

Zamat, H., see Lie, D.Y.C., *RFIC* 02 31-34
Zamdmer, N., see Fong, N., *RFIC* 02 75-78
Zampardi, P., see Sakalas, P., *MWSYM* 02 2117-2120 vol.3
Zarba, G., see Ludovico, M., *MWSYM* 02 2077-2080 vol.3
Zehentner, J., J. Machac, and J. Mrkvica. Novel selected modes on the conductor-backed slotline; *MWSYM* 02 961-964 vol.2
Zehentner, J., see Machac, J., *T-MTT Feb* 02 583-585
Zeid, A., and H. Baudrand. Electromagnetic scattering by metallic holes and its applications in microwave circuit design; *T-MTT Apr* 02 1198-1206
Zeisel, E., see Aparin, V., *RFIC* 02 129-132
Zelley, C., see Gould, P., *T-MTT Jan* 02 369-376
Zelley, C.A., see Bannister, D.C., *RFIC* 02 147-149
Zellweger, E., see Beffa, F., *MWSYM* 02 501-504 vol.1
Zellweger, E., see Beffa, F., *RFIC* 02 391-394
Zeng Xiang-yin, see Xiang-yin Zeng, *T-MTT May* 02 1417-1424
Zeng Xiang-Yin, see Xiang-Yin Zeng, *T-MTT Jun* 02 1636-1639
Zepparelli, F., see Roselli, L., *MWSYM* 02 1711-1714 vol.3
Zhan, R., see Feng, H., *MWSYM* 02 553-556 vol.1
Zhan, R., see Feng, H., *RFIC* 02 443-446
Zhang, L., see Yang, H.Y.D., *MWSYM* 02 601-604 vol.1
Zhang, L., see Yang, H.Y.D., *RFIC* 02 491-494
Zhang, Q.J., see Jianjun Xu, *MWSYM* 02 1101-1104 vol.2
Zhang, Q.J., see Devabhaktuni, V., *MWSYM* 02 1097-1100 vol.2
Zhang, Q.-J., see Xu, J., *T-MTT Dec* 02 2769-2780
Zhang, W.-K., Fan Jiang, C.W. Domier, and N.C. Luhmann, Jr. Quasi-optical E-band MEMS switching arrays; *MWSYM* 02 1531-1534 vol.3
Zhang, X., see Alexanian, A., *RFIC* 02 119-122
Zhang, Z., see Hsu, H.-T., *T-MTT Dec* 02 2971-2978
Zhang Gang, see Gang Zhang, *RFIC* 02 125-128
Zhang Hua, see Fetterman, H., *MWSYM* 02 1937-1940 vol.3
Zhang Jin, A. Tombak, J.-P. Maria, B. Boyette, G.T. Stauff, A.I. Kingon, and A. Mortazawi. Microwave characterization of thin film BST material using a simple measurement technique; *MWSYM* 02 1201-1204 vol.2
Zhang Jinlong, see Qiang Li, *MWSYM* 02 509-512 vol.1
Zhang Jinlong, see Qiang Li, *RFIC* 02 399-402
Zhang Jun, see Kuhn, W.B., *MWSYM* 02 301-305 vol.1
Zhang Jun, see Kuhn, W.B., *RFIC* 02 385-388
Zhang Liyang, see Liyang Zhang, *RFIC* 02 85-88
Zhang Shiming, see Jin Tang, *MWSYM* 02 179-182 vol.1
Zhang Shiming, see Jin Tang, *RFIC* 02 333-336
Zhang Shiming, see Jin Tang, *T-MTT Nov* 02 2467-2473
Zhang Yan, see Yan Zhang, *T-MTT Nov* 02 2519-2526
Zhang Zhenyu, see Heng-Tung Hsu, *MWSYM* 02 1445-1448 vol.3
Zhang Zhong Qing, see Qing Huo Liu, *T-MTT Jan* 02 123-133
Zhan Rouying, see Ke Gong, *T-MTT Jan* 02 393-402
Zhao, W., C. Schollhorn, and E. Kasper. Interface loss mechanism of millimeter-wave coplanar waveguides on silicon; *T-MTT Jan* 02 407-410
Zhao An-ping, see Changning Ma, *MWSYM* 02 2049-2052 vol.3
Zhao An Ping, see An Ping Zhao, *T-MTT Apr* 02 1156-1164
Zhao Lei, see Lei Zhao, *MWSYM* 02 897-900 vol.2
Zhao Yong-Jiu, see Yong-Jiu Zhao, *T-MTT Jul* 02 1844-1848
Zheng, E., see Lenoir, B., *MWSYM* 02 1923-1926 vol.3
Zhenghe Feng, see Yamashita, E., *T-MTT Mar* 02 1046-1055
Zheng-Hui Xue, see Yan Zhang, *T-MTT Nov* 02 2519-2526
Zhengqing Yun, see Iskander, M.F., *T-MTT Mar* 02 662-673
Zhenhai Shao, Wei Hong, and Hongwei Wu. A Z-transform-based absorbing boundary conditions for 3-D TLM-SCN method; *T-MTT Jan* 02 222-225
Zhenqiang Ma, see Mohammadi, S., *MWSYM* 02 289-292 vol.1
Zhenqiang Ma, see Mohammadi, S., *RFIC* 02 373-376
Zhenqiang Ma, S. Mohammadi, P. Bhattacharya, L.P.B. Katehi, S.A. Alterovitz, and G.E. Ponchak. A high-power and high-gain X-band Si/SiGe/Si heterojunction bipolar transistor; *T-MTT Apr* 02 1101-1108
Zhenrong Jin, see Jin Tang, *MWSYM* 02 179-182 vol.1
Zhenrong Jin, see Jin Tang, *RFIC* 02 333-336
Zhenrong Jin, see Jin Tang, *T-MTT Nov* 02 2467-2473
Zhenyu Zhang, see Heng-Tung Hsu, *MWSYM* 02 1445-1448 vol.3
Zhewang Ma, H. Suzuki, Y. Kobayashi, K. Satoh, S. Narahashi, and T. Nojima. A low-loss 5GHz bandpass filter using HTS coplanar waveguide quarter-wavelength resonators; *MWSYM* 02 1967-1970 vol.3
Zhiwei Xu, see Hyunchol Shin, *MWSYM* 02 477-480 vol.1
Zhiwei Xu, see Hyunchol Shin, *RFIC* 02 71-74
Zhiyuan Wu, see Spann, J., *MWSYM* 02 533-536 vol.1
Zhiyuan Wu, see Spann, J., *RFIC* 02 423-426
Zhizhang Chen, see Chenghao Yuan, *MWSYM* 02 1135-1138 vol.2
Zhizhang Chen, see Changning Ma, *MWSYM* 02 2049-2052 vol.3
Zhizhang Chen, see Chenghao Yuan, *T-MTT Oct* 02 2401-2405
Zhong Qing Zhang, see Qing Huo Liu, *T-MTT Jan* 02 123-133
Zhong Xiong Yong, see Yong Zhong Xiong, *T-MTT Apr* 02 1109-1113
Zhu Anding, see Anding Zhu, *MWSYM* 02 461-464 vol.1
Zhu Lei, see Lei Zhu, *T-MTT Feb* 02 549-557
Zhu Lei, see Lei Zhu, *T-MTT Apr* 02 1207-1215
Zhu Lei, see Lei Zhu, *T-MTT Aug* 02 1861-1869
Zhu Lei, see Lei Zhu, *T-MTT Oct* 02 2412-2413

Zhu Xiaowei, see Feng Xu, *MWSYM* 02 2057-2060 vol.3
Zhu Yu, see Yu Zhu, *T-MTT Aug* 02 1984-1989
Zhu Yu, see Yu Zhu, *T-MTT Oct* 02 2331-2338
Zimmermann, D.C., see Parker, D., *T-MTT Mar* 02 678-687
Zimmermann, D.C., see Parker, D., *T-MTT Mar* 02 688-698
Zirath, H., see Fager, C., *MWSYM* 02 131-134 vol.1
Zirath, H., see Sakalas, P., *MWSYM* 02 2117-2120 vol.3
Zirath, H., see Fager, C., *T-MTT Apr* 02 1224-1227
Zirath, H., see Angelov, L., *T-MTT Jun* 02 1480-1486
Zirath, H., see Fager, C., *T-MTT Dec* 02 2834-2842
Ziroff, A., see Megej, A., *MWSYM* 02 643-646 vol.2
Ziroff, A., see Megej, A., *T-MTT Dec* 02 3070-3076
Zuo Xu, see Hoton How, *T-MTT May* 02 1280-1288
Zwick, T., J. Haala, and W. Wiesbeck. A genetic algorithm for the evaluation of material parameters of compound multilayered structures; *T-MTT Apr* 02 1180-1187

SUBJECT INDEX

1/f noise

NMOS and PMOS transistors, 1/f noise and VCO design implications. *O. K.K.*, +, *RFIC* 02 59-62
 SiGe HBT, LF noise charactn. & modeling, low phase noise oscillator. *Bary, L.*, +, *RFIC* 02 359-362
 SiGe RF HBT technol., LF noise figs.-of-merit. *Jin Tang*, +, *MWSYM* 02 179-182 vol.1

A

Absorbing media

parallel line edge mode microstrip isolators, modeling/optim. *Aly, A.H.*, +, *MWSYM* 02 1479-1482 vol.3
 PML ABC errors in FEM, mesh compression. *Mitchell, A.*, +, *T-MTT May* 02 1297-1302
 transient EM problems in terms of collinear vector pot. *Georgieva, N.K.*, *T-MTT Aug* 02 1950-1959

Absorption; cf. Electromagnetic wave absorption

Access protocols; cf. Code division multiple access

Accreditation

microstrip tapered balun printed dipole ref., specific absorpt. rate meas. *Richard, M.*, +, *MWSYM* 02 1743-1746 vol.3

Accumulation layers

Si wafer, substr. loss, microstrip and CPW transm. lines. *Lederer, D.*, +, *MWSYM* 02 685-688 vol.2

Acoustic correlation

microwave BAW/SAW materials/devices/appls. *Weigel, R.*, +, *T-MTT Mar* 02 738-749

Acoustic correlation; cf. Surface acoustic wave correlation

Acoustic devices; cf. Acoustic filters; Acoustic microwave devices; Acoustic resonators; Bulk acoustic wave devices

Acoustic filters

BAW resonators/filters, appls. above 2 GHz. *Lakin, K.M.*, +, *MWSYM* 02 1487-1490 vol.3

Acoustic filters; cf. Acoustic resonator filters; Surface acoustic wave filters

Acoustic microwave devices

BAW resonators/filters, appls. above 2 GHz. *Lakin, K.M.*, +, *MWSYM* 02 1487-1490 vol.3

microwave BAW/SAW materials/devices/appls. *Weigel, R.*, +, *T-MTT Mar* 02 738-749

technol. develop./appls., milestones. *Sobol, H.*, +, *T-MTT Mar* 02 594-611

Acoustic noise

MEMS-based ccts. & phase shifters, phase noise anal. *Rebeiz, G.M.*, *T-MTT May* 02 1316-1323

Acoustic resonator filters

TFBAR filter, wireless commun. *Kim, K.W.*, +, *MWSYM* 02 1181-1184 vol.2

Acoustic resonators

BAW resonators/filters, appls. above 2 GHz. *Lakin, K.M.*, +, *MWSYM* 02 1487-1490 vol.3

- Acoustic resonators; cf.** Acoustic resonator filters; Surface acoustic wave resonators
- Acoustic signal processing; cf.** Acoustic correlation; Acousto-optical signal processing
- Acoustic transducers; cf.** Acoustoelectric transducers; Surface acoustic wave transducers
- Acoustoelectric devices; cf.** Acoustoelectric transducers
- Acoustoelectric transducers**
microwave BAW/SAW materials/devices/appls. *Weigel, R.*, +, *T-MTT Mar 02* 738-749
- Acousto-optical devices; cf.** Acousto-optical signal processing
- Acousto-optical signal processing**
AO freq.-depend. phase compensated opt. heterodyne tech. *Jemison, W.D.*, *T-MTT Jul 02* 1832-1843
- Active antenna arrays**
amplif. antenna array using patch-antenna coupler, design & meas. *Chih-Hung Tsai*, +, *T-MTT Aug 02* 1919-1926
CPW-based single-layer injection-locked act. antenna array. *Ip, K.H.Y.*, +, *T-MTT Feb 02* 481-486
electronically scanned phased array technol., theory and archits. *Parker, D.*, +, *T-MTT Mar 02* 678-687
freq. offset retrodirective array, 62/66 GHz, self steered monostatic 3 dB beamwidth. *Buchanan, N.B.*, +, *MWSYM 02* 315-318 vol.1
GaAs MESFET amps., act. antenna sub-array. *Paji, S.*, +, *MWSYM 02* 1527-1530 vol.3
integrated antenna array, transparent conductive thin film. *Oshima, K.*, +, *MWSYM 02* 1569-1572 vol.3
Ka-Band multiple-beam act. phased array antennas, highly integrated RF-modules. *Butz, J.*, +, *MWSYM 02* 61-64 vol.1
MM-wave spatial power combining, cct.-fed tile-approach config. *Gouker, M.A.*, +, *T-MTT Jan 02* 17-21
phased array antenna syst., IMD control. *Kaho, T.*, +, *MWSYM 02* 781-784 vol.2
phased-array technol., act. and pass., array implement., future trends. *Parker, D.*, +, *T-MTT Mar 02* 688-698
quasi-opt. amp. array, high-power Ka-band operation. *Ortiz, S.C.*, +, *T-MTT Feb 02* 487-494
quasi-opt. and spatial power combining, power amps., act. arrays. *DeLisio, M.P.*, +, *T-MTT Mar 02* 929-936
retrodirective array, electronic RCS modif. *Fusco, V.F.*, +, *T-MTT Jul 02* 1772-1778
review of act. integrated antenna technols. *Chang, K.*, +, *T-MTT Mar 02* 937-944
satellite commun., act. phased array antenna. *Soon Ik Jeon*, +, *MWSYM 02* 1341-1343 vol.2
satellite commun., X-band APAA syst., T/R module. *Young-Bae Jung*, +, *MWSYM 02* 1337-1340 vol.2
X-band integrated class-E oscillating annular ring element for high-efficiency transmitting arrays. *Hagerty, J.A.*, +, *MWSYM 02* 1317-1320 vol.2
- Active antennas**
AlGaIn/GaN HEMT power amp., act. integrated antenna. *Younkyu Chung*, +, *MWSYM 02* 433-436 vol.1
microstrip patch antennas, PLL control. *Andrews, J.W.*, +, *T-MTT Jan 02* 201-206
review of act. integrated antenna technols. *Chang, K.*, +, *T-MTT Mar 02* 937-944
- Active antennas; cf.** Active antenna arrays
- Active filters**
act. MMIC filter for on-chip X-band radar receiver front-ends. *Malmqvist, R.*, +, *MWSYM 02* 1907-1910 vol.3
filter synthesis technique applied to design of multistage broad-band microwave amplifiers. *Rooney, J.-P.*, +, *T-MTT Dec 02* 2947-2953
microwave planar act. filters in GaAs and SiGe technols. *Bazzi, H.*, +, *MWSYM 02* 421-424 vol.1
MMIC act. phase shifter struct., tunable all-pass filter. *Viveiros, D., Jr.*, +, *T-MTT Aug 02* 1885-1889
stable act. impedance inverter, anal. and appl. to bandpass filter design. *Young-Hoon Chun*, +, *MWSYM 02* 1911-1914 vol.3
- Active networks**
2002 International Microwave Symposium (special issue). *T-MTT Dec 02* 2660, 2679-3076
2002 International Microwave Symposium (special issue intro.). *Weisshaar, A.*, +, *T-MTT Dec 02* 2660-2663
distributed act. transformer, power-combining and imped. transform. tech., CMOS power amp. appl. *Aoki, I.*, +, *T-MTT Jan 02* 316-331
nonlin. microwave ccts., finite-element time-domain soln. using PMLs. *Hsiao-Ping Tsai*, +, *T-MTT Oct 02* 2226-2232
- Active networks; cf.** Active filters; Impedance converters; Negative resistance circuits; RC circuits
- Actuators; cf.** Microactuators
- Adaptive antenna arrays**
CDMA receiver, adaptive antenna array, LO phase noise. *Slade, G.W.*, *MWSYM 02* 1353-1356 vol.2
freq. autonomous retrodirective array transponder. *Leong, K.M.K.H.*, +, *MWSYM 02* 1349-1352 vol.2
IEEE microwave symposium, conf., Seattle, WA, USA (Jun 02). *MWSYM-02* 3 vol.(lxxxii+xxiii+xxv+2272)
multi-functional array for wireless sens. systs., reconfigurable phased array commun. *Miyamoto, R.Y.*, +, *MWSYM 02* 1369-1372 vol.2
perform. charactn. of FPGA techs. for calib. and beamforming in smart antenna appls. *Nuteson, T.W.*, +, *T-MTT Dec 02* 3043-3051
smart antenna receiver array using single RF channel and digital beamforming. *Fredrick, J.D.*, +, *MWSYM 02* 311-314 vol.1
smart antenna receiver array using single RF channel and digital beamforming. *Fredrick, J.D.*, +, *T-MTT Dec 02* 3052-3058
smart antennas, digital beamforming/calib. using real-time FPGA proc. *Nuteson, T.W.*, +, *MWSYM 02* 307-310 vol.1
smart antenna syst. implement. based on digital beam-forming and software radio technols. *Wu, J.*, +, *MWSYM 02* 323-326 vol.1
X-band on-chip radar receiver front-end for adaptive smart skin array antennas. *Malmqvist, R.*, +, *MWSYM 02* 1431-1434 vol.3
- Adaptive control**
feedforward amp. for WCDMA base stations with adaptive control method. *Young Yun Woo*, +, *MWSYM 02* 769-772 vol.2
- Adaptive decoding**
direct digital receiver, QPSK sig. decoding, learning algms. *Mireux, O.*, +, *MWSYM 02* 497-500 vol.1
- Adaptive filters**
coupled resonator filters with source/load-multiresonator coupling, adaptive synthesis. *Amari, S.*, +, *T-MTT Aug 02* 1969-1978
- Adaptive signal processing**
adaptive Volterra predistorter for RF high power amp. lin. in wireless commun. *Anding Zhu*, +, *MWSYM 02* 461-464 vol.1
RF power amp. lin., adaptive predistortion feedback path, anti-aliasing filter effects. *Weiyun Shan*, +, *MWSYM 02* 469-472 vol.1
W-CDMA base-station power amp. using adaptive digital predistort., syst. anal. *Potter, C.*, *MWSYM 02* 21-25 vol.1
- Adaptive systems; cf.** Adaptive filters
- Adjacent channel interference**
six-port direct digital receiver and std. direct receiver results for QPSK modulation at high speeds. *Schiel, J.-C.*, +, *MWSYM 02* 931-934 vol.2
- Aerospace instrumentation; cf.** Airborne radar; Space vehicle electronics
- Aging**
microwave syst. DSP, programmability/flexibility. *Asbeck, P.*, +, *T-MTT Mar 02* 900-909
- Airborne radar**
buried targets, microwave radar underground propag. and detect. appls. *Carin, L.*, +, *T-MTT Mar 02* 945-952
- Air gaps**
air gap transm. lines for mm-wave appls., high perform. *Inho Jeong*, +, *MWSYM 02* 661-664 vol.2
High-performance air-gap transmission lines and inductors for millimeter-wave applications. *Jeong, I.*, +, *T-MTT Dec 02* 2850-2855
- Air insulation; cf.** Air gaps
- Air pollution; cf.** Air pollution measurement
- Air pollution measurement**
bioparticle rem. detect. in THz region, differential absorpt. radar. *Brown, E.R.*, +, *MWSYM 02* 1591-1594 vol.3
- Algebra; cf.** Polynomials
- Algorithm theory; cf.** Computational complexity
- Alkali metal compounds; cf.** Lithium compounds
- All-pass filters**
filter synthesis technique applied to design of multistage broad-band microwave amplifiers. *Rooney, J.-P.*, +, *T-MTT Dec 02* 2947-2953
MMIC act. phase shifter struct., tunable all-pass filter. *Viveiros, D., Jr.*, +, *T-MTT Aug 02* 1885-1889
- Alumina**
high-K dielec., RF MIM capacitor. *Chen, S.B.*, +, *MWSYM 02* 201-204 vol.1
- Aluminum**
spiral inductor, SOI technol. *Kelly, D.*, +, *MWSYM 02* 541-543 vol.1
spiral inductors on insulating substs., perform. improvements. *Kelly, D.*, +, *RFIC 02* 431-433
- Aluminum compounds**
AlGaAs/GaAs HBTs, microwave noise sources, scatt. params. *Sakalas, P.*, +, *MWSYM 02* 2117-2120 vol.3
AlGaAs HMSM photodetector, reson. cavity, short haul commun. *Xiying Chen*, +, *MWSYM 02* 1281-1284 vol.2
AlGaAs/InGaAs/AlGaAs p-HEMT distrib. amp. MMICs, opt. modulator driver appl. *Virk, R.S.*, +, *MWSYM 02* 91-95 vol.1
AlGaAs/InGaAs doped-channel power FETs, low-k BCB bridged proc. *Hsien-Chin Chiu*, +, *MWSYM 02* 521-524 vol.1
AlGaAs/InGaAs/GaAs pHEMT power amps., Ka-band intercept point behavior. *Merkle, T.*, +, *MWSYM 02* 453-456 vol.1
AlGaAs/InGaAs high lin. power HFETs using low-k BCB bridged and passivated proc. *Hsien-Chin Chiu*, +, *RFIC 02* 411-414

- AlGaIn/GaN HEMT power amp., act. integrated antenna. *Younkyu Chung*, +, *MWSYM* 02 433-436 vol.1
- AlGaIn/GaN HEMTs, intrinsic noise charact. *Sungjae Lee*, +, *MWSYM* 02 1415-1418 vol.3
- AlGaIn/GaN HFET amp., RF charact. *Trew, R.J.*, *MWSYM* 02 1811-1814 vol.3
- AlGaIn/GaN microwave power HEMTs on 4" Si wafers, charact. *Manohar, S.*, +, *MWSYM* 02 449-452 vol.1
- AlGaIn/GaN power HEMTs, RF perform./thermal anal., self-heating effects. *Nuttinck, S.*, +, *MWSYM* 02 921-924 vol.2
- AlGaIn/GaN power HEMT using surface-charge-controlled struct., microwave appls. *Kikkawa, T.*, +, *MWSYM* 02 1815-1818 vol.3
- AlN HBT, Ku-band power amp., flip-chip mounting. *Vendier, O.*, +, *MWSYM* 02 1389-1392 vol.3
- Al_{0.5}Ga_{1-x}N/GaN HEMTs for microwave/RF control appls. *Drozdzowski, N.V.*, +, *T-MTT Jan* 02 4-8
- AlTiO_x high-K dielec., RF MIM capacitor. *Chen, S.B.*, +, *MWSYM* 02 201-204 vol.1
- GaN wide-bandgap microwave MESFETs, trapping effects. *Binari, S.C.*, +, *MWSYM* 02 1823-1826 vol.3
- Aluminum compounds; cf.** Alumina; Sapphire
- Amplifiers**
 characterization and modeling of bias dependent breakdown and self-heating in GaInP/GaAs power HBT to improve high power amplifier design. *Heckmann, S.*, +, *T-MTT Dec* 02 2811-2819
 prediction of IMD in LDMOS transistor amplifiers using new large-signal model. *Fager, C.*, +, *T-MTT Dec* 02 2834-2842
 simul./stabil. test accel. using symm. device. *Ramberger, S.*, +, *MWSYM* 02 967-970 vol.2
- Amplifiers; cf.** Current mirrors; DC amplifiers; Differential amplifiers; Distributed amplifiers; Feedback amplifiers; HF amplifiers; Intermediate-frequency amplifiers; Operational amplifiers; Optical fiber amplifiers; Power amplifiers; Preamplifiers; Radiofrequency amplifiers; Video amplifiers; Wideband amplifiers
- Amplitude modulation**
 carrier regeneration and reuse with gain compress. and feedforward SOAs. *Conforti, E.*, +, *T-MTT Jan* 02 77-81
 freq. offset retrodirective array, 62/66 GHz, self steered monostatic 3 dB beamwidth. *Buchanan, N.B.*, +, *MWSYM* 02 315-318 vol.1
 nonlin. power amp. modeling taking into account HF memory freq. *Launay, F.*, +, *MWSYM* 02 865-868 vol.2
 power-amplifier module with digital adaptive predistortion for cellular phones. *Kusunoki, S.*, +, *T-MTT Dec* 02 2979-2986
 two-tone meas. tech. for microwave power-amp. charactn. *Clark, C.J.*, +, *T-MTT Jun* 02 1590-1602
- Amplitude shift keying; cf.** Quadrature amplitude modulation
- Analog circuits**
 predistortion cct. design for 2nd- and 3rd-order lin. in laser-based radio-over-fiber systs. *Roselli, L.*, +, *MWSYM* 02 1711-1714 vol.3
- Analog circuits; cf.** Analog processing circuits
- Analog-digital conversion**
 delta-sigma data converters and use in wireless transceivers. *Galton, I.*, *T-MTT Jan* 02 302-315
 digital phased arrays, correl. of nonlin. distortion, meas. and mitigation. *Howard, L.C.*, +, *MWSYM* 02 49-52 vol.1
 GaAs 2-bit ADC ICs for radio astron. appls. *Okiura, M.*, +, *MWSYM* 02 485-488 vol.1
 GaAs p-HEMT MMIC 8 GHz transient sig. digitizer, charactn. *Ghis, A.*, +, *MWSYM* 02 1673-1676 vol.3
 microwave syst. DSP, programmability/flexibility. *Asbeck, P.*, +, *T-MTT Mar* 02 900-909
 smart antennas, digital beamforming/calib. using real-time FPGA proc. *Nuteson, T.W.*, +, *MWSYM* 02 307-310 vol.1
- Analog-digital conversion; cf.** Quantization (signal); Sigma-delta modulation
- Analog integrated circuits; cf.** BiCMOS analog integrated circuits; Bipolar analog integrated circuits; Field effect analog integrated circuits
- Analog processing circuits**
 image rejection/spurious rejection mixers using digital compensation, archit./algm. *Youngjin Kim*, +, *MWSYM* 02 799-802 vol.2
 SiGe 5-6 GHz act. subharmonic direct-conversion receiver front-end design. *Svitek, R.*, +, *MWSYM* 02 505-508 vol.1
- Anechoic chambers (electromagnetic)**
 smart antenna syst. implement. based on digital beam-forming and software radio technols. *Wu, J.*, +, *MWSYM* 02 323-326 vol.1
- Angle modulation**
 coupled-oscillator array, angle-based modulation. *Pogorzelski, R.J.*, *T-MTT Jan* 02 143-149
- Angle modulation; cf.** Frequency modulation; Phase modulation
- Anisotropic media**
 anisotropic rect. dielec. waveguides, Marcanti's method modif. for calc. *Dudorov, S.N.*, +, *T-MTT Jun* 02 1640-1642
 anisotropic stripline struct., printed apertures, dyn. model. *Lacava, J.C.D.S.*, +, *T-MTT Jan* 02 22-26
- complex tensorial permeab. of magnetized materials, automatic microwave meas. tech. *Queffelec, P.*, +, *T-MTT Sep* 02 2128-2134
- fully integrated broad-band amplifier MMIC employing novel chip-size package. *Yun, Y.*, +, *T-MTT Dec* 02 2930-2937
- lossy anisotropic waveguides, full-wave high-order FEM model, higher order interpolatory vector elements. *Savi, P.*, +, *T-MTT Feb* 02 495-500
- multiresolution time-domain scheme for microwave struct., multiple image tech., anisotropic perfectly matched layer. *Qunsheng Cao*, +, *T-MTT Jun* 02 1578-1589
- planar anisotropic layered printed struct., react. integrals in EFIE anal. *Mesa, F.*, +, *T-MTT Sep* 02 2142-2146
- Annealing; cf.** Rapid thermal annealing
- Antenna accessories**
 broadband T/R module for phased array appls. in wireless commun. *Chunlei Wang*, +, *MWSYM* 02 1325-1328 vol.2
 GaAs single-pole dual-throw antenna switch for GSM appl. *Numata, K.*, +, *RFIC* 02 141-144
 multilayer microstrip struct. piezoelec. transducer controlled phase shifter anal. *Tae-Yeoul Yun*, +, *T-MTT Jan* 02 105-111
 multilayer spatial ang. filter with air gap tuner for microstrip patch array grating lobes suppress. *Youngju Lee*, +, *MWSYM* 02 1329-1332 vol.2
- Antenna accessories; cf.** Antenna feeds
- Antenna arrays; cf.** Active antenna arrays; Adaptive antenna arrays; Antenna phased arrays; Antenna traveling wave arrays; Dipole antenna arrays; Linear antenna arrays; Microwave antenna arrays; Millimeter wave antenna arrays; Planar antenna arrays; Yagi antenna arrays
- Antenna feeds**
 amplif. antenna array using patch-antenna coupler, design & meas. *Chih-Hung Tsai*, +, *T-MTT Aug* 02 1919-1926
 broadband antenna integrated with RF MEMS switches for wireless commun. *Cetiner, B.A.*, +, *MWSYM* 02 1333-1336 vol.2
 GaAs MESFET amps., act. antenna sub-array. *Paji, S.*, +, *MWSYM* 02 1527-1530 vol.3
 Ka-band perp.-fed patch array, spatial power combining. *Ortiz, S.*, +, *MWSYM* 02 1519-1522 vol.3
 Ka-band printed dipole phased array antenna using microstrip-fed CPS tee jns. *Young-Ho Suh*, +, *MWSYM* 02 1321-1324 vol.2
 meanderless slot arrays on elec. thick substr. at MM-wave freqs. *Meide Qiu*, +, *T-MTT Feb* 02 517-528
 MM-wave spatial power combining, cct.-fed tile-approach config. *Gouker, M.A.*, +, *T-MTT Jan* 02 17-21
 MM-wave wide-scan spherical-lens antennas for automotive radars. *Schoenlinner, B.*, +, *T-MTT Sep* 02 2166-2175
 multiple-output photonic RF phase shifters for opt. controlled radar systs. *Fetterman, H.*, +, *MWSYM* 02 1937-1940 vol.3
 partially overlapped subarrays for MM-wave beam steerable antenna, planar implement. *Abbaspour-Tamijani, A.*, +, *MWSYM* 02 53-56 vol.1
 quasi-opt. amp. array, high-power Ka-band operation. *Ortiz, S.C.*, +, *T-MTT Feb* 02 487-494
 spatial power combiners, waveguide-based with hard horn feeds, array params. optim. *Ozkar, M.*, +, *MWSYM* 02 1301-1304 vol.2
- Antenna phased arrays**
 2N beams heterodyne opt. beamforming archit. based on NxN opt. Butler matrices. *Madrid, D.*, +, *MWSYM* 02 1945-1948 vol.3
 act. phased array antenna syst., IMD control. *Kaho, T.*, +, *MWSYM* 02 781-784 vol.2
 adaptive multi-functional array for wireless sens. systs., reconfigurable phased array commun. *Miyamoto, R.Y.*, +, *MWSYM* 02 1369-1372 vol.2
 AO freq.-depend. phase compensated opt. heterodyne tech. *Jemison, W.D.*, *T-MTT Jul* 02 1832-1843
 broadband T/R module for phased array appls. in wireless commun. *Chunlei Wang*, +, *MWSYM* 02 1325-1328 vol.2
 coupled oscillator arrays, locking range improvement. *Jinjin Shen*, +, *MWSYM* 02 1309-1312 vol.2
 CPW-based single-layer injection-locked act. antenna array. *Ip, K.H.Y.*, +, *T-MTT Feb* 02 481-486
 digital phased arrays, correl. of nonlin. distortion, meas. and mitigation. *Howard, L.C.*, +, *MWSYM* 02 49-52 vol.1
 electronically scanned phased array technol., theory and archits. *Parker, D.*, +, *T-MTT Mar* 02 678-687
 HEMT voltage controlled bi-directional amps. in support of component reuse for large aperture phase array. *Yang, J.M.*, +, *MWSYM* 02 65-68 vol.1
 IEEE microwave symposium, conf., Seattle, WA, USA (Jun 02). *MWSYM*-02 3 vol.(lxxxii+xxiii+xxv+2272)
 Ka-Band multiple-beam act. phased array antennas, highly integrated RF-modules. *Butz, J.*, +, *MWSYM* 02 61-64 vol.1
 Ka-band printed dipole phased array antenna using microstrip-fed CPS tee jns. *Young-Ho Suh*, +, *MWSYM* 02 1321-1324 vol.2
 microwave photonics, hist., current status & future prospects. *Seeds, A.J.*, *T-MTT Mar* 02 877-887
 multilayer microstrip struct. piezoelec. transducer controlled phase shifter anal. *Tae-Yeoul Yun*, +, *T-MTT Jan* 02 105-111

opt. controlled phased array antennas for wireless commun., flexible beamformer/remoting head. *Riza, N.A.*, +, *MWSYM 02 1941-1944* vol.3
 phased-array antenna transmit/receive modules, microwave fn., perform., cost. *Kopp, B.A.*, +, *T-MTT Mar 02 827-834*
 photonic true-time delay beamformer for broadband wireless access networks. *Vidal, B.*, +, *MWSYM 02 1949-1952* vol.3
 reconfigurable leaky-wave/patch microstrip aperture for phased-array appl. *Sor, J.*, +, *T-MTT Aug 02 1877-1884*
 satellite commun., act. phased array antenna. *Soon Ik Jeon*, +, *MWSYM 02 1341-1343* vol.2
 satellite commun., X-band APAA syst., T/R module. *Young-Bae Jung*, +, *MWSYM 02 1337-1340* vol.2
 smart antennas, digital beamforming/calib. using real-time FPGA proc. *Nuteson, T.W.*, +, *MWSYM 02 307-310* vol.1
 technol., act. and pass., array implement., future trends. *Parker, D.*, +, *T-MTT Mar 02 688-698*

Antenna radiation patterns

2N beams heterodyne opt. beamforming archit. based on NxN opt. Butler matrices. *Madrid, D.*, +, *MWSYM 02 1945-1948* vol.3
 act. phased array antenna syst., IMD control. *Kaho, T.*, +, *MWSYM 02 781-784* vol.2
 amplif. antenna array using patch-antenna coupler, design & meas. *Chih-Hung Tsai*, +, *T-MTT Aug 02 1919-1926*
 automotive radar, multibeam imaging antenna. *Schoenlinner, B.*, +, *MWSYM 02 1373-1376* vol.2
 broadband antenna integrated with RF MEMS switches for wireless commun. *Cetiner, B.A.*, +, *MWSYM 02 1333-1336* vol.2
 CPW-based single-layer injection-locked act. antenna array. *Ip, K.H.Y.*, +, *T-MTT Feb 02 481-486*
 electronically scanned phased array technol., theory and archits. *Parker, D.*, +, *T-MTT Mar 02 678-687*
 EME microstrip, leaky-mode array, dispersion charact. *Ching-Kuo Wu*, +, *MWSYM 02 1083-1086* vol.2
 GSM base-station antenna, human exposure eval., multiple-region/FDTD method. *Bernardi, P.*, +, *MWSYM 02 1747-1750* vol.3
 Ka-band printed dipole phased array antenna using microstrip-fed CPS tee jns. *Young-Ho Suh*, +, *MWSYM 02 1321-1324* vol.2
 K-band beam-steering quasi-Yagi array, mixing freq. compensation. *Nishio, T.*, +, *MWSYM 02 1345-1348* vol.2
 MM-wave spatial power combining, cct.-fed tile-approach config. *Gouker, M.A.*, +, *T-MTT Jan 02 17-21*
 MM-wave wide-scan spherical-lens antennas for automotive radars. *Schoenlinner, B.*, +, *T-MTT Sep 02 2166-2175*
 multibeam grating scanning antenna with appls. to low-cost MM-wave beam-steering. *Rodenbeck, C.T.*, +, *MWSYM 02 57-60* vol.1
 opt. controlled phased array antennas for wireless commun., flexible beamformer/remoting head. *Riza, N.A.*, +, *MWSYM 02 1941-1944* vol.3
 partially overlapped subarrays for MM-wave beam steerable antenna, planar implement. *Abbaspour-Tamijani, A.*, +, *MWSYM 02 53-56* vol.1
 radiobase antenna dosimetric problems, parallel FDTD tool. *Catarinucci, L.*, +, *MWSYM 02 1755-1758* vol.3
 reconfigurable leaky-wave/patch microstrip aperture for phased-array appl. *Sor, J.*, +, *T-MTT Aug 02 1877-1884*
 self-oscillating microstrip antennas, coupled EM/nonlin. optim. *Rizzoli, V.*, +, *MWSYM 02 123-126* vol.1
 smart antennas, digital beamforming/calib. using real-time FPGA proc. *Nuteson, T.W.*, +, *MWSYM 02 307-310* vol.1
 wireless microwave power transm., 5.8-GHz circ. polarized rectenna. *Strassner, B.*, +, *T-MTT Aug 02 1870-1876*
 X-band integrated class-E oscillating annular ring element for high-efficiency transmitting arrays. *Hagerty, J.A.*, +, *MWSYM 02 1317-1320* vol.2

Antennas

1999 International Microwave and Optoelectronics Conference (special issue). *T-MTT Jan 02 1-93*
 1999 International Microwave and Optoelectronics Conference (special issue intro.). *Hernandez-Figueroa, H.E.*, +, *T-MTT Jan 02 1-3*
 anal. and control of harmonic radiation from active integrated oscillator antennas. *Cryan, M.J.*, +, *T-MTT Nov 02 2639-2646*
 dyadic Green's fn. of multilayer cylindrical closed and sector structures for waveguide, microstrip-antenna, and network anal. *Thiel, M.*, +, *T-MTT Nov 02 2576-2579*

Antennas; cf. Active antennas; Antenna accessories; Antenna radiation patterns; Antenna testing; Antenna theory; Aperture antennas; Dielectric-loaded antennas; Dipole antennas; Directive antennas; Leaky wave antennas; Loop antennas; Microwave antennas; Millimeter wave antennas; Multibeam antennas; Multifrequency antennas; Radar antennas; Receiving antennas; Reflector antennas; Satellite antennas; Scanning antennas; Transmitting antennas; UHF antennas; Wire antennas

Antenna testing

beam shaping of radiowaves using holograms, CATR appl. *Meltaus, J.*, +, *MWSYM 02 1305-1308* vol.2

Antenna theory

2D photonic crystals excited by line source, phased-array method to determ. Green's fns. *Caloz, C.*, +, *T-MTT May 02 1380-1391*
 3D multilayer microstrip antennas and ccts., EM modeling. *Feng Ling*, +, *T-MTT Jun 02 1628-1635*
 adjoint sensitivity tech. for EM design optim., Yagi-Uda array and rect. patch antenna. *Georgieva, N.K.*, +, *MWSYM 02 971-974* vol.2
 electronically scanned phased array technol., theory and archits. *Parker, D.*, +, *T-MTT Mar 02 678-687*
 lumped element FDTD model, packaging effects. *Boon Ping Koh*, +, *MWSYM 02 1139-1142* vol.2
 microstrip line/patch structs., surface wave propag., FDTD method. *Semouchkina, E.*, +, *MWSYM 02 1127-1130* vol.2
 multilayered aperture-coupled patch antenna, 3D EM problems full-wave anal. *Lei Yin*, +, *T-MTT Aug 02 2011-2017*
 mutual coupling between discontinuities in planar ccts. *Van Thielen, B.L.A.*, +, *T-MTT Jan 02 155-164*
 open struct., guided modes, complex effective dielec. const. *Xiang-yin Zeng*, +, *T-MTT May 02 1417-1424*
 open structs., freq. parameterization, modal decomp. tech. *Adane, Y.*, +, *MWSYM 02 2017-2020* vol.3
 patch antennas using microstrip disk resonators with stubs, theoretical study. *Dmitriev, V.A.*, +, *T-MTT Jan 02 27-29*
 self-oscillating microstrip antennas, coupled EM/nonlin. optim. *Rizzoli, V.*, +, *MWSYM 02 123-126* vol.1
 thin-wire model, FDTD method. *Makinen, R.M.*, +, *T-MTT May 02 1245-1255*
 transverse slot in NRD-guide operating in LSE₀₀ mode, radiation and leakage characts. *Xiang-Yin Zeng*, +, *T-MTT Jun 02 1636-1639*

Antenna traveling wave arrays

num. anal. of traveling-wave photodetectors' bandwidth using FDTD method. *Soon-Cheol Kong*, +, *T-MTT Nov 02 2589-2597*

Antialiasing

RF power amp. lin., adaptive predistortion feedback path, anti-aliasing filter effects. *Weiyun Shan*, +, *MWSYM 02 469-472* vol.1
 vector meas. of filter using power detector, RF and baseband sig. paths. *Vasudev, N.*, +, *T-MTT Sep 02 2083-2089*

Aperture antennas

reconfigurable leaky-wave/patch microstrip aperture for phased-array appl. *Sor, J.*, +, *T-MTT Aug 02 1877-1884*

Application specific integrated circuits

integrated power transistor in 0.18- m CMOS technology for RF system-on-chip applications. *Hsu, H.-M.*, +, *T-MTT Dec 02 2873-2881*
 MSM5100 cdma2000+AMPS+gpsOne+Bluetooth multimode ASIC, 3G handset. *Butler, B.K.*, +, *RFIC 02 186A-186F*
 telecom front-ends, syst.-level architectural design, modeling and anal. *Gielen, G.G.E.*, *T-MTT Jan 02 360-368*

Application specific integrated circuits; cf. Mixed analog-digital integrated circuits

Approximation theory; cf. Least squares approximations; Mean square error methods; Polynomial approximation

Arrays

2D photonic crystals excited by line source, phased-array method to determ. Green's fns. *Caloz, C.*, +, *T-MTT May 02 1380-1391*
 coupled-oscillator array, angle-based modulation. *Pogorzelski, R.J.*, *T-MTT Jan 02 143-149*
 coupled oscillator arrays, locking range improvement. *Jinjin Shen*, +, *MWSYM 02 1309-1312* vol.2
 global coupled EM-electrical-thermal simulation and experimental validation for spatial power combining MMIC array. *Batty, W.*, +, *T-MTT Dec 02 2820-2833*
 power-combining grid oscillator arrays, freq. stabilization. *Wenzhang Wang*, +, *T-MTT May 02 1400-1407*
 SiGe bipolar transimpedance amp. array for 12 parallel 10 Gb/s opt. fiber links. *Schild, A.*, +, *RFIC 02 89-92*
 spatial power combiners, waveguide-based with hard horn feeds, array params. optim. *Ozkar, M.*, +, *MWSYM 02 1301-1304* vol.2
 spatial power combining MMIC array, global coupled EM-elec.-thermal simul. *Batty, W.*, +, *MWSYM 02 2177-2180* vol.3
 tile-based spatial power-combining array power amp., bandwidth improve. *Ai-Zayed, A.*, +, *MWSYM 02 1313-1316* vol.2

Arrays; cf. Ball grid arrays; Optical arrays

Array signal processing

AO freq.-depend. phase compensated opt. heterodyne tech. *Jemison, W.D.*, *T-MTT Jul 02 1832-1843*
 broadband wireless commun., bal. adaptive beamforming syst. *Seong-Sik Jeon*, +, *MWSYM 02 1357-1360* vol.2
 digital phased arrays, correl. of nonlin. distortion, meas. and mitigation. *Howard, L.C.*, +, *MWSYM 02 49-52* vol.1
 microwave photonics, hist., current status & future prospects. *Seeds, A.J.*, *T-MTT Mar 02 877-887*
 multibeam commun. satellite, beamforming matrix module. *Kornrumpf, W.*, +, *MWSYM 02 319-322* vol.1

- perform. charactn. of FPGA techs. for calib. and beamforming in smart antenna appls. *Nuteson, T.W.*, +, *T-MTT Dec 02* 3043-3051
- receiving-mode multibeam antenna array, opt. BFN. *Shibata, O.*, +, *T-MTT May 02* 1425-1430
- smart antenna receiver array using single RF channel and digital beamforming. *Fredrick, J.D.*, +, *MWSYM 02* 311-314 vol.1
- smart antenna receiver array using single RF channel and digital beamforming. *Fredrick, J.D.*, +, *T-MTT Dec 02* 3052-3058
- smart antenna syst. implement. based on digital beam-forming and software radio technols. *Wu, J.*, +, *MWSYM 02* 323-326 vol.1
- Arsenic compounds**; cf. Gallium arsenide
- Artificial intelligence**; cf. Knowledge based systems; Learning (artificial intelligence); Uncertainty handling
- Assembling**; cf. Microassembly
- Astronomical instruments**
- MM-wave polarimeter, calib., dielec. sheet. *O'Dell, C.W.*, +, *T-MTT Sep 02* 2135-2141
- Astronomical polarimetry**
- MM-wave polarimeter, calib., dielec. sheet. *O'Dell, C.W.*, +, *T-MTT Sep 02* 2135-2141
- Astronomical techniques**; cf. Radioastronomical techniques
- Astronomical telescopes**; cf. Radiotelescopes
- Asynchronous circuits**
- asynchronous struct. freq. divider for dual-modulus prescaler, 14.5 GHz, 0.35 μ m. *Tournier, E.*, +, *RFIC 02* 227-230
- Atmospheric electromagnetic wave propagation**; cf. Tropospheric electromagnetic wave propagation
- Atmospheric precipitation**; cf. Rain
- Atomic layer epitaxial growth**
- RF MEMS, at. layer deposition technol., long-term reliab. failures. *Hoivik, N.*, +, *MWSYM 02* 1229-1232 vol.2
- Attenuators**
- broadband wireless commun., bal. adaptive beamforming syst. *Seong-Sik Jeon*, +, *MWSYM 02* 1357-1360 vol.2
- GaAs MESFET digital attenuator MMIC, excess inductance extraction. *Choi, S.C.*, +, *MWSYM 02* 2249-2252 vol.3
- phased-array antenna transmit/receive modules, microwave fn., perform., cost. *Kopp, B.A.*, +, *T-MTT Mar 02* 827-834
- Attenuators**; cf. Waveguide attenuators
- Automated highways**
- integrated automotive sens., radar and IR, IVHS. *Russell, M.E.*, +, *T-MTT Mar 02* 674-677
- Automatic gain control**
- CMOS transmit/receive IF chip-set for WCDMA mobiles. *Dasgupta, U.*, +, *RFIC 02* 195-198
- step gain differential LNA with impedance unchanged in gain control. *Tanabe, M.*, +, *RFIC 02* 209-212
- Automatic meter reading**
- fixed wireless utility network, low-IF receiver, dyn. range. *Thumaty, S.*, +, *MWSYM 02* 935-938 vol.2
- Automatic test equipment**
- 3G power amp. charactn., complex behavior test bed. *Boumaiza, S.*, +, *MWSYM 02* 2241-2244 vol.3
- Automation**; cf. Telecommunication control
- Automobiles**
- integrated automotive sens., radar and IR, IVHS. *Russell, M.E.*, +, *T-MTT Mar 02* 674-677
- Avalanche breakdown**
- SiGe HBT, RF power amp., max. operating region. *Inoue, A.*, +, *MWSYM 02* 1023-1026 vol.2
- Avalanche diodes**; cf. IMPATT diodes
- Awards**
- IEEE Microwave Theory and Techniques Society (MTT-S) presents 2002 MTT-S awards to C. Jackson and R. Trew. *Staecker, P.W.*, *T-MTT Dec 02* 2671-2678
- B**
- Ball grid arrays**
- 3D integrated LTCC module, BGA technol., C-band RF front-end module, WLAN. *Pinel, S.*, +, *MWSYM 02* 1553-1556 vol.3
- Ku-band low-loss stripline low-pass filter for LTCC modules, low-impedance lines. *Ohwada, T.*, +, *MWSYM 02* 1617-1620 vol.3
- LTCC integrated tri-band direct conversion receiver front-end module. *Lucero, R.*, +, *MWSYM 02* 1545-1548 vol.3
- LTCC L-band mixer, image rejection. *Passiopoulos, G.*, +, *MWSYM 02* 249-252 vol.1
- MSM5100 cdma2000+AMPS+gpsOne+Bluetooth multimode ASIC, 3G handset. *Butler, B.K.*, +, *RFIC 02* 186A-186F
- Baluns**
- broadband 3D vert. balun and X-band four-way Wilkinson divider, develop./perform. *Darwish, A.*, +, *MWSYM 02* 109-112 vol.1
- broadband push-pull power amp. MMIC operating at K/Ka-band freqs. *Schellenberg, J.M.*, *MWSYM 02* 909-912 vol.2
- chip-type MLC balun fabricated by LTCC technol. *Ching-Wen Tang*, +, *MWSYM 02* 2201-2204 vol.3
- conversion into broadband impedance-transforming 180 hybrids. *Kian Sen Ang*, +, *T-MTT Aug 02* 1990-1995
- DCS 1800 base station receiver integrated in 0.25 μ m CMOS. *Boric-Lubecke, O.*, +, *MWSYM 02* 1049-1052 vol.2
- dual-band balun and divider, design method. *Jung-Hyun Sung*, +, *MWSYM 02* 1177-1180 vol.2
- lattice-type LC-baluns, lumped and distributed types. *Bakalski, W.*, +, *MWSYM 02* 209-212 vol.1
- multi-layer transformer balun for Si RFIC, LNA appl. *Yang, H.Y.D.*, +, *RFIC 02* 491-494
- PHEMT MMIC upconverter, ESM appl. *Devlin, L.M.*, +, *MWSYM 02* 257-261 vol.1
- planar Marchand balun, capacitively-compensated, anal./design. *Ng, C.Y.*, +, *MWSYM 02* 113-116 vol.1
- planar microwave baluns with three symmetric coupled lines, low-loss, anal./design. *Jong-Wook Lee*, +, *MWSYM 02* 117-121 vol.1
- SiGe 20-GHz VCO and freq. divider, varactor-tuned LC-type oscillator, radar transmitter. *Ettinger, K.*, +, *MWSYM 02* 835-838 vol.2
- Si RFIC, multi-layer transformer balun. *Yang, H.Y.D.*, +, *MWSYM 02* 601-604 vol.1
- three-port balun, symm. four-port network. *Yoke Choy Leong*, +, *MWSYM 02* 1165-1168 vol.2
- wireless microwave power transm., 5.8-GHz circ. polarized rectenna. *Strassner, B.*, +, *T-MTT Aug 02* 1870-1876
- Bandlimited communication**
- Kahn EER tech., out-of-band emissions of digital transms. *Rudolph, D.*, *T-MTT Aug 02* 1979-1983
- Band-pass filters**
- 3D integrated LTCC module, BGA technol., C-band RF front-end module, WLAN. *Pinel, S.*, +, *MWSYM 02* 1553-1556 vol.3
- 60-GHz-band dielec. waveguide filters with cross-coupling for flip-chip modules. *Ito, M.*, +, *MWSYM 02* 1789-1792 vol.3
- band-pass filtering power amp., dividing/filtering fn. integrat. *Avrillon, S.*, +, *MWSYM 02* 1173-1176 vol.2
- broadband integrated LTCC front-end module, IEEE 802.11a WLAN appls. *Lee, C.-H.*, +, *MWSYM 02* 1045-1048 vol.2
- broadband TEM-mode planar-rect. dielec. waveguide bandpass filter. *Kundu, A.C.*, *MWSYM 02* 381-384 vol.1
- circ.-disk resonator, bandpass filter, input coupling struct. *Yeo, K.S.K.*, +, *T-MTT Apr 02* 1230-1232
- coaxial-line bandpass filter, saucer-loaded stepped-impedance resonator. *Uchida, H.*, +, *MWSYM 02* 1785-1787 vol.3
- corrections to "Accurate circuit model of interdigital capacitor and its application to design of new quasi-lumped miniaturized filters with suppression of harmonic resonance" (Mar 00 347-356). *Lei Zhu*, +, *T-MTT Oct 02* 2412-2413
- coupled Pade approx.-FEM appl. to microwave device design. *Thon, B.*, +, *MWSYM 02* 1889-1892 vol.3
- coupled resonator filters with source/load-multiresonator coupling, adaptive synthesis. *Amari, S.*, +, *T-MTT Aug 02* 1969-1978
- coupling schemes for microwave resonator filters. *Rosenberg, U.*, +, *MWSYM 02* 1605-1608 vol.3
- CPS resonator modeling, CPS-microstrip transit., bandpass filter appl. *Young-Ho Suh*, +, *T-MTT May 02* 1289-1296
- cross-coupled filters, cascade synthesis theory, complex transm. zeros. *Yildirim, N.*, +, *T-MTT Jun 02* 1536-1543
- DC-blocking parallel-cascaded cymbal bandpass filter. *Strassner, B.*, +, *T-MTT May 02* 1431-1432
- dielec. resonator filter and duplexer, TM₁₁ mode. *Enokihara, A.*, +, *MWSYM 02* 1781-1784 vol.3
- dual-mode quasi-ellipt.-fn. bandpass filters, ring resonators, enhanced-coupling. *Lung-Hwa Hsieh*, +, *T-MTT May 02* 1340-1345
- elec.-mag.-elec. slow-wave microstrip line/bandpass filter. *Ching-Kuo Wu*, +, *T-MTT Aug 02* 1996-2004
- engraved NRD guide for mm-wave ICs, design considerations. *Cassivi, Y.*, +, *T-MTT Jan 02* 165-171
- evanescent-mode ridged waveguide bandpass filters, improved perform. *Kirilenko, A.*, +, *T-MTT May 02* 1324-1327
- fabrication of MOD-derived YBCO films on (001)LaAlO₃ and their application to $\lambda/4$ CPW SIR BPFs. *Sanada, A.*, +, *T-MTT Dec 02* 2856-2861
- folded dual-mode HTS microstrip resonator/band pass filter. *Raihn, K.F.*, +, *MWSYM 02* 1959-1962 vol.3
- interdigital filters, optim. by CAD applying coupling ident. method. *Saboureau, C.*, +, *MWSYM 02* 2089-2092 vol.3
- interdigital hairpin bandpass filter, design using model of coupled slots. *Deleniv, A.N.*, +, *T-MTT Sep 02* 2153-2158
- microstrip coupled-line bandpass filter using defected ground struct. with wide stopband perform. *Jun-Seok Park*, +, *T-MTT Sep 02* 2037-2043

- microwave filters, computer-aided tuning using fuzzy logic. *Miraftab, V.*, +, *MWSYM* 02 1117-1120 vol.2
- multilayer and anisotropic planar compact PBG struct. for microstrip appls. *Caloz, C.*, +, *T-MTT Sep* 02 2206-2208
- narrow-band band-pass microstrip filters with zig-zag hairpin-comb resonators. *Matthaei, G.L.*, *MWSYM* 02 1931-1934 vol.3
- narrow band waveguide filter CAD, EM segmentation method. *Barian, D.*, +, *MWSYM* 02 979-982 vol.2
- nonuniform transm. lines, wide-band equal-ripple filters. *Da-Chiang Chang*, +, *T-MTT Apr* 02 1114-1119
- novel coupling schemes for microwave resonator filters. *Rosenberg, U.*, +, *T-MTT Dec* 02 2896-2902
- parameter extraction for symmetric coupled-resonator filters. *Hsu, H.-T.*, +, *T-MTT Dec* 02 2971-2978
- rect. waveguide stepped-impedance resonator filters, stopband perform. *Morelli, M.*, +, *T-MTT Jul* 02 1657-1664
- reentrant wide-band directional filter, TW reson., matched filter appls. *Petrovich Gorbachev, A.*, *T-MTT Aug* 02 2028-2031
- Si planar waveguide filter at 45 GHz based on periodic struct., design and fab. *Lenoir, B.*, +, *MWSYM* 02 1923-1926 vol.3
- slow-wave bandpass filters, ring and stepped-impedance hairpin resonators. *Lung-Hwa Hsieh*, +, *T-MTT Jul* 02 1795-1800
- smart antennas, digital beamforming/calib. using real-time FPGA proc. *Nuteson, T.W.*, +, *MWSYM* 02 307-310 vol.1
- spiral inductor resonator filter design and optim. *Gye-An Lee*, +, *MWSYM* 02 1621-1624 vol.3
- 1/4 stepped-impedance resonator bandpass filter fab. on CPW. *Sanada, A.*, +, *MWSYM* 02 385-388 vol.1
- SrTiO₃ disk resonator, narrow-band tunable band-pass filter. *Deleniv, A.*, +, *MWSYM* 02 1197-1200 vol.2
- stable act. impedance inverter, anal. and appl. to bandpass filter design. *Young-Hoon Chun*, +, *MWSYM* 02 1911-1914 vol.3
- stepped cavity resonator with optimized spurious perform. and appls. to BPFs. *Konno, K.*, +, *MWSYM* 02 389-392 vol.1
- stepped impedance resonator bandpass filters, tunable transm. zeros. *Jen-Tsai Kuo*, +, *MWSYM* 02 1613-1616 vol.3
- stripline tapped-in ridge waveguide bandpass filter, full-wave optim. *El Sabbagh, M.A.*, +, *MWSYM* 02 1805-1808 vol.3
- suspended resonators for filters-reduced g excitation of evanescent cavities using high dielectric constant feedlines. *Snyder, R.V.*, +, *T-MTT Dec* 02 2890-2895
- suspen. resonators for filters, excitation of evanescent cavities using high dielec. const. feedlines. *Snyder, R.V.*, +, *MWSYM* 02 1597-1600 vol.3
- TE₁₀ rect.-waveguide-type resonators, bandpass filter appls. *Hee Yong Hwang*, +, *T-MTT Jul* 02 1821-1831
- TFBAR filter, wireless commun. *Kim, K.W.*, +, *MWSYM* 02 1181-1184 vol.2
- tunable microwave ccts., piezoelec.-transducer-controlled. *Tae-Yeoul Yun*, +, *T-MTT May* 02 1303-1310
- ultra-selective 22-pole 10-transmission zero superconducting bandpass filter surpasses 50-pole Chebyshev filter. *Tsuzuki, G.*, +, *T-MTT Dec* 02 2924-2929
- wide-band electronically tunable combine filter design. *Torregrosa-Penalva, G.*, +, *T-MTT Jan* 02 172-177
- X-band microstrip bandpass filter using photoimageable thick-film materials. *Ng, C.Y.*, +, *MWSYM* 02 2209-2212 vol.3
- YBaCuO low-loss 5GHz bandpass filter using HTS CPW qtr.-wavelength resonators. *Zhewang Ma*, +, *MWSYM* 02 1967-1970 vol.3
- YBaCuO supercond. bandpass filter, Chebyshev rejection, 3G/4G wireless appl. *Tsuzuki, G.*, +, *MWSYM* 02 1963-1966 vol.3
- Band-stop filters**
- circ. polarized rectifying antenna array, wireless microwave power transm. *Strassner, B.*, +, *MWSYM* 02 1535-1538 vol.3
- dual-freq. printed dipole rectenna, wireless power transm. *Young-Ho Suh*, +, *T-MTT Jul* 02 1784-1789
- EM-based cct.optim. exploiting partial space mapping and exact sensitivities. *Bandler, J.W.*, +, *MWSYM* 02 2101-2104 vol.3
- HTS microstrip cct. design, shunt capacitor approx., bandstop filter. *Shen Ye*, *MWSYM* 02 1979-1982 vol.3
- reentrant wide-band directional filter, TW reson., matched filter appls. *Petrovich Gorbachev, A.*, *T-MTT Aug* 02 2028-2031
- uniplanar MICs, monolithic and hybrid, finite-ground CPW reactive series-connected elements. *Lei Zhu*, +, *T-MTT Feb* 02 549-557
- Band-stop filters; cf.** Notch filters
- Bandwidth allocation**
- analytical small-signal bias-dependent nonuniform model for p-i-n traveling-wave photodetectors. *Torrese, G.*, +, *T-MTT Nov* 02 2553-2557
- Barium compounds**
- BaSrTiO₃ high-isolation MEMS capacitive switches for K-/Ka-band appls. *Yu Liu*, +, *MWSYM* 02 227-230 vol.1
- BaSrTiO₃/sapphire refl.-type phase shifter, monolithic, using CPW Lange coupler. *Dongsu Kim*, +, *MWSYM* 02 1471-1474 vol.3
- (Ba,Sr)TiO₃ thin film, parallel plate capacitor, microwave meas. *Zhang Jin*, +, *MWSYM* 02 1201-1204 vol.2
- BaSrTiO₃ thin film parallel plate capacitors for X-band phase shifter appl. *Acikel, B.*, +, *MWSYM* 02 1467-1469 vol.3
- YBaCuO HTSC microwave filters, tuning by laser trimming. *Parker, N.J.*, +, *MWSYM* 02 1971-1974 vol.3
- YBaCuO low-loss 5GHz bandpass filter using HTS CPW qtr.-wavelength resonators. *Zhewang Ma*, +, *MWSYM* 02 1967-1970 vol.3
- YBaCuO supercond. bandpass filter, Chebyshev rejection, 3G/4G wireless appl. *Tsuzuki, G.*, +, *MWSYM* 02 1963-1966 vol.3
- Beam steering**
- AO freq.-depend. phase compensated opt. heterodyne tech. *Jemison, W.D.*, *T-MTT Jul* 02 1832-1843
- CDMA receiver, adaptive antenna array, LO phase noise. *Slade, G.W.*, *MWSYM* 02 1353-1356 vol.2
- coupled oscillator arrays, locking range improvement. *Jinjin Shen*, +, *MWSYM* 02 1309-1312 vol.2
- Ka-band printed dipole phased array antenna using microstrip-fed CPS tee jns. *Young-Ho Suh*, +, *MWSYM* 02 1321-1324 vol.2
- Ka band waveguide using EM cryst. sidewalls. *Higgins, J.A.*, +, *MWSYM* 02 1071-1074 vol.2
- K-band beam-steering quasi-Yagi array, mixing freq. compensation. *Nishio, T.*, +, *MWSYM* 02 1345-1348 vol.2
- multibeam grating scanning antenna with appls. to low-cost MM-wave beam-steering. *Rodenbeck, C.T.*, +, *MWSYM* 02 57-60 vol.1
- nonreciprocal remanence ferrite phase shifter in grooved waveguide. *Wenquan Che*, +, *T-MTT Aug* 02 1912-1918
- partially overlapped subarrays for MM-wave beam steerable antenna, planar implement. *Abbaspour-Tamijani, A.*, +, *MWSYM* 02 53-56 vol.1
- phased-array antenna transmit/receive modules, microwave fn., perform., cost. *Kopp, B.A.*, +, *T-MTT Mar* 02 827-834
- satellite commun., act. phased array antenna. *Soon Ik Jeon*, +, *MWSYM* 02 1341-1343 vol.2
- tunable microwave ccts., piezoelec.-transducer-controlled. *Tae-Yeoul Yun*, +, *T-MTT May* 02 1303-1310
- Belief networks**
- direct digital receiver, QPSK sig. decoding, learning algms. *Mireux, O.*, +, *MWSYM* 02 497-500 vol.1
- Bessel functions**
- microstrip single-layer and multilayer struct., closed-form Green's fns. *Yuehe Ge*, +, *T-MTT Jun* 02 1556-1560
- BiCMOS analog integrated circuits**
- 3G UMTS/WCDMA handset RF subsyst., BiCMOS chipset. *Brunel, D.*, +, *RFIC* 02 191-194
- 75 GHz BiCMOS UMTS zero-IF receiver, analog baseband chain. *Schelmbauer, W.*, +, *MWSYM* 02 13-16 vol.1
- GSM/PCN dual band variable gain low noise RF down conversion mixer. *Bonkee Kim*, +, *RFIC* 02 137-140
- LDMOS short channel technol., RF power amp. *Litwin, A.*, +, *RFIC* 02 289-292
- microwave planar act. filters in GaAs and SiGe technols. *Bazzi, H.*, +, *MWSYM* 02 421-424 vol.1
- RFIC pass. devices develop., VCO simul., cct. perform. *Coolbaugh, D.*, +, *RFIC* 02 341-344
- SiGe BiCMOS LNA, high lin., wide bandwidth, WLAN appl. *Sadowy, J.*, +, *RFIC* 02 217-220
- SiGe BiCMOS LNA & mixer, high lin., cellular CDMA/AMPS appl. *Aparin, V.*, +, *RFIC* 02 129-132
- SiGe BiCMOS octave tunable RC-ring oscillator for fiber optic transceivers. *Sanduleanu, M.A.T.*, +, *RFIC* 02 435-438
- SiGe BiCMOS RC-ring oscillator, fiber optic transceiver. *Sanduleanu, M.A.T.*, +, *MWSYM* 02 545-548 vol.1
- SiGe BiCMOS technol., UMTS zero-IF receiver. *Schelmbauer, W.*, +, *RFIC* 02 267-270
- SiGe LNA, 2.1 GHz, simul.-based automatic synthesis. *Gang Zhang*, +, *RFIC* 02 125-128
- BiCMOS digital integrated circuits**
- BiCMOS dual-modulus prescaler, ECL-based ccts., low supply voltage. *Dulger, F.*, +, *RFIC* 02 177-180
- SiGe COM2 enhanced graded base BiCMOS technol., high speed appls. *Ivanov, T.*, +, *RFIC* 02 337-340
- BiCMOS integrated circuits**
- BiCMOS ICs, high perform. in 0.18 mproc. for wireless appls. *Peihua Ye*, +, *MWSYM* 02 175-178 vol.1
- E911 GPS receiver, highly integrated, BiCMOS chip. *Wilz, L.*, +, *RFIC* 02 115-118
- GSM 900/DCS 1800 fractional-N modulator with two-point-modulation. *Neurauter, B.*, +, *MWSYM* 02 425-428 vol.1
- short channel LDMOS technol., BiCMOS compatible for MV RF and power appls. *Litwin, A.*, +, *MWSYM* 02 35-38 vol.1
- Si BiCMOS receivers for normal and micro GSM900 and DCS 1800 base stations. *Gould, P.*, +, *T-MTT Jan* 02 369-376
- SiGe BiCMOS direct-conversion W-CDMA front-end receiver chip. *Lie, D.Y.C.*, +, *RFIC* 02 31-34

- SiGe BiCMOS MM-wave IC, monolithic inductor. *Dubuc, D.*, +, *MWSYM* 02 193-196 vol.1
- SiGe BiCMOS proc. for wireless appls., 0.18 μ m, mixed sig. ccts. *Peihua Ye*, +, *RFIC* 02 329-332
- SiGe BiCMOS proc. technol. and impact on RFIC design. *Das, A.*, +, *MWSYM* 02 171-174 vol.1
- SiGe BiCMOS proc. technol., RFIC design, LNA design. *Das, A.*, +, *RFIC* 02 325-328
- SiGe BiCMOS quadrature LC VCO, 1.8 V 6/9 GHz switchable dual-band design. *Hyunchol Shin*, +, *RFIC* 02 71-74
- SiGe BiCMOS technol. for X-band/LMDS microwave appls. *Subbanna, S.*, +, *MWSYM* 02 401-404 vol.1
- SiGe BiCMOS transmitter IC, CDMA wireless handset. *Reddy, M.*, +, *RFIC* 02 35-38
- SiGe BiCMOS TX-IC, W-CDMA mobile terminal. *Joba, H.*, +, *RFIC* 02 27-30
- SiGe COM2 enhanced graded base modular BiCMOS technol. for high speed appls. *Ivanov, T.*, +, *MWSYM* 02 183-186 vol.1
- Si RF integrat., develop. of technols. and design techs. *Sevenhans, J.*, +, *T-MTT Jan* 02 235-244
- BiCMOS integrated circuits; cf.** BiCMOS analog integrated circuits; BiCMOS digital integrated circuits
- Bifurcation**
variable order analog freq. divider design, nonlin. dyn. concepts. *Ramirez, F.*, +, *MWSYM* 02 127-130 vol.1
- Billinear systems**
generalized reaction and unrestricted variational formulation of cavity resonators - part I, basic theory. *Shams-Zadeh-Amiri, A.M.*, +, *T-MTT Nov* 02 2480-2490
generalized reaction and unrestricted variational formulation of cavity resonators - part II, nonorthogonal and free-boundary mode-matching method. *Shams-Zadeh-Amiri, A.M.*, +, *T-MTT Nov* 02 2491-2498
- BiMOS integrated circuits; cf.** BiCMOS integrated circuits
- Biochemistry**
bioparticle rem. detect. in THz region, differential absorpt. radar. *Brown, E.R.*, +, *MWSYM* 02 1591-1594 vol.3
- Biocybernetics; cf.** Brain models
- Bioelectric phenomena**
complex permitt. of brain tissues, charactn. up to 50 GHz using two-port microstrip test fixture. *Tofighi, M.-R.*, +, *T-MTT Oct* 02 2217-2225
human tissue, W-band dielec. props./SAR distrib./thermal response. *Gustrau, F.*, +, *T-MTT Oct* 02 2393-2400
neurological cell soln. activity, complex permitt. meas. *Tofighi, M.R.*, +, *MWSYM* 02 1763-1766 vol.3
theoretical evaluation of GSM/UMTS electromagnetic fields on neuronal network response. *Apollonio, F.*, +, *T-MTT Dec* 02 3029-3035
- Biological effects of fields**
biological phantoms, EM exposure eval., finite-element procedure-based approach. *Caorsi, S.*, +, *T-MTT Oct* 02 2346-2352
- Biological effects of microwaves**
dosimetry, biological effects of radiofrequency/microwave radiation, thermogenic character. *Adair, E.R.*, +, *T-MTT Mar* 02 953-962
EHF microwaves, nonthermal effects, cell chromatin conform., comments and reply. *Osepchuk, J.M.*, +, *T-MTT Jul* 02 1856-1858
GSM base-station antenna, human exposure eval., multiple-region/FDTD method. *Bernardi, P.*, +, *MWSYM* 02 1747-1750 vol.3
human tissue, W-band dielec. props./SAR distrib./thermal response. *Gustrau, F.*, +, *T-MTT Oct* 02 2393-2400
IEEE microwave symposium, conf., Seattle, WA, USA (Jun 02). *MWSYM*-02 3 vol.(lxxxii+xxiii+xxv+2272)
neurological cell soln. activity, complex permitt. meas. *Tofighi, M.R.*, +, *MWSYM* 02 1763-1766 vol.3
radiobase antenna dosimetric problems, parallel FDTD tool. *Catarinucci, L.*, +, *MWSYM* 02 1755-1758 vol.3
technol. develop./appls., milestones. *Sobol, H.*, +, *T-MTT Mar* 02 594-611
thermal biological effects of RF/microwave radiation, comments and reply. *King, R.W.P.*, +, *T-MTT Aug* 02 2032-2033
UMTS, bioelectromagnetic overview, radiowave sig. effects. *Cappelli, M.*, +, *MWSYM* 02 2265-2268 vol.3
UMTS/GSM EM fields effect on neuronal network response. *Apollonio, F.*, +, *MWSYM* 02 1751-1754 vol.3
- Biological effects of radiation; cf.** Biological effects of fields; Biological effects of microwaves; Cellular effects of radiation
- Biological fluid dynamics; cf.** Pneumodynamics
- Biological organs; cf.** Brain; Eye
- Biological techniques**
bioparticle rem. detect. in THz region, differential absorpt. radar. *Brown, E.R.*, +, *MWSYM* 02 1591-1594 vol.3
complex permitt. of brain tissues, charactn. up to 50 GHz using two-port microstrip test fixture. *Tofighi, M.-R.*, +, *T-MTT Oct* 02 2217-2225
- Biological tissues**
biological tissues, temp. distrib. profile, multifreq. microwave thermography. *Stec, B.*, +, *MWSYM* 02 2261-2264 vol.3
neurological cell soln. activity, complex permitt. meas. *Tofighi, M.R.*, +, *MWSYM* 02 1763-1766 vol.3
W-band dielec. props./SAR distrib./thermal response. *Gustrau, F.*, +, *T-MTT Oct* 02 2393-2400
- Biological tissues; cf.** Muscle; Skin; Tumors
- Biology**
theoretical evaluation of GSM/UMTS electromagnetic fields on neuronal network response. *Apollonio, F.*, +, *T-MTT Dec* 02 3029-3035
- Biology; cf.** Biochemistry; Cardiology; Genetics; Physiology
- Biomedical communication; cf.** Biomedical telemetry
- Biomedical engineering**
modeling of planar applicators for microwave thermotherapy. *Carlier, J.*, +, *T-MTT Dec* 02 3036-3042
- Biomedical equipment; cf.** Biomedical telemetry
- Biomedical imaging**
RF/microwave appls. in med., therapeutic/diagnostic appls. *Rosen, A.*, +, *T-MTT Mar* 02 963-974
- Biomedical imaging; cf.** Medical image processing
- Biomedical measurement**
biological tissues, temp. distrib. profile, multifreq. microwave thermography. *Stec, B.*, +, *MWSYM* 02 2261-2264 vol.3
complex permitt. of brain tissues, charactn. up to 50 GHz using two-port microstrip test fixture. *Tofighi, M.-R.*, +, *T-MTT Oct* 02 2217-2225
- Biomedical measurement; cf.** Biomedical telemetry
- Biomedical telemetry**
Doppler radar sens. of vital signs using wireless commun. terminal. *Lubecke, V.*, +, *MWSYM* 02 1767-1770 vol.3
- Biophysics; cf.** Bioelectric phenomena; Biothermics; Molecular biophysics
- Biothermics**
biological tissues, temp. distrib. profile, multifreq. microwave thermography. *Stec, B.*, +, *MWSYM* 02 2261-2264 vol.3
dosimetry, biological effects of radiofrequency/microwave radiation, thermogenic character. *Adair, E.R.*, +, *T-MTT Mar* 02 953-962
human tissue, W-band dielec. props./SAR distrib./thermal response. *Gustrau, F.*, +, *T-MTT Oct* 02 2393-2400
RF/microwave appls. in med., therapeutic/diagnostic appls. *Rosen, A.*, +, *T-MTT Mar* 02 963-974
RF/microwave radiation, thermal biological effects, comments and reply. *King, R.W.P.*, +, *T-MTT Aug* 02 2032-2033
- Biothermics; cf.** Hyperthermia
- Bipolar analog integrated circuits**
InP HBT VCO IC for OC-768 fiber optic commun. appls. *Liyang Zhang*, +, *RFIC* 02 85-88
Si bipolar power amp. for 1.8 GHz appls., high perform. *Carrara, F.*, +, *MWSYM* 02 1015-1018 vol.2
SiGe 20-GHz VCO and freq. divider, varactor-tuned LC-type oscillator, radar transmitter. *Ettinger, K.*, +, *MWSYM* 02 835-838 vol.2
SiGe 2.4-GHz HBT power amp. with high-Q LTCC harmonic suppression filter. *Raghavan, A.*, +, *MWSYM* 02 1019-1022 vol.2
SiGe 5-6 GHz act. subharmonic direct-conversion receiver front-end design. *Švitek, R.*, +, *MWSYM* 02 505-508 vol.1
SiGe bipolar transimpedance amp. array for 12 parallel 10 Gb/s opt. fiber links. *Schild, A.*, +, *RFIC* 02 89-92
SiGe HBT cascode LNAs, 2-GHz, geom./bias current optim. *Qingqing Liang*, +, *MWSYM* 02 517-520 vol.1
SiGe HBT cascode LNAs, geom. and bias current optim. *Qingqing Liang*, +, *RFIC* 02 407-410
SiGe HBT dual-VCO, cable modem receiver. *Stadius, K.*, +, *RFIC* 02 471-474
SiGe HBT fully-integrated coupled VCOs, phase noise. *Jacobsson, H.*, +, *MWSYM* 02 577-580 vol.1
SiGe HBT fully-integrated coupled VCOs, phase noise. *Jacobsson, H.*, +, *RFIC* 02 467-470
SiGe HBT wide-tuning-range dual-VCOs for cable modem receivers. *Stadius, K.*, +, *MWSYM* 02 581-584 vol.1
SiGe MMIC receiver, even harmonic type, W-CDMA mobile terminals. *Taniguchi, E.*, +, *RFIC* 02 133-136
SiGe quadrature VCO, fully monolithic design, GSM/DCS-PCS appl. *Cordeau, D.*, +, *RFIC* 02 455-458
SiGe quadrature VCO, GSM/DCS-PCS appls. *Cordeau, D.*, +, *MWSYM* 02 565-568 vol.1
variable order analog freq. divider design, nonlin. dyn. concepts. *Ramirez, F.*, +, *MWSYM* 02 127-130 vol.1
W-CDMA terminals, HBT power amp., const. voltage / const. current parallel operation. *Shinjo, S.*, +, *RFIC* 02 249-252
- Bipolar digital integrated circuits**
InP/InGaAs fully integrated 40-Gbit/s clock and data recovery cct., opt. commun. systs. *Nosaka, H.*, +, *MWSYM* 02 83-86 vol.1
SiGe bipolar PLL freq. synthesizer, VCO and divide-by-16 static freq. divider. *Ritzberger, G.*, +, *MWSYM* 02 831-834 vol.2
- Bipolar digital integrated circuits; cf.** Bipolar logic circuits
- Bipolar integrated circuits**
1.8-GHz high-efficiency 34-dBm silicon bipolar power amplifier. *Carrara, F.*, +, *T-MTT Dec* 02 2963-2970

- design of high-speed master-slave D-Type flip-flop in InP DHBT technology. *Kasbari, A.-E.*, +, *T-MTT Dec 02* 3064-3069
- GaAs 2-bit ADC ICs for radio astron. appls. *Okiura, M.*, +, *MWSYM 02* 485-488 vol.1
- GaAs-based HBT 40 Gbit/s opt. receiver IC chipset. *Amamiya, Y.*, +, *MWSYM 02* 87-90 vol.1
- SiGe high-speed bipolar ICs, weak substr. coupling meas./simul. *Steiner, W.*, +, *T-MTT Jul 02* 1705-1713
- Bipolar integrated circuits; cf.** Bipolar analog integrated circuits; Bipolar digital integrated circuits; Bipolar MIMIC; Bipolar MMIC
- Bipolar logic circuits**
- InP DHBT technol. high speed master-slave D-type flip-flop. *Kasbari, A.-E.*, +, *MWSYM 02* 1057-1060 vol.2
- SiGe bipolar technol. dual-modulus prescaler, static divider stages, differential CML. *Knapp, H.*, +, *RFIC 02* 239-242
- static freq. divider, low-power 20 GHz, prog. input sensitivity. *Vaucher, C.S.*, +, *RFIC 02* 235-238
- Bipolar MIMIC**
- GaAs-HBT MMIC push-push oscillator, 38 GHz, fixed freq. and VCO versions. *Schott, A.*, +, *MWSYM 02* 839-842 vol.2
- GaAs HBT operating as integrated V-to W-band Gunn oscillator. *Rudolph, M.*, +, *MWSYM 02* 1737-1740 vol.3
- InP HBT VCO IC for OC-768 fiber optic commun. appls. *Liyang Zhang.*, +, *RFIC 02* 85-88
- InP/InGaAs/InP W-band DHBT MMIC power amps. *Yun Wei.*, +, *MWSYM 02* 917-920 vol.2
- InP-InGaAs single HBT, scalable noise model, broad-band amp. ccts. *Huber, A.*, +, *T-MTT Jul 02* 1675-1682
- SiGe bipolar monolithic integrated mixer, 40 GHz, design. *Hackl, S.*, +, *MWSYM 02* 1241-1244 vol.2
- Bipolar MMIC**
- 1.9-GHz MMIC receiver front-end with monolithic image-reject filter and VCO. *Rogers, J.W.M.*, +, *T-MTT Jan 02* 210-215
- GSM/EDGE dual-mode, 900/1800/1900-MHz triple-band HBT MMIC power amp. module. *Yamamoto, K.*, +, *RFIC 02* 245-248
- InGaP/GaAs broadband monolithic HBT power amps. for 3G handset appls. *Jager, H.*, +, *MWSYM 02* 1035-1038 vol.2
- InGaP/GaAs HBT MMIC lin. broadband power amps., optimum bias conditions. *Iwamoto, M.*, +, *MWSYM 02* 901-904 vol.2
- InGaP/GaAs HBT MMIC VCO, Ku band, with bal./differential topologies. *Dong-Hyun Baek.*, +, *MWSYM 02* 847-850 vol.2
- Ku-band coplanar HBT MMIC HPA, flip-chip assembly. *Frayssé, J.P.*, +, *MWSYM 02* 441-444 vol.1
- SiGe 20-GHz VCO and freq. divider, varactor-tuned LC-type oscillator, radar transmitter. *Ettinger, K.*, +, *MWSYM 02* 835-838 vol.2
- SiGe MMIC receiver, even harmonic type, W-CDMA mobile terminals. *Taniguchi, E.*, +, *RFIC 02* 133-136
- SiGe sub-harmonic direct-conversion receiver front-end design for 5-6 GHz band appls. *Svitek, R.*, +, *RFIC 02* 395-398
- Si/SiGe HBT receiver front-end, ISM-band, relax. emitter scaling, consumer-oriented systs., Ka band. *Sonmez, E.*, +, *RFIC 02* 159-162
- static freq. divider, low-power 20 GHz, prog. input sensitivity. *Vaucher, C.S.*, +, *RFIC 02* 235-238
- W-CDMA terminals, HBT power amp., const. voltage / const. current parallel operation. *Shinjo, S.*, +, *RFIC 02* 249-252
- Bipolar transistor circuits**
- AlN HBT, Ku-band power amp., flip-chip mounting. *Vendier, O.*, +, *MWSYM 02* 1389-1392 vol.3
- Si VCO and push-push oscillator, phase noise. *Dussop, L.*, +, *MWSYM 02* 695-698 vol.2
- Bipolar transistors**
- characterization and modeling of bias dependent breakdown and self-heating in GaInP/GaAs power HBT to improve high power amplifier design. *Heckmann, S.*, +, *T-MTT Dec 02* 2811-2819
- corrections to "Improvement of third-order intermodulation product of RF and microwave amplifiers by injection" (Jun 01 1148-1154). *Aitchison, C.S.*, +, *T-MTT Jan 02* 229
- Bipolar transistors; cf.** Heterojunction bipolar transistors; Microwave bipolar transistors; Millimeter wave bipolar transistors; Power bipolar transistors; UHF bipolar transistors
- Bolometers**
- CPW embedding ccts. for THz hot-electron-bolometer mixers. *Focardi, P.*, +, *T-MTT Oct 02* 2374-2383
- Boron**
- poly-SiGe:B resistors, LF noise rel. to B doping/Ge content. *Kun-Ming Chen.*, +, *MWSYM 02* 405-408 vol.1
- Boundary-elements methods**
- biological phantoms, EM exposure eval., finite-element procedure-based approach. *Caorsi, S.*, +, *T-MTT Oct 02* 2346-2352
- Boundary integral equations**
- rect. waveguide filters, integral eqn./boundary integral-reson. mode expansion method anal. *Boria, V.E.*, +, *MWSYM 02* 393-396 vol.1
- Boundary-value problems**
- circ.-to-rect. waveguide T-jn., dual-mode filter design. *Ke-Li Wu.*, +, *T-MTT Feb 02* 465-473
- EM field BVP, symmetric successive overrelaxation preconditioning conjug.-gradient method. *Ru-Shan Chen.*, +, *T-MTT Apr 02* 1165-1172
- overmoded circ. waveguides, lossy-wall, mode coupling. *Shafii, J.*, +, *T-MTT May 02* 1361-1369
- perfectly matched layers, 3D finite-difference freq.-domain method. *Tischler, T.*, +, *MWSYM 02* 1885-1888 vol.3
- static and quasi-static fields inherent to pulsed FDTD method, trailing dc offsets. *Pontalti, R.*, +, *T-MTT Aug 02* 2022-2025
- Trefftz FEM for comput. EM, TLM method. *Shlepnev, Y.O.*, *T-MTT May 02* 1328-1339
- Bragg gratings**
- millimeter-wave power-fading compensation for WDM fiber-radio transmission using a wavelength-self-tunable single-sideband filter. *Vourc'h, E.*, +, *T-MTT Dec 02* 3009-3015
- opt. commun. sigs., security syst. with fiber Bragg gratings. *Torres, P.*, +, *T-MTT Jan 02* 13-16
- unapodized chirped fiber Bragg gratings, dispersion compensation in long-haul transm. systs. *Rocha, M.L.*, +, *T-MTT Jan 02* 88-93
- Brain**
- complex permitt. of brain tissues, charactn. up to 50 GHz using two-port microstrip test fixture. *Tofghi, M.-R.*, +, *T-MTT Oct 02* 2217-2225
- Brain models**
- UMTS/GSM EM fields effect on neuronal network response. *Apollonio, F.*, +, *MWSYM 02* 1751-1754 vol.3
- Bremsstrahlung**
- RF vac. electronics, hist. & recent advances. *Parker, R.K.*, +, *T-MTT Mar 02* 835-845
- Broadband networks**
- 200-285-GHz waveguide SIS mixer with inhomog. distributed jn. array. *Takeda, M.*, +, *T-MTT Nov 02* 2618-2623
- fully integrated broad-band amplifier MMIC employing novel chip-size package. *Yun, Y.*, +, *T-MTT Dec 02* 2930-2937
- Ka-band 156 Mbps transceiver for WLAN syst. using PTFE/FR-4 laminated MCMs. *Takahashi, K.*, +, *MWSYM 02* 787-790 vol.2
- photonic true-time delay beamformer for broadband wireless access networks. *Vidal, B.*, +, *MWSYM 02* 1949-1952 vol.3
- SiGe transceiver chipset for 100 Mbps/1 Gbps digital commun. over CATV. *Alexanian, A.*, +, *RFIC 02* 119-122
- six-port direct digital receiver and std. direct receiver results for QPSK modulation at high speeds. *Schiel, J.-C.*, +, *MWSYM 02* 931-934 vol.2
- V-Band 2-b and 4-b low-loss and low-voltage distributed MEMS digital phase shifter using metal-air-metal capacitors. *Kim, H.-T.*, +, *T-MTT Dec 02* 2918-2923
- Broadcasting; cf.** Direct broadcasting by satellite
- Brownian motion**
- MEMS-based ccts. & phase shifters, phase noise anal. *Rebeiz, G.M.*, *T-MTT May 02* 1316-1323
- Buffer circuits**
- CMOS static 2:1 freq. divider, high input sensitivity. *Wohlmuth, H.-D.*, +, *RFIC 02* 231-234
- DCS 1800 base station receiver integrated in 0.25 μ m CMOS. *Boric-Lubecke, O.*, +, *MWSYM 02* 1049-1052 vol.2
- Bulk acoustic wave devices**
- microwave BAW/SAW materials/devices/appls. *Weigel, R.*, +, *T-MTT Mar 02* 738-749
- resonators/filters, appls. above 2 GHz. *Lakin, K.M.*, +, *MWSYM 02* 1487-1490 vol.3
- Buried object detection**
- buried targets, microwave radar underground propag. and detect. appls. *Carin, L.*, +, *T-MTT Mar 02* 945-952
- cylindrically stratified media, microwave imaging, anal. method. *Akhtar, M.J.*, +, *MWSYM 02* 2005-2008 vol.3
- Butterworth filters**
- filter synthesis technique applied to design of multistage broad-band microwave amplifiers. *Rooney, J.-P.*, +, *T-MTT Dec 02* 2947-2953
- multistage broadband microwave amp. design, appl. of filter synthesis tech. *Rooney, J.-P.*, +, *MWSYM 02* 1915-1918 vol.3
- planar filter design using 0 feed struct., lumped-cct. model. *Chih-Ming Tsai.*, +, *T-MTT Oct 02* 2362-2367
- RF power amp. lin., adaptive predistortion feedback path, anti-aliasing filter effects. *Weiyun Shan.*, +, *MWSYM 02* 469-472 vol.1

C

Cables (electric); cf. Coaxial cables

Cable television

microwave fiber-radio links, nonlin. distortion/crosstalk. *Funk, E.E.*, +, *MWSYM 02* 1691-1693 vol.3

- SiGe transceiver chipset for 100 Mbps/1 Gbps digital commun. over CATV. *Alexanian, A.*, +, *RFIC* 02 119-122
- CAD**
- 2002 International Microwave Symposium (special issue). *T-MTT Dec* 02 2660, 2679-3076
- 2002 International Microwave Symposium (special issue intro.). *Weisshaar, A.*, +, *T-MTT Dec* 02 2660-2663
- CAD of waveguide struct. with prod. based rads. at double plane steps and jn. ports. *Reiter, J.M.*, +, *MWSYM* 02 2081-2084 vol.3
- coaxial couplers and waveguides with complex cross sect., conformal mapping design/anal. tools. *Teppati, V.*, +, *T-MTT Oct* 02 2339-2345
- computer-aided tuning of microwave filters using fuzzy logic. *Mirafteb, V.*, +, *T-MTT Dec* 02 2781-2788
- EM-based optimization exploiting partial space mapping and exact sensitivities. *Bandler, J.W.*, +, *T-MTT Dec* 02 2741-2750
- GaAs HBT, CAD, large-sig. model. *Angelov, I.*, +, *MWSYM* 02 2137-2140 vol.3
- generation of optimal microwave topologies using time-domain field synthesis. *Bakr, M.H.*, +, *T-MTT Nov* 02 2537-2544
- multipactor-free waveguide components for commun. satellites, CAD. *Ludovico, M.*, +, *MWSYM* 02 2077-2080 vol.3
- CAD; cf.** Electronic design automation; Logic CAD
- Calculus; cf.** Integration; Variational techniques
- Calibration**
- act. device charactn., source refl. coeff. meas. tech. *Madonna, G.*, +, *T-MTT Feb* 02 564-569
- airborne dual-channel microwave radiometers, on-board accurate calib. *Corbella, I.*, +, *T-MTT Jul* 02 1816-1820
- CMOS interconnections anal. combining LE-FDTD method and SOC procedure. *Alimenti, F.*, +, *MWSYM* 02 879-881 vol.2
- complex permitt. meas., microwave planar reson. sens. *Fratticcioli, E.*, +, *MWSYM* 02 647-650 vol.2
- complex permitt. of brain tissues, charactn. up to 50 GHz using two-port microstrip test fixture. *Tofighi, M.-R.*, +, *T-MTT Oct* 02 2217-2225
- digital ICs, 40 Gb, time-domain waveform meas., cable/connector dispersion removal. *Scott, J.*, +, *MWSYM* 02 1669-1672 vol.3
- field-extracted lumped-element models of CPS ccts. and discontinuities, RF design. *Lei Zhu*, +, *T-MTT Apr* 02 1207-1215
- GaAs CPW line, probe-tip calib. *Carchon, G.*, +, *MWSYM* 02 1837-1840 vol.3
- high-bandwidth sampling oscilloscope calib., NPL optoelectronic syst. *Smith, A.J.A.*, +, *MWSYM* 02 1501-1504 vol.3
- MM-wave polarimeter, calib., dielec. sheet. *O'Dell, C.W.*, +, *T-MTT Sep* 02 2135-2141
- perform. charactn. of FPGA techs. for calib. and beamforming in smart antenna appls. *Nuteson, T.W.*, +, *T-MTT Dec* 02 3043-3051
- planar IC, lumped element, param. extraction, short-open calib. *Lei Zhu*, +, *T-MTT Aug* 02 1861-1869
- six-port reflectometers self-calib., act. loads synthesis, autom. method. *Yakabe, T.*, +, *T-MTT Apr* 02 1237-1239
- smart antennas, digital beamforming/calib. using real-time FPGA proc. *Nuteson, T.W.*, +, *MWSYM* 02 307-310 vol.1
- uniplanar MICs, monolithic and hybrid, finite-ground CPW reactive series-connected elements. *Lei Zhu*, +, *T-MTT Feb* 02 549-557
- vector NWA, fixed probe spacing on-wafer calib. *Safwat, A.M.E.*, +, *MWSYM* 02 2257-2260 vol.3
- Cancer**
- act. microwave imaging, 2D forward and inverse scatt. methods, breast tumor detect. appl. *Qing Huo Liu*, +, *T-MTT Jan* 02 123-133
- biological tissues, temp. distrib. profile, multifreq. microwave thermography. *Stec, B.*, +, *MWSYM* 02 2261-2264 vol.3
- dual-mode antenna, microwave hyperthermia, multifrequency radiometry. *Jacobsen, S.*, +, *T-MTT Jul* 02 1737-1746
- RF/microwave appls. in med., therapeutic/diagnostic appls. *Rosen, A.*, +, *T-MTT Mar* 02 963-974
- Capacitance**
- broadband flip-chip transit. design, locally matching tech. *Chun-Long Wang*, +, *MWSYM* 02 1397-1400 vol.3
- charged plate, capacitance, MoM matrix elements. *Jen-Tsai Kuo*, +, *T-MTT May* 02 1435-1436
- CMOS RFIC CAD, gate capacitance models smoothing. *Dobes, J.*, *RFIC* 02 495-498
- CMOS RFIC/microwave IC CAD, smoothing gate capacitance models. *Dobes, J.*, *MWSYM* 02 605-608 vol.1
- CMOS RFICs, EM isolation and coupling characts. for crosstalk suppress. *Adan, A.O.*, +, *MWSYM* 02 39-42 vol.1
- coaxial couplers and waveguides with complex cross sect., conformal mapping design/anal. tools. *Teppati, V.*, +, *T-MTT Oct* 02 2339-2345
- ESD protection of RF ccts. in std. CMOS proc. *Higashi, K.*, +, *MWSYM* 02 31-34 vol.1
- GaAs-based HBTs, unified collector charge model. *Rudolph, M.*, +, *T-MTT Jul* 02 1747-1751
- GaAs MESFETs, photonic capacitance model, on-wafer scatt. param. meas. *Navarro, C.*, +, *T-MTT Apr* 02 1193-1197
- HBT extrinsic base-collector capacitance derived from S-param. meas. *Wasige, E.*, +, *MWSYM* 02 733-736 vol.2
- MOSFET model for RFIC design valid in all regions of operation. *Enz, C.*, *T-MTT Jan* 02 342-359
- planar Marchand balun, capacitively-compensated, anal./design. *Ng, C.Y.*, +, *MWSYM* 02 113-116 vol.1
- push/pull class-DE switching power amp., shunt capacitances. *Alipov, A.*, +, *MWSYM* 02 1635-1638 vol.3
- symm. octagonal inductor, substr. parasitics calc. *Tatinian, W.*, +, *MWSYM* 02 165-169 vol.1
- Capacitors**
- Al₂O₃ high-K dielec., RF MIM capacitor. *Chen, S.B.*, +, *MWSYM* 02 201-204 vol.1
- AlTiO_x high-K dielec., RF MIM capacitor. *Chen, S.B.*, +, *MWSYM* 02 201-204 vol.1
- CMOS Bluetooth transceiver IC with Cu RF pass., fab. and perform. *Doan, M.T.*, +, *RFIC* 02 415-418
- corrections to "Accurate circuit model of interdigital capacitor and its application to design of new quasi-lumped miniaturized filters with suppression of harmonic resonance" (Mar 00 347-356). *Lei Zhu*, +, *T-MTT Oct* 02 2412-2413
- integrated pass. on PCBs, CAD methodology. *Draxler, P.*, *MWSYM* 02 2097-2100 vol.3
- Ka-band distributed MEMS phase shifter, metal-air-metal capacitor. *Hayden, J.S.*, +, *MWSYM* 02 337-340 vol.1
- polysilicon differential multi-finger MEMS tunable capacitors for RFIC. *Ionis, G.V.*, +, *MWSYM* 02 345-348 vol.1
- RFIC, pass. devices. *Coolbaugh, D.*, +, *MWSYM* 02 187-191 vol.1
- surface-mounted RF components, meas. based closed-form modeling. *Naishadham, K.*, +, *T-MTT Oct* 02 2276-2286
- V-Band 2-b and 4-b low-loss and low-voltage distributed MEMS digital phase shifter using metal-air-metal capacitors. *Kim, H.-T.*, +, *T-MTT Dec* 02 2918-2923
- V-band distributed MEMS digital phase shifter, metal-air-metal capacitor. *Hong-Teuk Kim*, +, *MWSYM* 02 341-344 vol.1
- Capacitors; cf.** Ferroelectric capacitors; Thin film capacitors; Varactors
- Carbon; cf.** Carbon nanotubes
- Carbon compounds; cf.** Organic compounds
- Carbon nanotubes**
- C nanotube RF reson. cct. sens., gas rem. sens. *Chopra, S.*, +, *MWSYM* 02 639-642 vol.2
- Cardiology**
- Doppler radar sens. of vital signs using wireless commun. terminal. *Lubecke, V.*, +, *MWSYM* 02 1767-1770 vol.3
- Carrier density**
- heterodimensional contacts, barrier enhancement mechanisms, effect on current transport. *Anwar, A.*, +, *T-MTT Jan* 02 68-71
- Carrier lifetime**
- InGaP/GaAs HBT, large-sig. modeling, high-current effects charactn. *Shirokov, M.S.*, +, *T-MTT Apr* 02 1084-1094
- Carrier mobility**
- heterodimensional contacts, barrier enhancement mechanisms, effect on current transport. *Anwar, A.*, +, *T-MTT Jan* 02 68-71
- poly-SiGe:B resistors, LF noise rel. to B doping/Ge content. *Kun-Ming Chen*, +, *MWSYM* 02 405-408 vol.1
- Cascade networks**
- cascaded quintuplet filter structs., direct synthesis using lowpass prototype. *Reeves, T.*, +, *MWSYM* 02 1441-1444 vol.3
- coupled resonator filters, computer-aided diagnosis and tuning. *Heng-Tung Hsu*, +, *T-MTT Apr* 02 1137-1145
- coupled-resonators cavity group-delay equalizer design. *Heng-Tung Hsu*, +, *T-MTT Aug* 02 1960-1968
- cross-coupled filters, cascade synthesis theory, complex transm. zeros. *Yildirim, N.*, +, *T-MTT Jun* 02 1536-1543
- DC-blocking parallel-cascaded cymbal bandpass filter. *Strassner, B.*, +, *T-MTT May* 02 1431-1432
- GaAs MESFET distributed baseband ICs using artificial-line-division tech. and 3D transm. lines. *Kimura, S.*, +, *T-MTT Jun* 02 1603-1608
- in-line coaxial-to-waveguide adapters, propag. modes, equiv. cct. *Levy, R.*, +, *MWSYM* 02 809-811 vol.2
- inline prototype filters, cascaded triplet/quadruplet sects. *Macchiarella, G.*, *T-MTT Jul* 02 1779-1783
- planar filter, design optimization. *Peik, S.F.*, +, *MWSYM* 02 1109-1112 vol.2
- RF/microwave ccts./sys., CAD/CAE. *Steer, M.B.*, +, *T-MTT Mar* 02 996-1005
- Cathodes**
- PLZT ferroelec. cathode, microwave gyro amp. *Einat, M.*, +, *T-MTT Apr* 02 1227-1230
- RF vac. electronics, hist. & recent advances. *Parker, R.K.*, +, *T-MTT Mar* 02 835-845
- Cavity resonator filters**
- capacitive defect EBG resonator. *Xun Gong*, +, *MWSYM* 02 1091-1094 vol.2

- comblinetype filters, ANN and EM based models for excitation loops. *Borji, A.*, +, *MWSYM* 02 2105-2108 vol.3
- conductor-loaded cavity resonators, 3-pole filter. *Salehi, H.*, +, *MWSYM* 02 1601-1604 vol.3
- coupled Pade approx.-FEM appl. to microwave device design. *Thon, B.*, +, *MWSYM* 02 1889-1892 vol.3
- coupled-resonators cavity group-delay equalizer design. *Heng-Tung Hsu*, +, *T-MTT Aug* 02 1960-1968
- coupling schemes for microwave resonator filters. *Rosenberg, U.*, +, *MWSYM* 02 1605-1608 vol.3
- dual-mode filters with grooved dielec. resonator loaded cavity for cellular radio base-stations. *Accatino, L.*, +, *MWSYM* 02 1453-1456 vol.3
- dual mode TE_{11n} cavity filter with trifurcated iris and reduced footprint. *Ming Yu*, +, *MWSYM* 02 1457-1460 vol.3
- folded waveguide filters with cross couplings, design procedure. *Kochbach, J.*, +, *MWSYM* 02 1449-1452 vol.3
- mm-wave diplexer, H-plane transformer/E-plane metal-insert filters. *Ofli, E.*, +, *MWSYM* 02 377-380 vol.1
- suspen. resonators for filters, excitation of evanescent cavities using high dielec. const. feedlines. *Snyder, R.V.*, +, *MWSYM* 02 1597-1600 vol.3
- vert. integrated slot-coupled micromachined filter, meas. and FEM model. *Harle, L.*, +, *T-MTT Sep* 02 2063-2068
- Cavity resonators**
- 3D symmetric condensed node TLM, time domain field synthesis. *Bakr, M.H.*, +, *MWSYM* 02 1131-1134 vol.2
- anal. of dielectric-loaded cavities using orthonormal-basis method. *Monsorru, J.A.*, +, *T-MTT Nov* 02 2545-2552
- axisymmetric composite microwave cavities, reson. freq. and Q factor. *Kishk, A.A.*, +, *T-MTT Oct* 02 2287-2293
- capacitive defect EBG resonator. *Xun Gong*, +, *MWSYM* 02 1091-1094 vol.2
- conductor-loaded cavity resonators, 3-pole filter. *Salehi, H.*, +, *MWSYM* 02 1601-1604 vol.3
- confocal annular ellipt. waveguides & resonators, atten. characts. *Gutierrez-Vega, J.C.*, +, *T-MTT Apr* 02 1095-1100
- dielec. resonator unloaded Q-factor meas. by transm./refl. mode methods using S-param. circle fitting. *Leong, K.*, +, *MWSYM* 02 1665-1668 vol.3
- EM problems, FDTD method, custom hardware implement. *Schneider, R.N.*, +, *MWSYM* 02 875-878 vol.2
- extended FDTD tech. includ. pass. and act. elements, stabil. anal. *Thiel, W.*, +, *T-MTT Sep* 02 2159-2165
- generalized reaction and unrestricted variational formulation of cavity resonators - part I, basic theory. *Shams-Zadeh-Amiri, A.M.*, +, *T-MTT Nov* 02 2480-2490
- generalized reaction and unrestricted variational formulation of cavity resonators - part II, nonorthogonal and free-boundary mode-matching method. *Shams-Zadeh-Amiri, A.M.*, +, *T-MTT Nov* 02 2491-2498
- highly conductive materials, ADI-FDTD simul. at RF/microwave freqs. *Chenghao Yuan*, +, *MWSYM* 02 1135-1138 vol.2
- integrated microwave sens., cavity length meas. *Megej, A.*, +, *MWSYM* 02 643-646 vol.2
- Ka-band coupled-cavity TWT amps. for mil. radar and commercial satellite commun. *Legarra, J.R.*, +, *MWSYM* 02 625-628 vol.2
- multiresolution time-domain scheme for microwave struct., multiple image tech., anisotropic perfectly matched layer. *Qunsheng Cao*, +, *T-MTT Jun* 02 1578-1589
- rect. apertures backed by rect. cavities, circuital approach to EM field eval. *Azaro, R.*, +, *T-MTT Oct* 02 2259-2266
- Si micromachined high-Q resonator at 5.7 GHz, design and fab. *Tavernier, C.A.*, +, *T-MTT Oct* 02 2305-2314
- Si micromachined RF MEMS resonators, fab. and perform. *Strohm, K.M.*, +, *MWSYM* 02 1209-1212 vol.2
- stepped cavity resonator with optimized spurious perform. and appls. to BPFs. *Konno, K.*, +, *MWSYM* 02 389-392 vol.1
- unconditionally stable FDTD method in cylindrical coord. syst. *Chenghao Yuan*, +, *T-MTT Oct* 02 2401-2405
- Cavity resonators; cf.** Acoustic resonators; Cavity resonator filters
- Cellular arrays**
- SiGe BiCMOS proc. for wireless appls., 0.18 μ m, mixed sig. ccts. *Peihua Ye*, +, *RFIC* 02 329-332
- Cellular biophysics; cf.** Cellular effects of radiation
- Cellular effects of radiation**
- neurological cell soln. activity, complex permitt. meas. *Tofighi, M.R.*, +, *MWSYM* 02 1763-1766 vol.3
- Cellular radio**
- 3G mobiles, reconfigurable highly-integrated receiver archit. *Minnis, B.*, +, *RFIC* 02 187-190
- 3G UMTS/WCDMA handset RF subsyst., BiCMOS chipset. *Brunel, D.*, +, *RFIC* 02 191-194
- 4G RF systs. on chip or on module, integrat. limit, mobile stds. *Belot, D.*, *RFIC* 02 199-202
- 75 GHz BiCMOS UMTS zero-IF receiver, analog baseband chain. *Schelmbauer, W.*, +, *MWSYM* 02 13-16 vol.1
- base-station antenna, human exposure eval., multiple-region/FDTD method. *Bernardi, P.*, +, *MWSYM* 02 1747-1750 vol.3
- BiCMOS ICs, high perform. in 0.18 μ m proc. for wireless appls. *Peihua Ye*, +, *MWSYM* 02 175-178 vol.1
- CMOS dual-band freq. synthesizer, 2.3/4.6 GHz, wireless appls. *Wei-Zen Chen*, +, *RFIC* 02 169-172
- CMOS PLL based freq. synthesizer, ring-type VCO, GSM appls. *Ali, S.*, +, *RFIC* 02 173-176
- CMOS power amp., digital adaptive predistortion, cellular phone. *Kusunoki, S.*, +, *MWSYM* 02 765-768 vol.2
- CMOS transmit/receive IF chip-set for WCDMA mobiles. *Dasgupta, U.*, +, *RFIC* 02 195-198
- DCS 1800 base station receiver integrated in 0.25 μ m CMOS. *Boric-Lubecke, O.*, +, *MWSYM* 02 1049-1052 vol.2
- direct conversion radio for digital mobile phones; design issues, status, and trends. *Loke, A.*, +, *T-MTT Nov* 02 2422-2435
- dual-mode filters with grooved dielec. resonator loaded cavity for cellular radio base-stations. *Accatino, L.*, +, *MWSYM* 02 1453-1456 vol.3
- dual-mode filters with grooved/splitted dielectric resonators for cellular-radio base stations. *Accatino, L.*, +, *T-MTT Dec* 02 2882-2889
- E911 GPS receiver, highly integrated, BiCMOS chip. *Wilz, L.*, +, *RFIC* 02 115-118
- four-column array microstrip antenna, low-loss compact Butler matrix feed. *Bona, M.*, +, *T-MTT Sep* 02 2069-2075
- GaAs PHEMT MMIC power amp., 15 W, 3G wireless transmitter appls. *Staudinger, J.*, +, *MWSYM* 02 617-620 vol.2
- GaAs single-pole dual-throw antenna switch for GSM appl. *Numata, K.*, +, *RFIC* 02 141-144
- GSM 900/DCS 1800 fractional-N modulator with two-point-modulation. *Neurauter, B.*, +, *MWSYM* 02 425-428 vol.1
- GSM and DCS power amps., enhancement mode FET technol. *Glass, E.*, +, *MWSYM* 02 557-560 vol.1
- GSM/DCS single supply power amp. ICs, enhancement mode FET technol. *Glass, E.*, +, *RFIC* 02 447-450
- GSM direct conversion transceiver, RF LO. *Magoon, R.*, +, *RFIC* 02 23-26
- GSM/EDGE dual-mode, 900/1800/1900-MHz triple-band HBT MMIC power amp. module. *Yamamoto, K.*, +, *RFIC* 02 245-248
- GSM/PCN dual band variable gain low noise RF down conversion mixer. *Bonkee Kim*, +, *RFIC* 02 137-140
- InGaP/GaAs broadband monolithic HBT power amps. for 3G handset appls. *Jager, H.*, +, *MWSYM* 02 1035-1038 vol.2
- InGaP PHEMTs for 3.5 GHz W-CDMA appls. *Lan, E.*, +, *MWSYM* 02 1039-1042 vol.2
- lin. handset power amps., efficiency enhancements. *Staudinger, J.*, *RFIC* 02 45-48
- LTCC integrated tri-band direct conversion receiver front-end module. *Lucero, R.*, +, *MWSYM* 02 1545-1548 vol.3
- microwave filter technol. develop., appls. perspective. *Hunter, I.C.*, +, *T-MTT Mar* 02 794-805
- microwave technol. in telecomm. syst., future directions. *Sobol, H.*, *T-MTT Mar* 02 1037-1038
- MSM5100 cdma2000+AMPS+gpsOne+Bluetooth multimode ASIC, 3G handset. *Butler, B.K.*, +, *RFIC* 02 186A-186F
- PCS/IMT-2000 2-GHz RF frontend transceiver chipset, CMOS technol. *Yong-Sik Youn*, +, *RFIC* 02 271-274
- PHEMT LNA, enhancement mode, lin. control, logic controllable bypass-mitigated switch. *Kumar, S.*, +, *RFIC* 02 213-216
- power-amplifier module with digital adaptive predistortion for cellular phones. *Kusunoki, S.*, +, *T-MTT Dec* 02 2979-2986
- predistortion cct. design for 2nd- and 3rd-order lin. in laser-based radio-over-fiber systs. *Roselli, L.*, +, *MWSYM* 02 1711-1714 vol.3
- radiobase antenna dosimetric problems, parallel FDTD tool. *Catarinucci, L.*, +, *MWSYM* 02 1755-1758 vol.3
- RF front-end transceiver chipset, 2 GHz, PCS and IMT-2000 appls. *Yong-Sik Youn*, +, *MWSYM* 02 17-20 vol.1
- RF transceiver front-end, CMOS use, LV low power design. *Steyaert, M.S.J.*, +, *T-MTT Jan* 02 281-287
- SAW front-end module for GSM-based dual-band cellular phones with direct-conversion demodulation. *Hikita, M.*, +, *T-MTT Nov* 02 2629-2638
- SAW front end modules for GSM cellular phones with direct-conversion demodulation. *Hikita, M.*, +, *MWSYM* 02 1483-1486 vol.3
- Si BiCMOS receivers for normal and micro GSM900 and DCS 1800 base stations. *Gould, P.*, +, *T-MTT Jan* 02 369-376
- SiGe BiCMOS LNA & mixer, high lin., cellular CDMA/AMPS appl. *Aparin, V.*, +, *RFIC* 02 129-132
- SiGe BiCMOS transmitter IC, CDMA wireless handset. *Reddy, M.*, +, *RFIC* 02 35-38
- SiGe MMIC receiver, even harmonic type, W-CDMA mobile terminals. *Taniguchi, E.*, +, *RFIC* 02 133-136
- SiGe quadrature VCO, fully monolithic design, GSM/DCS-PCS appl. *Cordeau, D.*, +, *RFIC* 02 455-458
- SiGe quadrature VCO, GSM/DCS-PCS appls. *Cordeau, D.*, +, *MWSYM* 02 565-568 vol.1

- step gain differential LNA with impedance unchanged in gain control. *Tanabe, M.*, +, *RFIC 02* 209-212
- theoretical evaluation of GSM/UMTS electromagnetic fields on neuronal network response. *Apollonio, F.*, +, *T-MTT Dec 02* 3029-3035
- UMTS, bioelectromagnetic overview, radiowave sig. effects. *Cappelli, M.*, +, *MWSYM 02* 2265-2268 vol.3
- UMTS/GSM EM fields effect on neuronal network response. *Apollonio, F.*, +, *MWSYM 02* 1751-1754 vol.3
- W-CDMA mobile radio terminals, highly integrated RFICs, review. *Springer, A.*, +, *T-MTT Jan 02* 254-267
- wireless power amp., semicond. devices comparison. *Weitzel, C.E.*, *RFIC 02* 369-372
- YBaCuO supercond. bandpass filter, Chebyshev rejection, 3G/4G wireless appl. *Tsuzuki, G.*, +, *MWSYM 02* 1963-1966 vol.3
- Cellular radio; cf. Microcellular radio**
- Ceramic packaging**
- 3D integrated LTCC module, BGA technol., C-band RF front-end module, WLAN. *Pinel, S.*, +, *MWSYM 02* 1553-1556 vol.3
- chip-type MLC balun fabricated by LTCC technol. *Ching-Wen Tang*, +, *MWSYM 02* 2201-2204 vol.3
- LDMOS and PHEMT broadband distributed power amps., 6 W/high efficiency, using LTCC technol. *Lei Zhao*, +, *MWSYM 02* 897-900 vol.2
- LTCC freq. doubler, L-band, using embedded lumped element filters. *Hurley, R.*, +, *MWSYM 02* 1549-1552 vol.3
- LTCC-MCMs, buried meshed-ground coupling charact. anal., FEM calcs. *Jun-Goo Kim*, +, *MWSYM 02* 825-828 vol.2
- LTCC technol., enabler of high power RF integrated amps. *Piel, P.-M.*, +, *MWSYM 02* 1557-1560 vol.3
- Ceramics**
- dielec. materials and devices for microwave commun. systs. *Fiedziuszko, S.J.*, +, *T-MTT Mar 02* 706-720
- LTCC L-band mixer, image rejection. *Passiopoulos, G.*, +, *MWSYM 02* 249-252 vol.1
- LTCC stripline struct., sharpened edges and embedded pores. *Jae Hyuk Jang*, +, *MWSYM 02* 673-676 vol.2
- PCB and LTCC appls. *Sawicki, A.*, +, *MWSYM 02* 2225-2228 vol.3
- substr. material charactn. at microwave freqs., semianalytical tech. *Fathy, A.E.*, +, *T-MTT Oct 02* 2247-2252
- Ceramics; cf. Ceramic packaging; Ferroelectric ceramics**
- Channel flow**
- capacitive RF MEMS switch, gas damping model and dyn. characts. *Veijola, T.*, +, *MWSYM 02* 1213-1216 vol.2
- Chebyshev approximation**
- synthesis of advanced microwave filters without diagonal cross-couplings. *Cameron, R.J.*, +, *T-MTT Dec 02* 2862-2872
- Chebyshev filters**
- conductor-loaded cavity resonators, 3-pole filter. *Salehi, H.*, +, *MWSYM 02* 1601-1604 vol.3
- dielec. resonator filter and duplexer, TM₁₁ mode. *Enokihara, A.*, +, *MWSYM 02* 1781-1784 vol.3
- inline prototype filters, cascaded triplet/quadruplet sects. *Macchiarella, G.*, *T-MTT Jul 02* 1779-1783
- microstrip filters using folded qtr.-wave resonators. *Chi-Yang Chang*, +, *MWSYM 02* 1609-1612 vol.3
- microwave filters, computer-aided tuning using fuzzy logic. *Miraftab, V.*, +, *MWSYM 02* 1117-1120 vol.2
- multistage broadband microwave amp. design, appl. of filter synthesis tech. *Rooney, J.-P.*, +, *MWSYM 02* 1915-1918 vol.3
- RF power amp. lin., adaptive predistortion feedback path, anti-aliasing filter effects. *Weiyun Shan*, +, *MWSYM 02* 469-472 vol.1
- Si planar waveguide filter at 45 GHz based on periodic struct., design and fab. *Lenoir, B.*, +, *MWSYM 02* 1923-1926 vol.3
- 1/4 stepped-impedance resonator bandpass filter fab. on CPW. *Sanada, A.*, +, *MWSYM 02* 385-388 vol.1
- SrTiO₃ disk resonator, narrow-band tunable band-pass filter. *Deleniv, A.*, +, *MWSYM 02* 1197-1200 vol.2
- stepped impedance resonator bandpass filters, tunable transm. zeros. *Jen-Tsai Kuo*, +, *MWSYM 02* 1613-1616 vol.3
- ultra-selective 22-pole 10-transmission zero superconducting bandpass filter surpasses 50-pole Chebyshev filter. *Tsuzuki, G.*, +, *T-MTT Dec 02* 2924-2929
- YBaCuO supercond. bandpass filter, Chebyshev rejection, 3G/4G wireless appl. *Tsuzuki, G.*, +, *MWSYM 02* 1963-1966 vol.3
- Chemical analysis; cf. Chromatography**
- Chemical sensors**
- Au-coated multimode fiber sens., chem. anal. appl., surface plasmon reson. *Fontana, E.*, *T-MTT Jan 02* 82-87
- wireless IDT sens. *Jose, K.A.*, +, *MWSYM 02* 655-658 vol.2
- Chemical sensors; cf. Gas sensors**
- Chemical vapor deposition**
- SiGe HBTs, reduced press. CVD, RF perform. tradeoffs. *Bongki Mheen*, +, *MWSYM 02* 413-416 vol.1
- Chemical vapor deposition; cf. Plasma CVD**
- Chemical vapour deposition**
- SiO₂/Si₃N₄ integrated-optics waveguides on Si substr., design and fab. *Bulla, D.A.P.*, +, *T-MTT Jan 02* 9-12
- Chemistry; cf. Biochemistry**
- Cherenkov radiation**
- RF vac. electronics, hist. & recent advances. *Parker, R.K.*, +, *T-MTT Mar 02* 835-845
- Chip-on-board packaging**
- integrated inductors in chip-to-board interconnect layer, fab. using electroplating bonding. *Yeun-Ho Joung*, +, *MWSYM 02* 1409-1412 vol.3
- Chip scale packaging**
- E911 GPS receiver, highly integrated, BiCMOS chip. *Wilz, L.*, +, *RFIC 02* 115-118
- GaAs broadband amp. MMIC with RF-CSP for Ku/K band appls. *Young Yun*, +, *MWSYM 02* 409-412 vol.1
- Chrowaveguides**
- 2D and 3D discontinuities study. *Wu, T.X.*, +, *T-MTT Oct 02* 2320-2330
- Chromatography**
- millimeter-wave power-fading compensation for WDM fiber-radio transmission using a wavelength-self-tunable single-sideband filter. *Vourc'h, E.*, +, *T-MTT Dec 02* 3009-3015
- Circuit analysis computing**
- adjacence-graph recursive-thresholding tech. for optimized parallel admittance matrix approach. *Esposito, A.*, +, *T-MTT Sep 02* 2102-2107
- cascaded coupled resonator filters, computer-aided diagnosis and tuning. *Heng-Tung Hsu*, +, *T-MTT Apr 02* 1137-1145
- microwave filters, computer-aided tuning using fuzzy logic. *Miraftab, V.*, +, *MWSYM 02* 1117-1120 vol.2
- Circuit analysis computing; cf. Circuit simulation**
- Circuit CAD**
- CMOS RFIC CAD, gate capacitance models smoothing. *Dobes, J.*, *RFIC 02* 495-498
- CMOS RFIC/microwave IC CAD, smoothing gate capacitance models. *Dobes, J.*, *MWSYM 02* 605-608 vol.1
- EM-based cct.optim. exploiting partial space mapping and exact sensitivities. *Bandler, J.W.*, +, *MWSYM 02* 2101-2104 vol.3
- IEEE microwave symposium, conf., Seattle, WA, USA (Jun 02). *MWSYM-02 3 vol.* (lxxxii+xxiii+xxv+2272)
- implicit space mapping EM-based modeling and design of microwave ccts. *Bandler, J.W.*, +, *MWSYM 02* 713-716 vol.2
- integrated pass. on PCBs, CAD methodology. *Draxler, P.*, *MWSYM 02* 2097-2100 vol.3
- interdigital filters, optim. by CAD applying coupling ident. method. *Saboureau, C.*, +, *MWSYM 02* 2089-2092 vol.3
- microwave struct., fast finite-element-based field optimizer using anal. calc. gradients. *Harscher, P.*, +, *T-MTT Feb 02* 433-439
- narrow band waveguide filter CAD, EM segmentation method. *Bariant, D.*, +, *MWSYM 02* 979-982 vol.2
- SiGe LNA, 2.1 GHz, simul.-based automatic synthesis. *Gang Zhang*, +, *RFIC 02* 125-128
- Si LDMOS HV RFIC amp. design, robust model extraction. *Pla, J.A.*, +, *RFIC 02* 347-350
- Circuit CAD; cf. Hardware description languages**
- Circuit feedback**
- broadband RF front-end for direct conversion transceivers, 0.9-2.6 GHz, low-noise variable gain amp. *Kawashima, M.*, +, *MWSYM 02* 927-930 vol.2
- CMOS act. microwave cct. design, small-sig. substr. resist. effect modeling. *Yo-Sheng Lin*, +, *RFIC 02* 315-318
- RF CMOS, S-param. kink phenom., small-sig. substr. resist. effect. *Yo-Sheng Lin*, +, *MWSYM 02* 161-164 vol.1
- stable act. impedance inverter, anal. and appl. to bandpass filter design. *Young-Hoon Chun*, +, *MWSYM 02* 1911-1914 vol.3
- Circuit feedback; cf. Feedback amplifiers; Feedback oscillators**
- Circuit layout; cf. Circuit layout CAD; Integrated circuit layout; Printed circuit layout**
- Circuit layout CAD**
- EM/cct. co-optim. of lumped component and phys. layout params. using generalized layout components. *Sercu, J.*, +, *MWSYM 02* 2073-2076 vol.3
- integrated pass. on PCBs, CAD methodology. *Draxler, P.*, *MWSYM 02* 2097-2100 vol.3
- OC-192/OC-768 fiber opt. ICs, global layout model, quasistatic MoM. *Huang, C.-W.P.*, +, *RFIC 02* 97-100
- sq. spiral inductor, inductance formula on grounded substr. by duality and synthetic asymptote. *Tang, W.C.*, +, *MWSYM 02* 2069-2072 vol.3
- Circuit noise**
- cryogenic LNA, DC power consumption. *Angelov, L.*, +, *T-MTT Jun 02* 1480-1486
- FMCW radar transceiver, bal. FET cct., AM noise. *Fager, C.*, +, *T-MTT Apr 02* 1224-1227
- nonlin. oscillator, phase-noise anal., time-domain/freq.-domain approaches. *Suarez, A.*, +, *T-MTT Oct 02* 2353-2361

Circuit noise; cf. Integrated circuit noise**Circuit optimization**

- adjacency-graph recursive-thresholding tech. for optimized parallel admittance matrix approach. *Esposito, A.*, +, *T-MTT Sep 02* 2102-2107
- coupled oscillator arrays, locking range improvement. *Jinjin Shen*, +, *MWSYM 02* 1309-1312 vol.2
- coupled resonator filters with source/load-multiresonator coupling, adaptive synthesis. *Amari, S.*, +, *T-MTT Aug 02* 1969-1978
- coupled-resonators cavity group-delay equalizer design. *Heng-Tung Hsu*, +, *T-MTT Aug 02* 1960-1968
- defected ground struct. lowpass filter optimiz., equiv. cct./modeling method. *Jun-Seok Park*, +, *MWSYM 02* 417-420 vol.1
- dual-gate FET mixers, IMD anal., large-sig./small-sig. anal. *Junghyun Kim*, +, *T-MTT Jun 02* 1544-1555
- EM-based cct.optim. exploiting partial space mapping and exact sensitivities. *Bandler, J.W.*, +, *MWSYM 02* 2101-2104 vol.3
- EM/cct. co-optim. of lumped component and phys. layout params. using generalized layout components. *Sercu, J.*, +, *MWSYM 02* 2073-2076 vol.3
- EM-simulator based param. extraction/optimiz. *Harscher, P.*, +, *MWSYM 02* 1113-1116 vol.2
- field-extracted lumped-element models of CPS ccts. and discontinuities, RF design. *Lei Zhu*, +, *T-MTT Apr 02* 1207-1215
- GaAs MESFET digital attenuator MMIC, excess inductance extraction. *Choi, S.C.*, +, *MWSYM 02* 2249-2252 vol.3
- GaAs MESFET MMIC mixers, HIPERLAN appl., low distortion. *Ellinger, F.*, +, *T-MTT Jan 02* 178-182
- implicit space mapping EM-based modeling and design of microwave ccts. *Bandler, J.W.*, +, *MWSYM 02* 713-716 vol.2
- InGaP/GaAs HBT MMIC lin. broadband power amps., optimum bias conditions. *Iwamoto, M.*, +, *MWSYM 02* 901-904 vol.2
- InP DHBT technol. high speed master-slave D-type flip-flop. *Kasbari, A.-E.*, +, *MWSYM 02* 1057-1060 vol.2
- interdigital filters, optim. by CAD applying coupling ident. method. *Saboureaux, C.*, +, *MWSYM 02* 2089-2092 vol.3
- nonuniform transm. lines, wide-band equal-ripple filters. *Da-Chiang Chang*, +, *T-MTT Apr 02* 1114-1119
- planar filter, design optimization. *Peik, S.F.*, +, *MWSYM 02* 1109-1112 vol.2
- planar IC, lumped element, param. extraction, short-open calib. *Lei Zhu*, +, *T-MTT Aug 02* 1861-1869
- power combining scheme, optimum efficiency under variable outputs. *Hang, C.Y.*, +, *MWSYM 02* 913-916 vol.2
- Si bipolar power amp. for 1.8 GHz appls., high perform. *Carrara, F.*, +, *MWSYM 02* 1015-1018 vol.2
- SiGe HBT cascode LNAs, 2-GHz, geom./bias current optim. *Qingqing Liang*, +, *MWSYM 02* 517-520 vol.1
- SiGe HBT cascode LNAs, geom. and bias current optim. *Qingqing Liang*, +, *RFIC 02* 407-410
- Si LDMOS HV RFIC amp. design, robust model extraction. *Pla, J.A.*, +, *RFIC 02* 347-350
- spiral inductor resonator filter design and optim. *Gye-An Lee*, +, *MWSYM 02* 1621-1624 vol.3
- stripline tapped-in ridge waveguide bandpass filter, full-wave optim. *El Sabbagh, M.A.*, +, *MWSYM 02* 1805-1808 vol.3
- TWTA perform. eval./design optim. for multi-level digital commun. appls. *Qiu, J.*, +, *MWSYM 02* 457-460 vol.1

Circuit oscillations

- MM-wave power amp., stabil. *Samoska, L.*, +, *MWSYM 02* 429-432 vol.1
- multistage monolithic microwave power amps., anal. and elim. of parametric oscills. *Anakabe, A.*, +, *MWSYM 02* 2181-2184 vol.3

Circuit reliability

- GaAs PIN diode, high-power limiter cct. *Smith, D.G.*, +, *MWSYM 02* 1245-1247 vol.2
- hot-carrier and soft-breakdown effects on VCO performance. *Enjun Xiao*, +, *T-MTT Nov 02* 2453-2458

Circuit reliability; cf. Integrated circuit reliability**Circuit resonance**

- C nanotube RF reson. cct. sens., gas rem. sens. *Chopra, S.*, +, *MWSYM 02* 639-642 vol.2
- RF and microwave power amps., Class-E parallel cct. *Grebennikov, A.V.*, +, *MWSYM 02* 1627-1630 vol.3

Circuit simulation

- act. nonlin. microwave ccts., finite-element time-domain soln. using PMLs. *Hsiao-Ping Tsai*, +, *T-MTT Oct 02* 2226-2232
- CMOS IC, isolation pockets, full wave anal., EM simul. *Bajon, D.*, +, *MWSYM 02* 987-990 vol.2
- CMOS RF analog cct., param. extraction. *Pengg, F.X.*, *MWSYM 02* 271-274 vol.1
- CMOS VCO RF perform., hot carrier & soft-breakdown effects. *Enjun Xiao*, +, *RFIC 02* 459-462
- constrained EM-based modeling of pass. components, adaptive algm. *Dhaene, T.*, +, *MWSYM 02* 2113-2116 vol.3

CPS resonator modeling, CPS-microstrip transit., bandpass filter appl.

Young-Ho Suh, +, *T-MTT May 02* 1289-1296

defected ground struct. lowpass filter optimiz., equiv. cct./modeling method. *Jun-Seok Park*, +, *MWSYM 02* 417-420 vol.1

EM/cct. co-optim. of lumped component and phys. layout params. using generalized layout components. *Sercu, J.*, +, *MWSYM 02* 2073-2076 vol.3

EM-simulator based param. extraction/optimiz. *Harscher, P.*, +, *MWSYM 02* 1113-1116 vol.2

feedforward amp. for WCDMA base stations with adaptive control method. *Young Yun Woo*, +, *MWSYM 02* 769-772 vol.2

IEEE microwave symposium, conf., Seattle, WA, USA (Jun 02). *MWSYM 02* 3 vol.(lxxxii+xxiii+xxv+2272)

implicit space mapping EM-based modeling and design of microwave ccts. *Bandler, J.W.*, +, *MWSYM 02* 713-716 vol.2

lossy nonuniform transm. lines, modeling by using differential quadrature methods. *Qinwei Xu*, +, *T-MTT Oct 02* 2233-2246

microstrip directional coupler, high-directivity, with feedback compensation. *Jia-Liang Chen*, +, *MWSYM 02* 101-104 vol.1

microstrip line defected ground struct., spiral shape, equiv. cct. modeling. *Chul-Soo Kim*, +, *MWSYM 02* 2125-2128 vol.3

microwave IC modeling using concurrent complementary operators method. *Lan, K.*, +, *MWSYM 02* 887-890 vol.2

microwave/RF education, past/present/future. *Gupta, K.C.*, +, *T-MTT Mar 02* 1006-1014

MMIC act. phase shifter struct., tunable all-pass filter. *Viveiros, D., Jr.*, +, *T-MTT Aug 02* 1885-1889

MMIC anal. problems, method of moments simul., large dense matrices, iter. soln. *Prakash, V.V.S.*, +, *MWSYM 02* 2041-2044 vol.3

multiconductor transm. line, transient simul., structural aspects of model, digital ccts. *Condon, M.*, *MWSYM 02* 2065-2068 vol.3

nonlin. microwave circuit, dynamic neural network model. *Jianjun Xu*, +, *MWSYM 02* 1101-1104 vol.2

photodetector and photomixer ccts., convolution-based global simul. *Ameen, D.B.*, +, *T-MTT Oct 02* 2253-2258

planar ccts./MEMS, time/freq. domain modeling using EM solvers, efficiency comparisons. *Pierantoni, L.*, +, *MWSYM 02* 891-894 vol.2

planar filter, design optimization. *Peik, S.F.*, +, *MWSYM 02* 1109-1112 vol.2

RF cct. simul., modulated sig. *Pedro, J.C.*, +, *MWSYM 02* 2173-2176 vol.3

RF-CMOS, direct param. extraction, non-quasistatic model. *Pengg, F.X.*, *RFIC 02* 355-358

RFIC design, package and bonding wire modeling software and appl. *Goto, K.*, +, *MWSYM 02* 2109-2112 vol.3

SiGe high-speed bipolar ICs, weak substr. coupling meas./simul. *Steiner, W.*, +, *T-MTT Jul 02* 1705-1713

SiGe LNA, 2.1 GHz, simul.-based automatic synthesis. *Gang Zhang*, +, *RFIC 02* 125-128

SiGe quadrature VCO, fully monolithic design, GSM/DCS-PCS appl. *Cordeau, D.*, +, *RFIC 02* 455-458

simul./stabil. test accel. using symm. device. *Ramberger, S.*, +, *MWSYM 02* 967-970 vol.2

spatial power combining MMIC array, global coupled EM-elec.-thermal simul. *Batty, W.*, +, *MWSYM 02* 2177-2180 vol.3

TW electroabsorption modulator, cct. model. *Jiyoun Lim*, +, *MWSYM 02* 1707-1710 vol.3

universal parameterized nonlin. device model formulation for microwave cct. simul. *Christoffersen, C.E.*, +, *MWSYM 02* 2189-2192 vol.3

variable order analog freq. divider design, nonlin. dyn. concepts. *Ramirez, F.*, +, *MWSYM 02* 127-130 vol.1

wide-band electronically tunable combline filter design. *Torregrosa-Penalva, G.*, +, *T-MTT Jan 02* 172-177

Circuit stability

conductor-backed coplanar ccts., use of vias in CPW ground planes. *Haydl, W.H.*, *T-MTT Jun 02* 1571-1577

GaAs 2-bit ADC ICs for radio astron. appls. *Okiura, M.*, +, *MWSYM 02* 485-488 vol.1

MM-wave power amp., stabil. *Samoska, L.*, +, *MWSYM 02* 429-432 vol.1

multistage monolithic microwave power amps., anal. and elim. of parametric oscills. *Anakabe, A.*, +, *MWSYM 02* 2181-2184 vol.3

power-combining grid oscillator arrays, freq. stabilization. *Wenzhang Wang*, +, *T-MTT May 02* 1400-1407

simul./stabil. test accel. using symm. device. *Ramberger, S.*, +, *MWSYM 02* 967-970 vol.2

stable act. impedance inverter, anal. and appl. to bandpass filter design. *Young-Hoon Chun*, +, *MWSYM 02* 1911-1914 vol.3

tile-based spatial power-combining array power amp., bandwidth improve. *Ai-Zayed, A.*, +, *MWSYM 02* 1313-1316 vol.2

time-delayed PLL model, crit. & optimal gain, stabil. changes. *Buckwalter, J.*, +, *RFIC 02* 181-184

Circuit testing

feedforward amp. for WCDMA base stations with adaptive control method. *Young Yun Woo*, +, *MWSYM 02* 769-772 vol.2

- microstrip directional coupler, high-directivity, with feedback compensation. *Jia-Liang Chen*, +, *MWSYM* 02 101-104 vol.1
- RF mixers, vector charactn./test syst. vector error correction method. *Dunsmore, J.*, *MWSYM* 02 1833-1836 vol.3
- simul./stabil. test accel. using symm. device. *Ramberger, S.*, +, *MWSYM* 02 967-970 vol.2
- Circuit testing; cf.** Integrated circuit testing
- Circuit theory; cf.** Network analysis; Network parameters; Network synthesis; Network topology
- Circuit tuning**
- act. MMIC filter for on-chip X-band radar receiver front-ends. *Malmqvist, R.*, +, *MWSYM* 02 1907-1910 vol.3
- BaSrTiO₃/sapphire refl.-type phase shifter, monolithic, using CPW Lange coupler. *Dongsu Kim*, +, *MWSYM* 02 1471-1474 vol.3
- bond-wire inductor-MOS varactor VCO, 1.8-2.4 GHz tunable. *Svelto, F.*, +, *T-MTT Jan* 02 403-407
- cascaded coupled resonator filters, computer-aided diagnosis and tuning. *Heng-Tung Hsu*, +, *T-MTT Apr* 02 1137-1145
- CMOS fast-switching freq. synthesizer. *Xiaomin Yang*, +, *MWSYM* 02 589-592 vol.1
- CMOS gain controllable LNAs, 8-9 GHz wireless appls., very LV circuitry. *Tsang, T.K.K.*, +, *RFIC* 02 205-208
- CMOS LC-resonator quadrature VCO, low power, 2.45 GHz, tuning. *Leenaerts, D.*, +, *RFIC* 02 67-70
- CMOS LC VCO, WLAN appls. *Bhattacharjee, J.*, +, *MWSYM* 02 585-588 vol.1
- CMOS PLL-based freq. synthesizer for WLAN appls. *Xiaomin Yang*, +, *RFIC* 02 479-482
- CMOS quadrature VCO with symm. spiral inductors and differential varactors, 2.4 GHz. *Baoyong Chi*, +, *MWSYM* 02 561-564 vol.1
- CMOS VCO, hot carriers and soft breakdown. *Xiao, E.*, +, *MWSYM* 02 569-572 vol.1
- differentially-tuned CMOS LC VCO for 10 Gbit/s clock-and-data-recovery ccts. *Mukherjee, D.*, +, *MWSYM* 02 707-710 vol.2
- differentially-tuned VCO in SOI CMOS, 1 V, 3.8-5.7 GHz, design. *Fong, N.*, +, *RFIC* 02 75-78
- GaAs HBT operating as integrated V- to W-band Gunn oscillator. *Rudolph, M.*, +, *MWSYM* 02 1737-1740 vol.3
- Gunn diode based surface mount 77-GHz VCO for automotive radar appls. *Priestley, N.*, +, *MWSYM* 02 1863-1866 vol.3
- InP HBT VCO IC for OC-768 fiber optic commun. appls. *Liyang Zhang*, +, *RFIC* 02 85-88
- microwave ccts., piezoelec.-transducer-controlled. *Tae-yeoul Yun*, +, *T-MTT May* 02 1303-1310
- microwave filters, computer-aided tuning using fuzzy logic. *Mirafatab, V.*, +, *MWSYM* 02 1117-1120 vol.2
- MMIC act. phase shifter struct., tunable all-pass filter. *Viveiros, D., Jr.*, +, *T-MTT Aug* 02 1885-1889
- narrow band waveguide filter CAD, EM segmentation method. *Bariant, D.*, +, *MWSYM* 02 979-982 vol.2
- power amp., harmonic tuning, design criteria. *Colantonio, P.*, +, *MWSYM* 02 1639-1642 vol.3
- power-combining grid oscillator arrays, freq. stabilization. *Wenzhang Wang*, +, *T-MTT May* 02 1400-1407
- RF and microwave power amps., Class-E parallel cct. *Grebennikov, A.V.*, +, *MWSYM* 02 1627-1630 vol.3
- RFIC pass. devices develop., VCO simul., cct. perform. *Coolbaugh, D.*, +, *RFIC* 02 341-344
- SiGe 20-GHz VCO and freq. divider, varactor-tuned LC-type oscillator, radar transmitter. *Ettinger, K.*, +, *MWSYM* 02 835-838 vol.2
- SiGe BiCMOS octave tunable RC-ring oscillator for fiber optic transceivers. *Sanduleanu, M.A.T.*, +, *RFIC* 02 435-438
- SiGe BiCMOS RC-ring oscillator, fiber optic transceiver. *Sanduleanu, M.A.T.*, +, *MWSYM* 02 545-548 vol.1
- SiGe HBT dual-VCO, cable modem receiver. *Stadius, K.*, +, *RFIC* 02 471-474
- SiGe HBT wide-tuning-range dual-VCOs for cable modem receivers. *Stadius, K.*, +, *MWSYM* 02 581-584 vol.1
- SiGe quadrature VCO, fully monolithic design, GSM/DCS-PCS appl. *Cordeau, D.*, +, *RFIC* 02 455-458
- SiGe quadrature VCO, GSM/DCS-PCS appls. *Cordeau, D.*, +, *MWSYM* 02 565-568 vol.1
- stepped impedance resonator bandpass filters, tunable transm. zeros. *Jen-Tsai Kuo*, +, *MWSYM* 02 1613-1616 vol.3
- symmetric coupled-resonator filters, param. extraction procedure. *Heng-Tung Hsu*, +, *MWSYM* 02 1445-1448 vol.3
- ultra low-power VCO based on InP HEMT and heterojn. interband tunnel diode for wireless appl. *Cidronali, A.*, +, *MWSYM* 02 43-47 vol.1
- wide-band electronically tunable combine filter design. *Torregrosa-Penalva, G.*, +, *T-MTT Jan* 02 172-177
- YBaCuO HTSC microwave filters, tuning by laser trimming. *Parker, N.J.*, +, *MWSYM* 02 1971-1974 vol.3
- Circular waveguides**
- circ.-to-rect. waveguide T-jn., dual-mode filter design. *Ke-Li Wu*, +, *T-MTT Feb* 02 465-473
- cylindrical transm. line, magnetized ferrite substr., dispersion anal. *Dib, N.*, +, *T-MTT Jul* 02 1730-1736
- dyadic Green's fn. of multilayer cylindrical closed and sector structures for waveguide, microstrip-antenna, and network anal. *Thiel, M.*, +, *T-MTT Nov* 02 2576-2579
- flexible circ. dielec. waveguides, Q-band dielec./radiation loss meas. *Ki Young Kim*, +, *MWSYM* 02 1149-1152 vol.2
- mono-grooved circ. waveguide polarizers, mode-matching techs., W-band. *Yoneda, N.*, +, *MWSYM* 02 821-824 vol.2
- overmoded circ. waveguides, lossy-wall, mode coupling. *Shafii, J.*, +, *T-MTT May* 02 1361-1369
- polarizers with ellipt. irises, full-wave design & optim. *Bertin, G.*, +, *T-MTT Apr* 02 1077-1083
- quasi-opt. mode converter, reflector cell, vector diffr. theory, GO. *Shiwen Yang*, +, *T-MTT Jul* 02 1849-1852
- Circulators**
- microstrip and stripline ferrite-coupled-line (FCL) circulators. *Queck, C.K.*, +, *T-MTT Dec* 02 2910-2917
- Circulators; cf.** Ferrite circulators; Microwave circulators; Millimeter wave circulators; Optical circulators
- Clocks**
- InP HEMT DEMUX IC, data and clock distrib., SCFL. *Kano, H.*, +, *MWSYM* 02 75-78 vol.1
- Clutter; cf.** Radar clutter
- CMOS analog integrated circuits**
- 2.4-GHz/5-GHz LNA, high-resist. ELTRAN SOI-Epi wafers. *Kodate, J.*, +, *MWSYM* 02 1419-1422 vol.3
- Bluetooth 6.5-mW receiver front-end in 0.18- m CMOS. *Beffa, F.*, +, *RFIC* 02 391-394
- Bluetooth low-IF receiver front-end, CMOS chip. *Beffa, F.*, +, *MWSYM* 02 501-504 vol.1
- bond-wire inductor-MOS varactor VCO, 1.8-2.4 GHz tunable. *Svelto, F.*, +, *T-MTT Jan* 02 403-407
- CMOS dual-band freq. synthesizer, 2.3/4.6 GHz, wireless appls. *Wei-Zen Chen*, +, *RFIC* 02 169-172
- CMOS LC-resonator quadrature VCO, low power, 2.45 GHz, tuning. *Leenaerts, D.*, +, *RFIC* 02 67-70
- CMOS PLL based freq. synthesizer, ring-type VCO, GSM appls. *Ali, S.*, +, *RFIC* 02 173-176
- CMOS power amp., digital adaptive predistortion, cellular phone. *Kusunoki, S.*, +, *MWSYM* 02 765-768 vol.2
- CMOS quadrature VCO, 2.4 GHz, spiral inductors & differential varactors. *Baoyong Chi*, +, *RFIC* 02 451-454
- CMOS RFICs, ESD protection, parasitic effects. *Ke Gong*, +, *T-MTT Jan* 02 393-402
- CMOS transceiver chip components for 802.11b WLAN appl. *O, K.K.*, +, *RFIC* 02 103-106
- CMOS transmit/receive IF chip-set for WCDMA mobiles. *Dasgupta, U.*, +, *RFIC* 02 195-198
- CMOS VCO RF perform., hot carrier & soft-breakdown effects. *Enjun Xiao*, +, *RFIC* 02 459-462
- concurrent multiband LNAs, theory, design, and radio receiver appl. *Hashemi, H.*, +, *T-MTT Jan* 02 288-301
- differentially-tuned VCO in SOI CMOS, 1 V, 3.8-5.7 GHz, design. *Fong, N.*, +, *RFIC* 02 75-78
- distributed act. transformer, power-combining and imped. transform. tech., CMOS power amp. appl. *Aoki, I.*, +, *T-MTT Jan* 02 316-331
- distributed reg., pass.-free input driver. *Stengel, B.*, +, *RFIC* 02 257-260
- dyn.-loading regenerative freq. doubler. *Wong, J.M.C.*, +, *MWSYM* 02 573-576 vol.1
- fast-switching freq. synthesizer. *Xiaomin Yang*, +, *MWSYM* 02 589-592 vol.1
- front-end CMOS chipset for 10 Gbit/s opt. commun. *Petersen, A.K.*, +, *RFIC* 02 93-96
- gain controllable LNAs, 8-9 GHz wireless appls., very LV circuitry. *Tsang, T.K.K.*, +, *RFIC* 02 205-208
- LC VCO, low power cct., WLAN appl. *Bhattacharjee, J.*, +, *RFIC* 02 475-478
- LC VCO, WLAN appls. *Bhattacharjee, J.*, +, *MWSYM* 02 585-588 vol.1
- multi-layer transformer balun for Si RFIC, LNA appl. *Yang, H.Y.D.*, +, *RFIC* 02 491-494
- PCS/IMT-2000 2-GHz RF frontend transceiver chipset, CMOS technol. *Yong-Sik Youn*, +, *RFIC* 02 271-274
- PLL-based freq. synthesizer for WLAN appls. *Xiaomin Yang*, +, *RFIC* 02 479-482
- quadrature oscillator, 900 MHz, low phase noise design. *Cabanillas, J.*, +, *RFIC* 02 63-66
- quadrature VCO with symm. spiral inductors and differential varactors, 2.4 GHz. *Baoyong Chi*, +, *MWSYM* 02 561-564 vol.1
- RF analog cct., param. extraction. *Pengg, F.X.*, *MWSYM* 02 271-274 vol.1

- RF-CMOS, direct param. extraction, non- quasistatic model. *Pengg, F.X., RFIC 02 355-358*
- RF down-conversion mixer, soft breakdown and hot carrier reliab., redesign strategies. *Qiang Li, +, RFIC 02 399-402*
- RFIC, ESD protection device, Bluetooth transceiver LNA. *Higashi, K., +, RFIC 02 285-288*
- RFIC, lin. anal., transconductance & output conductance. *Sanghoon Kang, +, RFIC 02 363-366*
- RF mixer, soft breakdown/hot-carrier reliab., redesign. *Qiang Li, +, MWSYM 02 509-512 vol.1*
- SOI CMOS tuned low-noise amp., 23.8 GHz, three-stage design. *Floyd, B.A., +, T-MTT Sep 02 2193-2196*
- super compact RFIC inductors in 0.18 m CMOS, all-copper interconnects. *Feng, H., +, RFIC 02 443-446*
- transceiver for digital narrowband cordless syst., std. IF or low IF RX. *Jerng, A., +, RFIC 02 111-114*
- transmit/receive IF chip set for WCDMA mobiles in 0.35- m CMOS. *Dasgupta, U., +, T-MTT Nov 02 2443-2452*
- VCO, hot carriers and soft breakdown. *Xiao, E., +, MWSYM 02 569-572 vol.1*
- WLAN 5.8-GHz two-stage high-lin. LV LNA, 0.35- m CMOS technol. *Ren-Chieh Liu, +, RFIC 02 221-224*
- CMOS digital integrated circuits**
- 900-MHz RF receiver with HBM ESD robustness, ESD protection design. *Ming-Dou Ker, +, MWSYM 02 537-540 vol.1*
- CMOS UTSi SOI proc. high speed digital PLL, low power design. *Wu, G.C., +, RFIC 02 165-168*
- MSM5100 cdma2000+AMPS+gpsOne+Bluetooth multimode ASIC, 3G handset. *Butler, B.K., +, RFIC 02 186A-186F*
- regenerative freq. doubler, dyn.-loading tech., 4-GHz. *Wong, J.M.C., +, RFIC 02 463-466*
- RF-interconnect for multi-Gb/s digital interface based on 10 GHz RF-modulation in 0.18 m CMOS. *Hyunchol Shin, +, MWSYM 02 477-480 vol.1*
- CMOS digital integrated circuits; cf. CMOS logic circuits**
- CMOS integrated circuits**
- 2002 IEEE Radio Frequency Integrated Circuit (RFIC) Symposium. *Lloyd, S., T-MTT Nov 02 2421*
- 2002 IEEE Radio Frequency Integrated Circuit (RFIC) Symposium (special issue). *T-MTT Nov 02 2421-2479*
- 5-GHz CMOS WLAN stds. & receiver implement. *Lee, T.H., +, T-MTT Jan 02 268-280*
- act. microwave cct. design, small-sig. substr. resist. effect modeling. *Yo-Sheng Lin, +, RFIC 02 315-318*
- Bluetooth receiver IC, 3 V, develop. and implement. *Wenjun Sheng, +, RFIC 02 107-110*
- Bluetooth transceiver IC, Cu RF pass. components. *My The Doan, +, MWSYM 02 525-528 vol.1*
- Bluetooth transceiver IC with Cu RF pass., fab. and perform. *Doan, M.T., +, RFIC 02 415-418*
- cellular RF transceiver front-end, CMOS use, LV low power design. *Steyaert, M.S.J., +, T-MTT Jan 02 281-287*
- CMOS image-reject mixer, Bluetooth receiver. *Khannur, P.B., +, MWSYM 02 549-552 vol.1*
- CMOS RF ccts., EM coupling. *Adan, A.O., +, RFIC 02 293-296*
- Cu high-Q inductors on std. Si substr. with low-k BCB dielec. layer. *Xiao Huo, +, RFIC 02 403-406*
- DCS 1800 base station receiver integrated in 0.25 m CMOS. *Boric-Lubecke, O., +, MWSYM 02 1049-1052 vol.2*
- differentially-tuned CMOS LC VCO for 10 Gbit/s clock-and-data-recovery ccts. *Mukherjee, D., +, MWSYM 02 707-710 vol.2*
- ESD protection of RF ccts. in std. CMOS proc. *Higashi, K., +, MWSYM 02 31-34 vol.1*
- fully-differential image-reject mixer, Bluetooth receiver. *Khannur, P.B., +, RFIC 02 439-442*
- integrated power transistor in 0.18- m CMOS technology for RF system-on-chip applications. *Hsu, H.-M., +, T-MTT Dec 02 2873-2881*
- interconnections anal. combining LE-FDTD method and SOC procedure. *Alimenti, F., +, MWSYM 02 879-881 vol.2*
- isolation pockets, full wave anal., EM simul. *Bajon, D., +, MWSYM 02 987-990 vol.2*
- lin. anal., RF appl. *Sanghoon Kang, +, MWSYM 02 279-283 vol.1*
- microstrip transm. line struct., eddy current suppression. *Peter, M., +, MWSYM 02 2001-2004 vol.3*
- MOSFET model for RFIC design valid in all regions of operation. *Enz, C., T-MTT Jan 02 342-359*
- on-chip spiral inductor, substr. coupling effects, RFIC. *Chuan-Jane Chao, +, RFIC 02 311-314*
- RF CMOS, S-param. kink phenom., small-sig. substr. resist. effect. *Yo-Sheng Lin, +, MWSYM 02 161-164 vol.1*
- RF front-end transceiver chipset, 2 GHz, PCS and IMT-2000 appls. *Yong-Sik Youn, +, MWSYM 02 17-20 vol.1*
- RFIC CAD, gate capacitance models smoothing. *Dobes, J., RFIC 02 495-498*
- RFIC, copper interconnects, super compact inductor. *Feng, H., +, MWSYM 02 553-556 vol.1*
- RFIC/microwave IC CAD, smoothing gate capacitance models. *Dobes, J., MWSYM 02 605-608 vol.1*
- RFIC/MMIC, bonding pad, depletion-insulation struct. *Sang Lam, +, RFIC 02 677-680 vol.2*
- RFICs, EM isolation and coupling characts. for crosstalk suppress. *Adan, A.O., +, MWSYM 02 39-42 vol.1*
- RFIC, spiral inductor, wideband compact model. *Melendy, D., +, MWSYM 02 717-720 vol.2*
- RFIC, submicron technol., spiral inductor, dummy pattern. *Jae-Hong Chang, +, MWSYM 02 529-532 vol.1*
- RF power MOS, single chip technol. *Heng-Ming Hsu, +, MWSYM 02 1027-1030 vol.2*
- RF receiver, 900 MHz, ESD protection design. *Ming-Dou Ker, +, RFIC 02 427-430*
- RF-SoC technol., expectations/required conditions. *Matsuzawa, A., T-MTT Jan 02 245-253*
- series MEMS switch compatible with CMOS technol, design and fab. *Yongming Cai, +, MWSYM 02 1221-1224 vol.2*
- silicon-based RF and microwave integrated circuits (special issue). *T-MTT Jan 02 233-410*
- silicon-based RF and microwave integrated circuits (special issue intro.). *Hajimiri, A., +, T-MTT Jan 02 233-234*
- Si, porous CPW interconnects, porosity effects. *Itotia, I.K., +, MWSYM 02 681-684 vol.2*
- Si RF integrat., develop. of technols. and design techs. *Sevenhans, J., +, T-MTT Jan 02 235-244*
- SOI based MMICs for C-band WLAN appls. *Pinel, S., +, MWSYM 02 1053-1056 vol.2*
- spiral inductors for submicron CMOS RFICs, effects of dummy patterns and substr. *Jae-Hong Chang, +, RFIC 02 419-422*
- spiral inductors in bulk CMOS, design, 6-layer Cu interconnects. *Kuhn, W.B., +, RFIC 02 385-388*
- spiral inductors in deep-sub- m bulk CMOS with Cu interconnects, design considerations. *Kuhn, W.B., +, MWSYM 02 301-305 vol.1*
- symm. octagonal inductor, substr. parasitics calc. *Tatinian, W., +, MWSYM 02 165-169 vol.1*
- W-CDMA mobile radio terminals, highly integrated RFICs, review. *Springer, A., +, T-MTT Jan 02 254-267*
- CMOS integrated circuits; cf. CMOS analog integrated circuits; CMOS digital integrated circuits**
- CMOS logic circuits**
- CMOS static 2:1 freq. divider, high input sensitivity. *Wohlmuth, H.-D., +, RFIC 02 231-234*
- Coating techniques**
- wide-band reflection-type phase shifter at S-band using BST coated substrate. *Kim, D., +, T-MTT Dec 02 2903-2909*
- Coaxial cables**
- air gap transm. lines for mm-wave appls., high perform. *Inho Jeong, +, MWSYM 02 661-664 vol.2*
- bandpass filter, saucer-loaded stepped-impedance resonator. *Uchida, H., +, MWSYM 02 1785-1787 vol.3*
- conformal-mapping design tools for cables with complex cross sect. *Teppati, V., +, T-MTT Oct 02 2339-2345*
- in-line coaxial-to-waveguide adapters, propag. modes, equiv. cct. *Levy, R., +, MWSYM 02 809-811 vol.2*
- Coaxial waveguides**
- chirowaveguides, 2D and 3D discontinuities study. *Wu, T.X., +, T-MTT Oct 02 2320-2330*
- confocal annular ellipt. waveguides & resonators, atten. characts. *Gutierrez-Vega, J.C., +, T-MTT Apr 02 1095-1100*
- conformal-mapping design tools for waveguides with complex cross sect. *Teppati, V., +, T-MTT Oct 02 2339-2345*
- helical-groove slow-wave struct., dispersion eqn. and coupling impedance. *Guofen Yu, +, T-MTT Jan 02 191-200*
- MM-wave perp. coax-to-microstrip right-angle transit. *Morgan, M., +, MWSYM 02 817-820 vol.2*
- multioctave spatial power combining in oversized coaxial waveguide. *Pengcheng Jia, +, T-MTT May 02 1355-1360*
- parallel-plate dielec. waveguide, excitation by coaxial probe study. *Kwan, G.K.C., +, T-MTT Jun 02 1609-1620*
- Cobalt alloys**
- Co₈₅Nb₁₅Zr₃ film, ferromag. RF integrated inductor. *Yarnaguchi, M., +, MWSYM 02 197-200 vol.1*
- Code division multiple access**
- 3G mobiles, reconfigurable highly-integrated receiver archit. *Minnis, B., +, RFIC 02 187-190*
- 3G UMTS/WCDMA handset RF subsyst., BiCMOS chipset. *Brunel, D., +, RFIC 02 191-194*
- CDMA syst., high power amp. *Kim, T.H., +, MWSYM 02 437-440 vol.1*

- CMOS power amp., digital adaptive predistortion, cellular phone. *Kusunoki, S.*, +, *MWSYM* 02 765-768 vol.2
- CMOS transmit/receive IF chip-set for WCDMA mobiles. *Dasgupta, U.*, +, *RFIC* 02 195-198
- direct conversion radio for digital mobile phones; design issues, status, and trends. *Loke, A.*, +, *T-MTT* Nov 02 2422-2435
- DS-SS commun. for multipath channels. *Pursley, M.B.*, *T-MTT* Mar 02 653-661
- feedforward amp. for WCDMA base stations with adaptive control method. *Young Yun Woo*, +, *MWSYM* 02 769-772 vol.2
- InGaP PHEMTs for 3.5 GHz W-CDMA appls. *Lan, E.*, +, *MWSYM* 02 1039-1042 vol.2
- interact. of multiple sigs. in nonlin. RF systs., stat. modeling. *Gharaibeh, K.M.*, +, *MWSYM* 02 143-147 vol.1
- LDMOS power amp., ultra-lin. sq.-law approx. *van der Heijden, M.P.*, +, *T-MTT* Sep 02 2176-2184
- mobile handset transmitter unit, high-efficiency lin. power amps. *Staudinger, J.*, *RFIC* 02 45-48
- MSM5100 cdma2000+AMPS+gpsOne+Bluetooth multimode ASIC, 3G handset. *Butler, B.K.*, +, *RFIC* 02 186A-186F
- opt. commun. sigs., security syst. with fiber Bragg gratings. *Torres, P.*, +, *T-MTT* Jan 02 13-16
- PHEMT LNA, enhancement mode, lin. control, logic controllable bypass-mitigated switch. *Kumar, S.*, +, *RFIC* 02 213-216
- power-amplifier module with digital adaptive predistortion for cellular phones. *Kusunoki, S.*, +, *T-MTT* Dec 02 2979-2986
- predistortion lin., LF even-order intermodulation components. *Youngoo Yang*, +, *T-MTT* Feb 02 446-452
- receiver, adaptive antenna array, LO phase noise. *Slade, G.W.*, *MWSYM* 02 1353-1356 vol.2
- RF power amps. with memory effects, behavioral model, two-tone meas. *Hyunchul Ku*, +, *MWSYM* 02 139-142 vol.1
- SiGe BiCMOS direct-conversion W-CDMA front-end receiver chip. *Lie, D.Y.C.*, +, *RFIC* 02 31-34
- SiGe BiCMOS LNA & mixer, high lin., cellular CDMA/AMPS appl. *Aparin, V.*, +, *RFIC* 02 129-132
- SiGe BiCMOS transmitter IC, CDMA wireless handset. *Reddy, M.*, +, *RFIC* 02 35-38
- SiGe BiCMOS TX-IC, W-CDMA mobile terminal. *Joba, H.*, +, *RFIC* 02 27-30
- SiGe MMIC receiver, even harmonic type, W-CDMA mobile terminals. *Taniguchi, E.*, +, *RFIC* 02 133-136
- transmit/receive IF chip set for WCDMA mobiles in 0.35- m CMOS. *Dasgupta, U.*, +, *T-MTT* Nov 02 2443-2452
- WCDMA and CDMA power amps., efficiency. *Fowler, T.*, +, *RFIC* 02 41-44
- W-CDMA base-station power amp., adaptive digital predistortion. *Potter, C.*, *RFIC* 02 275-278
- W-CDMA base-station power amp. using adaptive digital predistort., syst. anal. *Potter, C.*, *MWSYM* 02 21-25 vol.1
- W-CDMA mobile radio terminals, highly integrated RFICs, review. *Springer, A.*, +, *T-MTT* Jan 02 254-267
- W-CDMA mobile terminal, integrated even harmonic type direct conversion receiver. *Itoh, K.*, +, *RFIC* 02 263-266
- W-CDMA mobile terminals, integrated even harmonic type direct conversion receiver. *Itoh, K.*, +, *MWSYM* 02 9-12 vol.1
- WCDMA sig. modulation, lin. method. *Youngoo Yang*, +, *MWSYM* 02 777-780 vol.2
- W-CDMA terminals, HBT power amp., const. voltage / const. current parallel operation. *Shinjo, S.*, +, *RFIC* 02 249-252
- Coils**
Si based monolithic integrated transformers, substr. RF losses. *Ng, K.T.*, +, *T-MTT* Jan 02 377-383
- Collision processes; cf.** Impact ionization
- Comb filters**
dual-plane comb-line filter having plural atten. poles, FDTD simul. method. *Kitamura, T.*, +, *T-MTT* Apr 02 1216-1219
- EM based optim. of advanced waffle-iron and rect. combline filters, CAD method. *Arndt, F.*, +, *MWSYM* 02 2053-2056 vol.3
- microstrip filters using folded qtr.-wave resonators. *Chi-Yang Chang*, +, *MWSYM* 02 1609-1612 vol.3
- narrow-band band-pass microstrip filters with zig-zag hairpin-comb resonators. *Matthaei, G.L.*, *MWSYM* 02 1931-1934 vol.3
- wide-band electronically tunable combline filter design. *Torregrosa-Penalva, G.*, +, *T-MTT* Jan 02 172-177
- Compensation**
broadband flip-chip transit. design, locally matching tech. *Chun-Long Wang*, +, *MWSYM* 02 1397-1400 vol.3
- CMOS image-reject mixer, Bluetooth receiver. *Khannur, P.B.*, +, *MWSYM* 02 549-552 vol.1
- dielec. resonator unloaded Q-factor meas. by transm./refl. mode methods using S-param. circle fitting. *Leong, K.*, +, *MWSYM* 02 1665-1668 vol.3
- GaAs MESFET digital attenuator MMIC, excess inductance extraction. *Choi, S.C.*, +, *MWSYM* 02 2249-2252 vol.3
- image rejection/spurious rejection mixers using digital compensation, archit./algm. *Youngjin Kim*, +, *MWSYM* 02 799-802 vol.2
- I-Q vector modulator with FET parasitics compensation. *Chongcheawchamnan, M.*, +, *T-MTT* Jun 02 1642-1646
- K-band beam-steering quasi-Yagi array, mixing freq. compensation. *Nishio, T.*, +, *MWSYM* 02 1345-1348 vol.2
- Ku-band MMIC LNA with bias cct. for temp. depend. and proc. var. compensation. *Yamanaka, K.*, +, *MWSYM* 02 1427-1430 vol.3
- manifold MUX design, appl. of spurious mode compensation tech. *Bariant, D.*, +, *MWSYM* 02 1461-1464 vol.3
- microstrip directional coupler, high-directivity, with feedback compensation. *Jia-Liang Chen*, +, *MWSYM* 02 101-104 vol.1
- planar Marchand balun, capacitively-compensated, anal./design. *Ng, C.Y.*, +, *MWSYM* 02 113-116 vol.1
- predistortion cct. design for 2nd- and 3rd-order lin. in laser-based radio-over-fiber systs. *Roselli, L.*, +, *MWSYM* 02 1711-1714 vol.3
- unapodized chirped fiber Bragg gratings, dispersion compensation in long-haul transm. systs. *Rocha, M.L.*, +, *T-MTT* Jan 02 88-93
- Compensation; cf.** Error compensation
- Composite materials**
ferromag. composite, mag. tunable microwave device. *Salahun, E.*, +, *MWSYM* 02 1185-1188 vol.2
- two-phase periodic composite material, particle shape effects on effective permitt., meas. *Whites, K.W.*, +, *T-MTT* Jul 02 1723-1729
- Composite materials; cf.** Concrete
- Computational complexity**
microwave device optim., EM scatt., 2D p-adaptive FEM. *Gavrilovic, M.M.*, +, *T-MTT* Aug 02 1901-1911
- microwave line-segment ccts., evol. generation by GA. *Nishino, T.*, +, *T-MTT* Sep 02 2048-2055
- planar RF/microwave ICs, EM model, integral eqn. *Okhmatovski, V.I.*, +, *MWSYM* 02 1897-1900 vol.3
- Computer aided analysis; cf.** Circuit analysis computing; Digital simulation
- Computer aided engineering**
RF/microwave ccts./systs., CAD/CAE. *Steer, M.B.*, +, *T-MTT* Mar 02 996-1005
- Computer aided instruction**
EM/microwave education, technol.-based. *Iskander, M.F.*, *T-MTT* Mar 02 1015-1020
- microwave/RF education, past/present/future. *Gupta, K.C.*, +, *T-MTT* Mar 02 1006-1014
- Computer animation**
EM/microwave education, technol.-based. *Iskander, M.F.*, *T-MTT* Mar 02 1015-1020
- Computer applications; cf.** CAD; Computerized instrumentation; Medical computing
- Computer-generated holography**
beam shaping of radiowaves using holograms, CATR appl. *Meltaus, J.*, +, *MWSYM* 02 1305-1308 vol.2
- Computer graphics; cf.** Antialiasing; Computer animation
- Computerized instrumentation**
six-port reflectometers self-calib., act. loads synthesis, autom. method. *Yakabe, T.*, +, *T-MTT* Apr 02 1237-1239
- Computerized instrumentation; cf.** Automatic test equipment; Virtual instrumentation
- Computer networks; cf.** Metropolitan area networks
- Computer peripheral equipment; cf.** Data communication equipment
- Computer software; cf.** Subroutines
- Concrete**
concrete struct., damage detect., microwave refl. tomography array. *Yoo Jin Kim*, +, *MWSYM* 02 651-654 vol.2
- Conducting bodies**
charged plate, capacitance, MoM matrix elements. *Jen-Tsai Kuo*, +, *T-MTT* May 02 1435-1436
- multilayer conductor, surface impedance, FDTD model. *Thiel, W.*, +, *MWSYM* 02 759-762 vol.2
- wideband EM response through Laguerre expansion using early-time and LF data. *Sarakr, T.K.*, +, *T-MTT* May 02 1408-1416
- Conducting materials**
ADI-FDTD simul. at RF/microwave freqs. *Chenghao Yuan*, +, *MWSYM* 02 1135-1138 vol.2
- Conductors (electric)**
sintered conductor and dielec. substr. interface, effective cond. meas., microwave freqs. *Nakayama, A.*, +, *T-MTT* Jul 02 1665-1674
- Conductors (electric); cf.** Conducting bodies; Wires (electric)
- Confined flow; cf.** Channel flow
- Conjugate gradient methods**
act. microwave imaging, 2D forward and inverse scatt. methods, breast tumor detect. appl. *Qing Huo Liu*, +, *T-MTT* Jan 02 123-133
- electronic packaging structs., vert. via coupling, differential signaling. *Houfei Chen*, +, *MWSYM* 02 983-986 vol.2
- EM field BVP, symmetric successive overrelaxation preconditioning conjug.-gradient method. *Ru-Shan Chen*, +, *T-MTT* Apr 02 1165-1172

Constant current sources

CMOS PLL based freq. synthesizer, ring-type VCO, GSM appls. *Ali, S., +, RFIC 02 173-176*

Contact resistance

MEMS switch for microwave appls., low contact resist. design. *Peroulis, D., +, MWSYM 02 223-226 vol.1*

Continuing education

wireless professionals, microwave indust. outlook, manpower shortage, engng. education. *Besser, L., T-MTT Mar 02 1042-1043*

Control systems; cf. Reduced order systems**Control theory; cf.** Adaptive control; Compensation; Proportional control**Convergence**

2D photonic crysts. excited by line source, phased-array method to determ. Green's fns. *Caloz, C., +, T-MTT May 02 1380-1391*
microstrip substr., 2D Green's fns., Berenger/leaky modes series. *Rogier, H., +, T-MTT Jul 02 1696-1704*
ridge waveguide, dispersion rel. anal. using overlapping T-blocks. *Cho, Y.H., +, T-MTT Oct 02 2368-2373*

Convergence; cf. Convergence of numerical methods**Convergence of numerical methods**

3D multilayer microstrip antennas and ccts., EM modeling. *Feng Ling, +, T-MTT Jun 02 1628-1635*
charged plate, capacitance, MoM matrix elements. *Jen-Tsai Kuo, +, T-MTT May 02 1435-1436*
hierarchical multilevel pot. preconditioner for fast FEM. *Yu Zhu, +, T-MTT Aug 02 1984-1989*
MIS interconnect, wave propag., device-level simul. *Gaofeng Wang, +, T-MTT Apr 02 1127-1136*
RF power amp. lin., adaptive predistortion feedback path, anti-aliasing filter effects. *Weiyun Shan, +, MWSYM 02 469-472 vol.1*
shielded planar struct., summation-by-parts algm., convergence accel. *Mosig, J.R., +, T-MTT Jan 02 215-218*

Convergence of numerical methods; cf. Numerical stability**Converters; cf.** Driver circuits; Impedance converters**Convolution**

multilayer conductor, surface impedance, FDTD model. *Thiel, W., +, MWSYM 02 759-762 vol.2*
photodetector and photomixer ccts., convolution-based global simul. *Ameen, D.B., +, T-MTT Oct 02 2253-2258*
planar anisotropic layered printed struct., react. integrals in EFIE anal. *Mesa, F., +, T-MTT Sep 02 2142-2146*

Cooling

microwave HTSC technol., appls. overview. *Mansour, R.R., T-MTT Mar 02 750-759*
quasi-opt. amp. array, high-power Ka-band operation. *Ortiz, S.C., +, T-MTT Feb 02 487-494*

Coplanar transmission lines

60-GHz uniplanar MMIC 4 x subharmonic mixer. *Chapman, M.W., +, T-MTT Nov 02 2580-2588*
circ. polarized rectifying antenna array, wireless microwave power transm. *Strassner, B., +, MWSYM 02 1535-1538 vol.3*
CPS resonator modeling, CPS-microstrip transit., bandpass filter appl. *Young-Ho Suh, +, T-MTT May 02 1289-1296*
ferroelec. thin-film devices, anisotropic permitt./atten. from propag. consts., full-wave Green's fn. solver. *Krowne, C.M., +, T-MTT Feb 02 537-548*
field-extracted lumped-element models of CPS ccts. and discontinuities, RF design. *Lei Zhu, +, T-MTT Apr 02 1207-1215*
leaky modes on PC lines, evol. *Mesa, F., +, T-MTT Jan 02 94-104*
nonphysical leaky mode for fields excited by practical source in PC transm. lines. *Tsuji, M., +, MWSYM 02 957-960 vol.2*
Si smart substr., RF pass. integrat. *Dong-Wook Kim, +, MWSYM 02 1561-1564 vol.3*
Wilkinson power divider on low resist. Si substr. with polyimide interface layer. *Papapolymerou, J., +, RFIC 02 483-486*

Coplanar waveguide components

BaSrTiO₃/sapphire refl.-type phase shifter, monolithic, using CPW Lange coupler. *Dongsu Kim, +, MWSYM 02 1471-1474 vol.3*
conductor-backed coplanar ccts., use of vias in CPW ground planes. *Haydl, W.H., T-MTT Jun 02 1571-1577*
coplanar two-pole filter, qtr.-wavelength resonator. *Paillot, T., +, MWSYM 02 1793-1796 vol.3*
CPW-based single-layer injection-locked act. antenna array. *Ip, K.H.Y., +, T-MTT Feb 02 481-486*
CPW embedding ccts. for THz hot-electron-bolometer mixers. *Focardi, P., +, T-MTT Oct 02 2374-2383*
CW-mode opt. controlled microwave switch with carrier-confine. struct. *Sangil Lee, +, MWSYM 02 1289-1292 vol.2*
digital-type RF MEMS SC in CPW config., fab. and perform. *Rizk, J.B., +, MWSYM 02 1217-1220 vol.2*
distributed CPW MEMS phase shifters on Si using tapered impedance unit cells. *Lakshminarayanan, B., +, MWSYM 02 1237-1240 vol.2*
GaAs-HBT MMIC push-push oscillator, 38 GHz, fixed freq. and VCO versions. *Schott, A., +, MWSYM 02 839-842 vol.2*

GaAs thermoelec. microwave power sens., broadband/MMIC compatible, using std. foundry proc. *Dehe, A., +, MWSYM 02 1829-1832 vol.3*

gyroelectric semicond. circulator, CPW feeder, field distrib. *Ng, Z.M., +, MWSYM 02 1189-1192 vol.2*

high-Q inductors in organic substs. for 1-3 GHz wireless appls., design. *Dalmia, S., +, MWSYM 02 1405-1408 vol.3*

interdigital hairpin bandpass filter, design using model of coupled slots. *Deleniv, A.N., +, T-MTT Sep 02 2153-2158*

Ka-band distributed MEMS phase shifter, metal-air-metal capacitor. *Hayden, J.S., +, MWSYM 02 337-340 vol.1*

Ku-band coplanar HBT MMIC HPA, flip-chip assembly. *Fraysse, J.P., +, MWSYM 02 441-444 vol.1*

lossy structs., 3D hybrid finite-difference method, quasi-static field solns. *Kunze, M., +, MWSYM 02 1881-1884 vol.3*

microstrip/CPW amps., size reduction using defected ground struct. *Jong-Sik Lim, +, MWSYM 02 1153-1156 vol.2*

Si, high-resist. substr., slow-wave CPW cct. *Naylor, J., +, MWSYM 02 669-672 vol.2*

/4 stepped-impedance resonator bandpass filter fab. on CPW. *Sanada, A., +, MWSYM 02 385-388 vol.1*

W-band micromachined cct. power combining/dividing networks. *Herrick, K.J., +, T-MTT Jun 02 1647-1651*

Wilkinson power divider on low resist. Si substr., polyimide interface layer. *Papapolymerou, J., +, MWSYM 02 593-596 vol.1*

YBaCuO low-loss 5GHz bandpass filter using HTS CPW qtr.-wavelength resonators. *Zhewang Ma, +, MWSYM 02 1967-1970 vol.3*

Coplanar waveguides

BaSrTiO₃/sapphire refl.-type phase shifter, monolithic, using CPW Lange coupler. *Dongsu Kim, +, MWSYM 02 1471-1474 vol.3*

broadband antenna integrated with RF MEMS switches for wireless commun. *Cetiner, B.A., +, MWSYM 02 1333-1336 vol.2*

broadband flip-chip transit. design, locally matching tech. *Chun-Long Wang, +, MWSYM 02 1397-1400 vol.3*

compact single-chip W-band FMCW radar modules for commercial high-resolution sensor applications. *Tessmann, A., +, T-MTT Dec 02 2995-3001*

CPW-to-CPS transits., low-pass/high-pass filters. *Yo-Shen Lin, +, MWSYM 02 2213-2216 vol.3*

cylindrical transm. line, magnetized ferrite substr., dispersion anal. *Dib, N., +, T-MTT Jul 02 1730-1736*

fabrication of MOD-derived YBCO films on (001)LaAlO₃ and their application to /4 CPW SIR BPFs. *Sanada, A., +, T-MTT Dec 02 2856-2861*

ferroelec. thin-film devices, anisotropic permitt./atten. from propag. consts., full-wave Green's fn. solver. *Krowne, C.M., +, T-MTT Feb 02 537-548*

finite ground coplanar line-to-waveguide transit. for W-band. *Yongshik Lee, +, MWSYM 02 1871-1874 vol.3*

GaAs CPW line, probe-tip calib. *Carchon, G., +, MWSYM 02 1837-1840 vol.3*

lossy inhomog. anisotropic waveguides, fast reduced-order model for full-wave FEM anal. *Bertazzi, F., +, T-MTT Sep 02 2108-2114*

lossy transm. lines, steady-state skin-effect anal., FEM-based reduced-order model. *Bertazzi, F., +, MWSYM 02 2025-2028 vol.3*

low-cost flip-chip alternatives for MM wave appls. *Heyen, J., +, MWSYM 02 2205-2208 vol.3*

microwave feedback oscillator using double-sided MIC tech. *Kawahata, K.I., +, MWSYM 02 699-702 vol.2*

MM-wave CPWs on Si, interface loss mechanisms. *Zhao, W., +, T-MTT Jan 02 407-410*

planar transm. line, metallic loss, FDFD anal. *Kunze, M., +, T-MTT May 02 1275-1279*

polyimide film based RF MEMS capacitive switches, fab. and perform. *Ramadoss, R., +, MWSYM 02 1233-1236 vol.2*

propag. characts. of finite-width conductor-backed coplanar waveguides with periodic electromagnetic bandgap cells. *Shau-Gang Mao, +, T-MTT Nov 02 2624-2628*

reconfigurable quasi-fractal transm. line struct. *Sor, J., +, MWSYM 02 665-668 vol.2*

right-angle bends, elec. field obs. of ps. pulse propag. by photocond. near-field probe. *Jongjoo Lee, +, MWSYM 02 1509-1512 vol.3*

single-chip 94 GHz FMCW radar module for commercial sens. appls. *Tessmann, A., +, MWSYM 02 1851-1854 vol.3*

Si, porous CPW interconnects, porosity effects. *Itotia, I.K., +, MWSYM 02 681-684 vol.2*

Si wafer, substr. loss, microstrip and CPW transm. lines. *Lederer, D., +, MWSYM 02 685-688 vol.2*

suspended resonators for filters-reduced g excitation of evanescent cavities using high dielectric constant feedlines. *Snyder, R.V., +, T-MTT Dec 02 2890-2895*

uniplanar MICs, monolithic and hybrid, finite-ground CPW reactive series-connected elements. *Lei Zhu, +, T-MTT Feb 02 549-557*

wide-band reflection-type phase shifter at S-band using BST coated substrate. *Kim, D., +, T-MTT Dec 02 2903-2909*

Copper

- Bluetooth transceiver IC, Cu RF pass. components. *My The Doan*, +, *MWSYM* 02 525-528 vol.1
- CMOS Bluetooth transceiver IC with Cu RF pass., fab. and perform. *Doan, M.T.*, +, *RFIC* 02 415-418
- CMOS RFIC, copper interconnects, super compact inductor. *Feng, H.*, +, *MWSYM* 02 553-556 vol.1
- Cu capacitive RF MEMS switches, low actuation volt., low cost fab. proc. *Balaraman, D.*, +, *MWSYM* 02 1225-1228 vol.2
- Cu high-Q inductors on CMOS-grade Si substr. with low-k BCB dielec. layer. *Xiao Huo*, +, *MWSYM* 02 513-516 vol.1
- Cu high-Q inductors on std. Si substr. with low-k BCB dielec. layer. *Xiao Huo*, +, *RFIC* 02 403-406
- interconnects, deep-sub- m bulk CMOS, spiral inductor design considerations. *Kuhn, W.B.*, +, *MWSYM* 02 301-305 vol.1
- thin metal wires in rect. waveguide, scatt. and absorpt. study. *Bingle, M.*, +, *T-MTT Jun* 02 1621-1627
- W-band high-power squeeze-type phase shifter. *Hill, M.E.*, +, *T-MTT May* 02 1437-1441

Cordless telephone systems

- CMOS transceiver for digital narrowband cordless syst., std. IF or low IF RX. *Jerng, A.*, +, *RFIC* 02 111-114
- Doppler radar sens. of vital signs using wireless commun. terminal. *Lubecke, V.*, +, *MWSYM* 02 1767-1770 vol.3

Correlation methods; cf. Acoustic correlation**Coupled circuits**

- cascaded coupled resonator filters, computer-aided diagnosis and tuning. *Heng-Tung Hsu*, +, *T-MTT Apr* 02 1137-1145
- coupled-oscillator array, angle-based modulation. *Pogorzelski, R.J.*, *T-MTT Jan* 02 143-149
- coupling schemes for microwave resonator filters. *Rosenberg, U.*, +, *MWSYM* 02 1605-1608 vol.3
- microstrip filters using folded qtr.-wave resonators. *Chi-Yang Chang*, +, *MWSYM* 02 1609-1612 vol.3
- microwave filters, computer-aided tuning using fuzzy logic. *Miraftab, V.*, +, *MWSYM* 02 1117-1120 vol.2
- oscillator arrays, locking range improvement. *Jinjin Shen*, +, *MWSYM* 02 1309-1312 vol.2
- parameter extraction for symmetric coupled-resonator filters. *Hsu, H.-T.*, +, *T-MTT Dec* 02 2971-2978
- planar filter design using 0 feed struct., lumped-cct. model. *Chih-Ming Tsai*, +, *T-MTT Oct* 02 2362-2367
- resonator filters with source/load-multiresonator coupling, adaptive synthesis. *Amari, S.*, +, *T-MTT Aug* 02 1969-1978
- SiGe HBT fully-integrated coupled VCOs, phase noise. *Jacobsson, H.*, +, *MWSYM* 02 577-580 vol.1
- SiGe HBT fully-integrated coupled VCOs, phase noise. *Jacobsson, H.*, +, *RFIC* 02 467-470
- synthesis of advanced microwave filters without diagonal cross-couplings. *Cameron, R.J.*, +, *T-MTT Dec* 02 2862-2872

Coupled mode analysis

- anisotropic ferrite slab waveguides, wave effects rel. to sing. theory. *Yakovlev, A.B.*, +, *MWSYM* 02 2021-2024 vol.3
- chirowaveguides, 2D and 3D discontinuities study. *Wu, T.X.*, +, *T-MTT Oct* 02 2320-2330
- coupled-microstrip circulator, coupled-mode design. *Mazur, J.*, +, *T-MTT Jun* 02 1487-1494
- mode-matching tech., line-integral formulation. *Figlia, G.*, +, *T-MTT Feb* 02 578-580
- overmoded circ. waveguides, lossy-wall, mode coupling. *Shafii, J.*, +, *T-MTT May* 02 1361-1369

Coupled transmission lines

- air gap transm. lines for mm-wave appls., high perform. *Inho Jeong*, +, *MWSYM* 02 661-664 vol.2
- amplif. antenna array using patch-antenna coupler, design & meas. *Chih-Hung Tsai*, +, *T-MTT Aug* 02 1919-1926
- broadband 3D vert. balun and X-band four-way Wilkinson divider, develop./perform. *Darwish, A.*, +, *MWSYM* 02 109-112 vol.1
- electronic packaging structs., vert. via coupling, differential signaling. *Houfei Chen*, +, *MWSYM* 02 983-986 vol.2
- LTCC-MCMs, buried meshed-ground coupling charact. anal., FEM calcs. *Jun-Goo Kim*, +, *MWSYM* 02 825-828 vol.2
- lumped-element backward directional coupler and. design method. *Taek-Young Song*, +, *MWSYM* 02 213-217 vol.1
- microstrip and stripline ferrite-coupled-line (FCL) circulators. *Queck, C.K.*, +, *T-MTT Dec* 02 2910-2917
- microstrip coupled-line bandpass filter using defected ground struct. with wide stopband perform. *Jun-Seok Park*, +, *T-MTT Sep* 02 2037-2043
- microstrip to dielec.-filled rect. waveguide transit., surface mounting. *Sano, K.*, +, *MWSYM* 02 813-816 vol.2
- narrow-band matching networks for quasi-TEM coupled microstrip lines. *Nickel, J.G.*, +, *T-MTT May* 02 1392-1399
- planar filter design using 0 feed struct., lumped-cct. model. *Chih-Ming Tsai*, +, *T-MTT Oct* 02 2362-2367

- planar Marchand balun, capacitively-compensated, anal./design. *Ng, C.Y.*, +, *MWSYM* 02 113-116 vol.1
- planar microwave baluns with three symmetric coupled lines, low-loss, anal./design. *Jong-Wook Lee*, +, *MWSYM* 02 117-121 vol.1
- Si 3D-MMIC, polyimide layer, microstrip line coupling. *Ponchak, G.E.*, +, *MWSYM* 02 2221-2224 vol.3
- symmetric coupled-microstrip systs., longit. multiconductor transm. line fns. investig. *Nickel, J.G.*, +, *T-MTT Jan* 02 183-190

Crosstalk

- airborne dual-channel microwave radiometers, on-board accurate calib. *Corbella, I.*, +, *T-MTT Jul* 02 1816-1820
- CMOS RF ccts., EM coupling. *Adan, A.O.*, +, *RFIC* 02 293-296
- covered microstrip line, voltage source radiation, freq. depend. charact. *Langston, W.L.*, +, *MWSYM* 02 949-952 vol.2
- dielec. resonators, transm.-mode Q-factor meas. tech. *Leong, K.*, +, *T-MTT Sep* 02 2115-2127
- SiGe high-speed bipolar ICs, weak substr. coupling meas./simul. *Steiner, W.*, +, *T-MTT Jul* 02 1705-1713

Crosstalk; cf. Optical crosstalk**Cryogenic electronics**

- device develop., early hist. *Mimura, T.*, *T-MTT Mar* 02 780-782
- LNA, DC power consumption. *Angelov, L.*, +, *T-MTT Jun* 02 1480-1486

Cryogenics

- HDPE, low-loss, microwave props., cryogenic temps. *Jacob, M.V.*, +, *T-MTT Feb* 02 474-480
- polystyrene, cross-linked, low-loss, microwave props., cryogenic temps. *Jacob, M.V.*, +, *T-MTT Feb* 02 474-480
- PTFE, low-loss, microwave props., cryogenic temps. *Jacob, M.V.*, +, *T-MTT Feb* 02 474-480

Cryogenics; cf. Cryogenic electronics; Low-temperature techniques**Cryptography**

- opt. commun. sigs., security syst. with fiber Bragg gratings. *Torres, P.*, +, *T-MTT Jan* 02 13-16

Crystal defects; cf. Grain boundaries**Crystal filters**

- BAW resonators/filters, appls. above 2 GHz. *Lakin, K.M.*, +, *MWSYM* 02 1487-1490 vol.3

Crystal filters; cf. Surface acoustic wave filters**Crystal microstructure; cf. Grain boundaries****Crystal resonators**

- BAW resonators/filters, appls. above 2 GHz. *Lakin, K.M.*, +, *MWSYM* 02 1487-1490 vol.3

Crystal resonators; cf. Surface acoustic wave resonators**Crystals; cf. Quartz; Sapphire****Current density**

- CMOS RFIC, lin. anal., transconductance & output conductance. *Sanghoon Kang*, +, *RFIC* 02 363-366
- GaN HEMT MMIC power amp. design appls. *Pribble, W.L.*, +, *MWSYM* 02 1819-1822 vol.3
- Si based monolithic integrated transformers, substr. RF losses. *Ng, K.T.*, +, *T-MTT Jan* 02 377-383
- Si/SiGe/Si double mesa-type HBT, high-power high-gain X-band. *Zhenqiang Ma*, +, *T-MTT Apr* 02 1101-1108
- spiral inductor, SOI technol. *Kelly, D.*, +, *MWSYM* 02 541-543 vol.1
- spiral inductors on insulating substrs., perform. improvements. *Kelly, D.*, +, *RFIC* 02 431-433
- UHF microstrip amp., radiation, spectral-domain dyadic Green's fn., full-wave method. *Tzyy-Sheng Horng*, +, *T-MTT Aug* 02 2005-2010

Current mirrors

- CMOS PLL based freq. synthesizer, ring-type VCO, GSM appls. *Ali, S.*, +, *RFIC* 02 173-176
- SiGe BiCMOS TX-IC, W-CDMA mobile terminal. *Joba, H.*, +, *RFIC* 02 27-30

Current-mode logic

- CMOS static 2:1 freq. divider, high input sensitivity. *Wohlmuth, H.-D.*, +, *RFIC* 02 231-234
- SiGe bipolar technol. dual-modulus prescaler, static divider stages, differential CML. *Knapp, H.*, +, *RFIC* 02 239-242
- static freq. divider, low-power 20 GHz, prog. input sensitivity. *Vaucher, C.S.*, +, *RFIC* 02 235-238

Current-mode logic; cf. Emitter-coupled logic**Curve fitting**

- dielec. resonator unloaded Q-factor meas. by transm./refl. mode methods using S-param. circle fitting. *Leong, K.*, +, *MWSYM* 02 1665-1668 vol.3
- synthesis of equivalent-circuit models for multiports characterized by frequency-dependent parameters. *Neumayer, R.*, +, *T-MTT Dec* 02 2789-2796

CW radar

- automotive radar chip set, 38/76 GHz, low cost PHEMT technol. *Werthof, A.*, +, *MWSYM* 02 1855-1858 vol.3
- FMCW radar transceiver, bal. FET cct., AM noise. *Fager, C.*, +, *T-MTT Apr* 02 1224-1227
- Gunn diode based surface mount 77-GHz VCO for automotive radar appls. *Priestley, N.*, +, *MWSYM* 02 1863-1866 vol.3

- single-chip 94 GHz FMCW radar module for commercial sens. appls. *Tessmann, A.*, +, *MWSYM 02 1851-1854* vol.3
- CW radar; cf.** FM radar
- Cyclotron masers**
PLZT ferroelec. cathode, microwave gyro amp. *Einat, M.*, +, *T-MTT Apr 02 1227-1230*
RF vac. electronics, hist. & recent advances. *Parker, R.K.*, +, *T-MTT Mar 02 835-845*

D

Damping

- capacitive RF MEMS switch, gas damping model and dyn. characts. *Veijola, T.*, +, *MWSYM 02 1213-1216* vol.2

Data communication

- TWTA perform. eval./design optim. for multi-level digital commun. appls. *Qiu, J.*, +, *MWSYM 02 457-460* vol.1

Data communication; cf. Data communication equipment; Integrated voice/data communication; Meteor burst communication**Data communication equipment**

- high-speed fiber optic data links, component design aspects. *Mader, T.*, *RFIC 02 81-84*

Data communication equipment; cf. Modems**Data conversion; cf.** Analog-digital conversion; Digital-analog conversion**Data handling; cf.** Data reduction; Multimedia computing; Table lookup**Data reduction**

- ceramic substr. material charactn. at microwave freqs., semianalytical tech. *Fathy, A.E.*, +, *T-MTT Oct 02 2247-2252*

DC amplifiers

- 1.8-GHz high-efficiency 34-dBm silicon bipolar power amplifier. *Carrara, F.*, +, *T-MTT Dec 02 2963-2970*

DC-DC power converters

- RF power amp., DC-DC converter, switching noise, act. cancellation. *Kobayashi, H.*, +, *MWSYM 02 1647-1650* vol.3

Decision circuits

- GaAs 2-bit ADC ICs for radio astron. appls. *Okiura, M.*, +, *MWSYM 02 485-488* vol.1
GaAs-based HBT 40 Gbit/s opt. receiver IC chipset. *Amamiya, Y.*, +, *MWSYM 02 87-90* vol.1

Decoding

- GaAs PHEMT direct digital six-port MM wave receiver, Ka-band, QPSK commun. *Ovidiu Tatu, S.*, +, *RFIC 02 155-158*

Decoding; cf. Adaptive decoding; Iterative decoding**Deformation**

- capacitive RF MEMS switch, gas damping model and dyn. characts. *Veijola, T.*, +, *MWSYM 02 1213-1216* vol.2

Delay circuits

- MEMS-based ccts. & phase shifters, phase noise anal. *Rebeiz, G.M.*, *T-MTT May 02 1316-1323*

Delay circuits; cf. Delay filters; Delay lines**Delay filters**

- coupled-resonators cavity group-delay equalizer design. *Heng-Tung Hsu*, +, *T-MTT Aug 02 1960-1968*

Delay filters; cf. Linear phase filters**Delay lines**

- K-band beam-steering quasi-Yagi array, mixing freq. compensation. *Nishio, T.*, +, *MWSYM 02 1345-1348* vol.2
microwave HTSC technol., appls. overview. *Mansour, R.R.*, *T-MTT Mar 02 750-759*
microwave variable delay line using dual-frequency switching-mode liquid crystal. *Kuki, T.*, +, *T-MTT Nov 02 2604-2609*
microwave variable delay line with liq. cryst. impregnated membrane. *Kuki, T.*, +, *MWSYM 02 363-366* vol.1

Delay lines; cf. Optical delay lines**Delays**

- AO freq.-depend. phase compensated opt. heterodyne tech. *Jemison, W.D.*, *T-MTT Jul 02 1832-1843*
dielec. resonator unloaded Q-factor meas. by transm./refl. mode methods using S-param. circle fitting. *Leong, K.*, +, *MWSYM 02 1665-1668* vol.3
Kahn EER tech., out-of-band emissions of digital transms. *Rudolph, D.*, *T-MTT Aug 02 1979-1983*
photonic true-time delay beamformer for broadband wireless access networks. *Vidal, B.*, +, *MWSYM 02 1949-1952* vol.3
RF mixers, vector charactn./test syst. vector error correction method. *Dunsmore, J.*, *MWSYM 02 1833-1836* vol.3
symmetric coupled-microstrip systs., longit. multiconductor transm. line fns. investig. *Nickel, J.G.*, +, *T-MTT Jan 02 183-190*
time-delayed PLL model, crit. & optimal gain, stabil. changes. *Buckwalter, J.*, +, *RFIC 02 181-184*
wireless commun. systs., propag. prediction models, ray-tracing techs., review. *Iskander, M.F.*, +, *T-MTT Mar 02 662-673*

Delta modulation; cf. Delta-sigma modulation; Sigma-delta modulation**Delta-sigma modulation**

- delta-sigma data converters and use in wireless transceivers. *Galton, I.*, *T-MTT Jan 02 302-315*
EER transmitter, delta-sigma modulation, WLAN and 3G appls. *Kang-Chun Peng*, +, *MWSYM 02 1651-1654* vol.3
RF pulsewidth modulated microwave sig. generation using delta-sigma modulation. *Keyzer, J.*, +, *MWSYM 02 397-400* vol.1

Demodulation

- SAW front-end module for GSM-based dual-band cellular phones with direct-conversion demodulation. *Hikita, M.*, +, *T-MTT Nov 02 2629-2638*
SAW front end modules for GSM cellular phones with direct-conversion demodulation. *Hikita, M.*, +, *MWSYM 02 1483-1486* vol.3
smart antenna syst. implement. based on digital beam-forming and software radio technols. *Wu, J.*, +, *MWSYM 02 323-326* vol.1

Demodulators

- broadband RF front-end for direct conversion transceivers, 0.9-2.6 GHz, low-noise variable gain amp. *Kawashima, M.*, +, *MWSYM 02 927-930* vol.2
CMOS Bluetooth receiver IC, 3 V, develop. and implement. *Wenjun Sheng*, +, *RFIC 02 107-110*

Demodulators; cf. Modems**Demultiplexing equipment**

- InP HEMT DEMUX IC, data and clock distrib., SCFL. *Kano, H.*, +, *MWSYM 02 75-78* vol.1

Density; cf. Plasma density**Design aids**

- direct conversion radio for digital mobile phones; design issues, status, and trends. *Loke, A.*, +, *T-MTT Nov 02 2422-2435*

Design engineering

- design of high-speed master-slave D-Type flip-flop in InP DHBT technology. *Kasbari, A.-E.*, +, *T-MTT Dec 02 3064-3069*
feasible adjoint sensitivity technique for EM design optimization. *Georgieva, N.K.*, +, *T-MTT Dec 02 2751-2758*
new 2-D image reconstruction algorithm based on FDTD and design sensitivity analysis. *Kang, N.-W.*, +, *T-MTT Dec 02 2734-2740*
planar microwave baluns with three symmetric coupled lines, low-loss, anal./design. *Jong-Wook Lee*, +, *MWSYM 02 117-121* vol.1
silicon-based RF and microwave integrated circuits (special issue). *T-MTT Jan 02 233-410*
silicon-based RF and microwave integrated circuits (special intro.). *Hajimiri, A.*, +, *T-MTT Jan 02 233-234*

Design engineering; cf. Product development**Detector circuits**

- MIC super regenerative detector, 7.5 GHz, perform. study. *Buchanan, N.B.*, +, *T-MTT Sep 02 2198-2202*

Detector circuits; cf. Phase detectors**Diaphragms**

- reentrant resonators for microwave meas. units, rect. waveguide. *Romodina, V.B.*, +, *MWSYM 02 1365-1368* vol.2

Dielectric devices

- suspended resonators for filters-reduced g excitation of evanescent cavities using high dielectric constant feedlines. *Snyder, R.V.*, +, *T-MTT Dec 02 2890-2895*

Dielectric devices; cf. Capacitors; Dielectric resonators; Dielectric waveguides; Ferroelectric devices**Dielectric-loaded antennas**

- review of microwave commun. systs. appls. *Fiedziuszko, S.J.*, +, *T-MTT Mar 02 706-720*

Dielectric-loaded waveguides

- chirowaveguides, 2D and 3D discontinuities study. *Wu, T.X.*, +, *T-MTT Oct 02 2320-2330*
dielec. filled rect. waveguides, radiating long. slots, equiv. cct., FDTD method. *Gatti, R.V.*, +, *MWSYM 02 871-874* vol.2
lossy inhomog. anisotropic waveguides, fast reduced-order model for full-wave FEM anal. *Bertazzi, F.*, +, *T-MTT Sep 02 2108-2114*
microstrip to dielec.-filled rect. waveguide transit., surface mounting. *Sano, K.*, +, *MWSYM 02 813-816* vol.2
multiresolution time-domain scheme for microwave struct., multiple image tech., anisotropic perfectly matched layer. *Qunsheng Cao*, +, *T-MTT Jun 02 1578-1589*
perfectly matched layers, 3D finite-difference freq.-domain method. *Tischler, T.*, +, *MWSYM 02 1885-1888* vol.3
TE₁₀ rect.-waveguide-type resonators, bandpass filter appls. *Hee Yong Hwang*, +, *T-MTT Jul 02 1821-1831*

Dielectric losses

- Al₂O₃ high-K dielec., RF MIM capacitor. *Chen, S.B.*, +, *MWSYM 02 201-204* vol.1
AlTiO_x high-K dielec., RF MIM capacitor. *Chen, S.B.*, +, *MWSYM 02 201-204* vol.1
ceramic substr. material charactn. at microwave freqs., semianalytical tech. *Fathy, A.E.*, +, *T-MTT Oct 02 2247-2252*

- CPS resonator modeling, CPS-microstrip transit., bandpass filter appl. *Young-Ho Suh*, +, *T-MTT May 02* 1289-1296
- HDPE, low-loss, microwave props., cryogenic temps. *Jacob, M.V.*, +, *T-MTT Feb 02* 474-480
- polystyrene, cross-linked, low-loss, microwave props., cryogenic temps. *Jacob, M.V.*, +, *T-MTT Feb 02* 474-480
- PTFE, low-loss, microwave props., cryogenic temps. *Jacob, M.V.*, +, *T-MTT Feb 02* 474-480
- Dielectric loss measurement**
- (Ba,Sr)TiO₃ thin film, parallel plate capacitor, microwave meas. *Zhang Jin*, +, *MWSYM 02* 1201-1204 vol.2
- ceramic substr. material charactn. at microwave freqs., semianalytical tech. *Fathy, A.E.*, +, *T-MTT Oct 02* 2247-2252
- ferroelec. material, microwave meas., dielec. sleeve resonator. *Geyer, R.G.*, +, *MWSYM 02* 1657-1660 vol.3
- flexible circ. dielec. waveguides, Q-band dielec./radiation loss meas. *Ki Young Kim*, +, *MWSYM 02* 1149-1152 vol.2
- Dielectric materials**
- HDPE, low-loss, microwave props., cryogenic temps. *Jacob, M.V.*, +, *T-MTT Feb 02* 474-480
- planar negative refractive index media using periodically L-C loaded transmission lines. *Eleftheriades, G.V.*, +, *T-MTT Dec 02* 2702-2712
- polystyrene, cross-linked, low-loss, microwave props., cryogenic temps. *Jacob, M.V.*, +, *T-MTT Feb 02* 474-480
- PTFE, low-loss, microwave props., cryogenic temps. *Jacob, M.V.*, +, *T-MTT Feb 02* 474-480
- review of microwave commun. systs. appls. *Fiedziuszko, S.J.*, +, *T-MTT Mar 02* 706-720
- Dielectric materials; cf.** Ferroelectric materials
- Dielectric measurement; cf.** Dielectric loss measurement; Permittivity measurement
- Dielectric properties; cf.** Capacitance; Dielectric losses; Permittivity
- Dielectric resonator filters**
- 60-GHz-band dielec. waveguide filters with cross-coupling for flip-chip modules. *Ito, M.*, +, *MWSYM 02* 1789-1792 vol.3
- broadband TEM-mode planar-rect. dielec. waveguide bandpass filter. *Kundu, A.C.*, *MWSYM 02* 381-384 vol.1
- dielec. resonator filter and duplexer, TM₁₁ mode. *Enokihara, A.*, +, *MWSYM 02* 1781-1784 vol.3
- dual-mode filters with grooved dielec. resonator loaded cavity for cellular radio base-stations. *Accatino, L.*, +, *MWSYM 02* 1453-1456 vol.3
- microwave filter technol. develop., appls. perspective. *Hunter, I.C.*, +, *T-MTT Mar 02* 794-805
- review of microwave commun. systs. appls. *Fiedziuszko, S.J.*, +, *T-MTT Mar 02* 706-720
- SrTiO₃ disk resonator, narrow-band tunable band-pass filter. *Deleniv, A.*, +, *MWSYM 02* 1197-1200 vol.2
- TE₁₀ rect.-waveguide-type resonators, bandpass filter appls. *Hee Yong Hwang*, +, *T-MTT Jul 02* 1821-1831
- Dielectric resonator oscillators**
- review of microwave commun. systs. appls. *Fiedziuszko, S.J.*, +, *T-MTT Mar 02* 706-720
- SiGe HBT, sapphire resonator oscillator, phase noise. *Cibiel, G.*, +, *MWSYM 02* 691-694 vol.2
- SiGe microwave HBT, low phase noise DRO. *Bary, L.*, +, *MWSYM 02* 275-278 vol.1
- tunable microwave ccts., piezoelec.-transducer-controlled. *Tae-Yeoul Yun*, +, *T-MTT May 02* 1303-1310
- Dielectric resonators**
- anal. of dielectric-loaded cavities using orthonormal-basis method. *Monsoriu, J.A.*, +, *T-MTT Nov 02* 2545-2552
- axisymmetric composite microwave cavities, reson. freq. and Q factor. *Kishk, A.A.*, +, *T-MTT Oct 02* 2287-2293
- dielec. resonators, transm.-mode Q-factor meas. tech. *Leong, K.*, +, *T-MTT Sep 02* 2115-2127
- dual-mode filters with grooved/splitted dielectric resonators for cellular-radio base stations. *Accatino, L.*, +, *T-MTT Dec 02* 2882-2889
- ferroelec. material, microwave meas., dielec. sleeve resonator. *Geyer, R.G.*, +, *MWSYM 02* 1657-1660 vol.3
- generalized reaction and unrestricted variational formulation of cavity resonators - part I, basic theory. *Shams-Zadeh-Amiri, A.M.*, +, *T-MTT Nov 02* 2480-2490
- generalized reaction and unrestricted variational formulation of cavity resonators - part II, nonorthogonal and free-boundary mode-matching method. *Shams-Zadeh-Amiri, A.M.*, +, *T-MTT Nov 02* 2491-2498
- rect. dielec. resonator in MIC environ., reson. modes simul. *Yaxun Liu*, +, *MWSYM 02* 1901-1904 vol.3
- review of microwave commun. systs. appls. *Fiedziuszko, S.J.*, +, *T-MTT Mar 02* 706-720
- sapphire resonator design, high-Q, with DBR. *Piquet, O.*, +, *MWSYM 02* 1993-1996 vol.3
- sintered conductor and dielec. substr. interface, effective cond. meas., microwave freqs. *Nakayama, A.*, +, *T-MTT Jul 02* 1665-1674
- unconditionally stable FDTD method in cylindrical coord. syst. *Chenghao Yuan*, +, *T-MTT Oct 02* 2401-2405
- unloaded Q-factor meas. by transm./refl. mode methods using S-param. circle fitting. *Leong, K.*, +, *MWSYM 02* 1665-1668 vol.3
- whispering-gallery modes in shielded hemispherical dielectric resonators. *Eremenko, Z.E.*, +, *T-MTT Nov 02* 2647-2649
- Dielectric resonators; cf.** Dielectric resonator filters; Dielectric resonator oscillators
- Dielectric thin films**
- AlGaAs/InGaAs doped-channel power FETs, low-k BCB bridged proc. *Hsien-Chin Chiu*, +, *MWSYM 02* 521-524 vol.1
- AlGaAs/InGaAs high lin. power HFETs using low-k BCB bridged and passivated proc. *Hsien-Chin Chiu*, +, *RFIC 02* 411-414
- (Ba,Sr)TiO₃ thin film, parallel plate capacitor, microwave meas. *Zhang Jin*, +, *MWSYM 02* 1201-1204 vol.2
- Cu high-Q inductors on CMOS-grade Si substr. with low-k BCB dielec. layer. *Xiao Huo*, +, *MWSYM 02* 513-516 vol.1
- Cu high-Q inductors on std. Si substr. with low-k BCB dielec. layer. *Xiao Huo*, +, *RFIC 02* 403-406
- Dielectric thin films; cf.** Ferroelectric thin films
- Dielectric waveguides**
- 60-GHz-band dielec. waveguide filters with cross-coupling for flip-chip modules. *Ito, M.*, +, *MWSYM 02* 1789-1792 vol.3
- anisotropic rect. dielec. waveguides, Marcatali's method modif. for calc. *Dudorov, S.N.*, +, *T-MTT Jun 02* 1640-1642
- approx. analytical eval. of continuous spectrum in substrate-superstrate dielectric waveguide. *Baccarelli, P.*, +, *T-MTT Dec 02* 2690-2701
- flexible circ. dielec. waveguides, Q-band dielec./radiation loss meas. *Ki Young Kim*, +, *MWSYM 02* 1149-1152 vol.2
- novel planar, square-shaped, dielectric-waveguide, single-, and dual-mode filters. *Chi-Yang Chang*, +, *T-MTT Nov 02* 2527-2536
- review of microwave commun. systs. appls. *Fiedziuszko, S.J.*, +, *T-MTT Mar 02* 706-720
- rod waveguide, surface corrugation, num. anal. *Kubo, H.*, +, *T-MTT May 02* 1256-1263
- substr.-superstrate dielec. waveguide, continuous spectrum, approx. anal. eval. *Baccarelli, P.*, +, *MWSYM 02* 953-956 vol.2
- Dielectric waveguides; cf.** Nonradiative dielectric waveguides; Optical waveguides
- Differential amplifiers**
- broadband push-pull power amp. MMIC operating at K/Ka-band freqs. *Schellenberg, J.M.*, *MWSYM 02* 909-912 vol.2
- CMOS transceiver chip components for 802.11b WLAN appl. *O, K.K.*, +, *RFIC 02* 103-106
- front-end CMOS chipset for 10 Gbit/s opt. commun. *Petersen, A.K.*, +, *RFIC 02* 93-96
- GaAs-based HBT 40 Gbit/s opt. receiver IC chipset. *Amamiya, Y.*, +, *MWSYM 02* 87-90 vol.1
- GaAs PHEMT distributed amps. for 40 Gb/s EO modulator driver appl., high output. *Yuen, C.*, +, *MWSYM 02* 481-484 vol.1
- push/pull class-DE switching power amp., shunt capacitances. *Alipov, A.*, +, *MWSYM 02* 1635-1638 vol.3
- step gain differential LNA with impedance unchanged in gain control. *Tanabe, M.*, +, *RFIC 02* 209-212
- Differential equations**
- overmoded circ. waveguides, lossy-wall, mode coupling. *Shafii, J.*, +, *T-MTT May 02* 1361-1369
- Differential equations; cf.** Green's function methods; Nonlinear differential equations; Partial differential equations
- Diffraction; cf.** Electromagnetic wave diffraction
- Diffraction gratings; cf.** Bragg gratings
- Digital-analog conversion**
- microwave syst. DSP, programmability/flexibility. *Asbeck, P.*, +, *T-MTT Mar 02* 900-909
- Digital-analog conversion; cf.** Delta-sigma modulation
- Digital circuits; cf.** Decision circuits; Digital integrated circuits; Digital phase locked loops
- Digital communication**
- carrier regeneration and reuse with gain compress. and feedforward SOAs. *Conforti, E.*, +, *T-MTT Jan 02* 77-81
- differentially-tuned CMOS LC VCO for 10 Gbit/s clock-and-data-recovery ccts. *Mukherjee, D.*, +, *MWSYM 02* 707-710 vol.2
- GaAs-based HBT 40 Gbit/s opt. receiver IC chipset. *Amamiya, Y.*, +, *MWSYM 02* 87-90 vol.1
- high-speed fiber optic data links, component design aspects. *Mader, T.*, *RFIC 02* 81-84
- SiGe bipolar transimpedance amp. array for 12 parallel 10 Gb/s opt. fiber links. *Schild, A.*, +, *RFIC 02* 89-92
- TWTA perform. eval./design optim. for multi-level digital commun. appls. *Qiu, J.*, +, *MWSYM 02* 457-460 vol.1

Digital communication; cf. Digital radio; Digital television

Digital filters; cf. Recursive filters

Digital integrated circuits

multiconductor transm. line, transient simul., structural aspects of model, digital ccts. *Condon, M.*, *MWSYM 02 2065-2068* vol.3

SPICE-TLM interconnection framework, time domain cct. modeling. *So, P.P.M.*, +, *MWSYM 02 1123-1126* vol.2

time-domain waveform meas. in 40 Gb digital ICs, cable/connector dispersion removal. *Scott, J.*, +, *MWSYM 02 1669-1672* vol.3

Digital integrated circuits; cf. BiCMOS digital integrated circuits; Bipolar digital integrated circuits; Cellular arrays; Field effect digital integrated circuits; Microprocessor chips

Digital phase locked loops

BiCMOS dual-modulus prescaler, ECL-based ccts., low supply voltage. *Dulger, F.*, +, *RFIC 02 177-180*

CMOS UTSi SOI proc. high speed digital PLL, low power design. *Wu, G.C.*, +, *RFIC 02 165-168*

SiGe bipolar PLL freq. synthesizer, VCO and divide-by-16 static freq. divider. *Ritzberger, G.*, +, *MWSYM 02 831-834* vol.2

Digital radio

CMOS Bluetooth receiver IC, 3 V, develop. and implement. *Wenjun Sheng*, +, *RFIC 02 107-110*

CMOS Bluetooth transceiver IC with Cu RF pass., fab. and perform. *Doan, M.T.*, +, *RFIC 02 415-418*

direct carrier modulation, microwave-photonics vector modulator. *Chandramouli, S.*, +, *MWSYM 02 1293-1296* vol.2

GaAs PHEMT direct digital six-port MM wave receiver, Ka-band, QPSK commun. *Ovidiu Tatu, S.*, +, *RFIC 02 155-158*

microwave point-to-point outdoor unit optimized for ultra high vol. mfg. *Louhi, J.T.*, +, *MWSYM 02 795-798* vol.2

microwave technol. in telecomm. syst., future directions. *Sobol, H.*, *T-MTT Mar 02 1037-1038*

PHEMT MM-wave MMIC chipset, 60 GHz wireless links and radar appls. *Fujii, K.*, +, *MWSYM 02 1725-1728* vol.3

six-port direct digital receiver and std. direct receiver results for QPSK modulation at high speeds. *Schiell, J.-C.*, +, *MWSYM 02 931-934* vol.2

Digital radio; cf. Spread spectrum communication

Digital signal processing chips

image rejection/spurious rejection mixers using digital compensation, archit./algm. *Youngjin Kim*, +, *MWSYM 02 799-802* vol.2

microwave syst. DSP, programmability/flexibility. *Asbeck, P.*, +, *T-MTT Mar 02 900-909*

RF pulsewidth modulated microwave sig. generation using delta-sigma modulation. *Keyzer, J.*, +, *MWSYM 02 397-400* vol.1

Digital signals

high-speed digital syst., eye pattern, MTL model. *Antonini, G.*, +, *T-MTT Jul 02 1807-1815*

Digital simulation

EM/microwave education, technol.-based. *Iskander, M.F.*, *T-MTT Mar 02 1015-1020*

spatial power combining MMIC array, global coupled EM-elec.-thermal simul. *Batty, W.*, +, *MWSYM 02 2177-2180* vol.3

Digital subscriber lines

SiGe transceiver chipset for 100 Mbps/1 Gbps digital commun. over CATV. *Alexanian, A.*, +, *RFIC 02 119-122*

Digital systems; cf. Digital communication; Real-time systems

Digital television

SiGe transceiver chipset for 100 Mbps/1 Gbps digital commun. over CATV. *Alexanian, A.*, +, *RFIC 02 119-122*

Diodes; cf. UHF diodes

Dipole antenna arrays

Ka-band printed dipole phased array antenna using microstrip-fed CPS tee jns. *Young-Ho Suh*, +, *MWSYM 02 1321-1324* vol.2

Dipole antennas

dual-freq. printed dipole rectenna, wireless power transm. *Young-Ho Suh*, +, *T-MTT Jul 02 1784-1789*

dual freq. rectenna for high efficiency wireless power transm. at 2.45 and 5.8 GHz. *Young-Ho Suh*, +, *MWSYM 02 1297-1300* vol.2

microstrip tapered balun printed dipole ref., specific absorpt. rate meas. *Richard, M.*, +, *MWSYM 02 1743-1746* vol.3

mutual coupling between discontinuities in planar ccts. *Van Thienen, B.L.A.*, +, *T-MTT Jan 02 155-164*

open structs., freq. parameterization, modal decomp. tech. *Adane, Y.*, +, *MWSYM 02 2017-2020* vol.3

thin-wire model, FDTD method. *Makinen, R.M.*, +, *T-MTT May 02 1245-1255*

Dipole antennas; cf. Dipole antenna arrays

Direct broadcasting by satellite

multistage depressed collector high-efficiency DBS-band klystron. *Habermann, T.*, +, *MWSYM 02 633-636* vol.2

Directed graphs; cf. Belief networks

Directional couplers

coaxial couplers and waveguides with complex cross sect., conformal mapping design/anal. tools. *Teppati, V.*, +, *T-MTT Oct 02 2339-2345*

lumped-element backward directional coupler and. design method. *Taek-Young Song*, +, *MWSYM 02 213-217* vol.1

PCB and LTCC appls. *Sawicki, A.*, +, *MWSYM 02 2225-2228* vol.3

Directional couplers; cf. Microstrip directional couplers; Millimeter wave directional couplers

Directive antennas

freq. autonomous retrodirective array transponder. *Leong, K.M.K.H.*, +, *MWSYM 02 1349-1352* vol.2

retrodirective array, electronic RCS modif. *Fusco, V.F.*, +, *T-MTT Jul 02 1772-1778*

Directive antennas; cf. Horn antennas; Lens antennas

Discharges (electric)

multipactor-free waveguide components for commun. satellites, CAD. *Ludovico, M.*, +, *MWSYM 02 2077-2080* vol.3

Discharges (electric); cf. Electrostatic discharge

Discrete Fourier transforms

digital microwave receiver technol. *Tsui, J.B.Y.*, +, *T-MTT Mar 02 699-705*

first higher order microstrip mode, charact. impedance and propag. in freq. and time domain. *Shyue-Dar Chen*, +, *T-MTT May 02 1370-1379*

Discrete transforms; cf. Discrete Fourier transforms

Diseases; cf. Cancer

Dispersion relations

PC lines, evol. of leaky modes. *Mesa, F.*, +, *T-MTT Jan 02 94-104*

Dispersion (wave)

2D alternating-direction implicit FDTD method, num. dispersion anal. *An Ping Zhao*, *T-MTT Apr 02 1156-1164*

2D envelope finite element tech., implement. of PML and dispersive medium. *Weijun Yao*, +, *MWSYM 02 2061-2064* vol.3

2D full-wave finite-difference freq.-domain method for general guided wave struct. *Yong-Jiu Zhao*, +, *T-MTT Jul 02 1844-1848*

anisotropic ferrite slab waveguides, wave effects rel. to sing. theory. *Yakovlev, A.B.*, +, *MWSYM 02 2021-2024* vol.3

coaxial helical-groove slow-wave struct., dispersion eqn. and coupling impedance. *Guofen Yu*, +, *T-MTT Jan 02 191-200*

conductor-backed slotline, leaky mode, uniplanar leaky wave antenna. *Zehentner, J.*, +, *MWSYM 02 961-964* vol.2

elec.-mag.-elec. slow-wave microstrip line/bandpass filter. *Ching-Kuo Wu*, +, *T-MTT Aug 02 1996-2004*

EME microstrip, leaky-mode array, dispersion charact. *Ching-Kuo Wu*, +, *MWSYM 02 1083-1086* vol.2

FET characts., bias/temp./freq. depend., dyn. behavior. *Parker, A.E.*, +, *MWSYM 02 993-996* vol.2

field-extracted lumped-element models of CPS ccts. and discontinuities, RF design. *Lei Zhu*, +, *T-MTT Apr 02 1207-1215*

full-wave 2D ADI-FDTD method for anal. of arbitrary waveguiding struct., stabil. condition. *Changning Ma*, +, *MWSYM 02 2049-2052* vol.3

inhomog. loaded strictly bidirectional waveguides, freq.-domain anal., eigenfunction expansion. *Przybyszewski, P.*, +, *T-MTT Feb 02 558-563*

metallic holes, EM scatt., microwave cct. design. *Zeid, A.*, +, *T-MTT Apr 02 1198-1206*

multistrip transm. lines, EM eigenvalue problems. *Mrozowski, M.*, +, *T-MTT Oct 02 2409-2411*

plastic photonic cryst. fibers, guided-wave single-mode THz pulse propag. *Han, H.*, +, *MWSYM 02 1075-1078* vol.2

ridge waveguide, dispersion rel. anal. using overlapping T-blocks. *Cho, Y.H.*, +, *T-MTT Oct 02 2368-2373*

scatt. anal., multiresolution time-domain algm., compact wavelet systs. *Dogaru, T.*, +, *T-MTT Jul 02 1752-1760*

Dispersive media

2D envelope finite element tech., implement. of PML and dispersive medium. *Weijun Yao*, +, *MWSYM 02 2061-2064* vol.3

cpd. multilayered struct., material params., GA. *Zwick, T.*, +, *T-MTT Apr 02 1180-1187*

Mobius transform. tech. for FDTD modeling of wave propag. in dispersive media. *Pereda, J.A.*, +, *T-MTT Jul 02 1689-1695*

Display instrumentation; cf. Oscilloscopes; Three-dimensional displays

Distance learning

wireless professionals, microwave indust. outlook, manpower shortage, engng. education. *Besser, L.*, *T-MTT Mar 02 1042-1043*

Distortion control

distortion control tech. for achieving high power efficiency in HPA array. *Kaho, T.*, +, *T-MTT Nov 02 2505-2512*

Distributed algorithms; cf. Parallel algorithms

Distributed amplifiers

AlGaAs/InGaAs/AlGaAs p-HEMT distrib. amp. MMICs, opt. modulator driver appl. *Virk, R.S.*, +, *MWSYM 02 91-95* vol.1

CMOS distributed amp., pass.-free input driver. *Stengel, B.*, +, *RFIC 02 257-260*

GaAs MESFET distributed baseband ICs using artificial-line-division tech. and 3D transm. lines. *Kimura, S.*, +, *T-MTT Jun 02 1603-1608*

GaAs MHEMT distributed amp. for 40-Gb/s opt. appls. *Heins, M.S.*, +, *MWSYM 02 1061-1064* vol.2

- GaAs PHEMT distributed amps. for 40 Gb/s EO modulator driver appl., high output. *Yuen, C.*, +, *MWSYM 02 481-484 vol.1*
- GaAs pHEMT HV 40 Gb/s E/O modulator driver ICs. *Carroll, J.M.*, +, *MWSYM 02 489-492 vol.1*
- LDMOS and PHEMT broadband distributed power amps., 6 W/high efficiency, using LTCC technol. *Lei Zhao*, +, *MWSYM 02 897-900 vol.2*
- Distributed amplifiers; cf.** Traveling wave amplifiers
- Distributed control**
addressing transient errors in passive macromodels of distributed transmission-line networks. *Dounavis, A.*, +, *T-MTT Dec 02 2759-2768*
- Distributed feedback lasers**
predistortion cct. design for 2nd- and 3rd-order lin. in laser-based radio-over-fiber systs. *Roselli, L.*, +, *MWSYM 02 1711-1714 vol.3*
- Distributed parameter filters; cf.** Strip line filters
- Distributed parameter networks**
distributed act. transformer, power-combining and impeded. transform. tech., CMOS power amp. appl. *Aoki, I.*, +, *T-MTT Jan 02 316-331*
- distributed CPW MEMS phase shifters on Si using tapered impedance unit cells. *Lakshminarayanan, B.*, +, *MWSYM 02 1237-1240 vol.2*
- GaAs MESFET distributed baseband ICs using artificial-line-division tech. and 3D transm. lines. *Kimura, S.*, +, *T-MTT Jun 02 1603-1608*
- narrow-band matching networks for quasi-TEM coupled microstrip lines. *Nickel, J.G.*, +, *T-MTT May 02 1392-1399*
- time-domain reflectometry using arbitrary incident waveforms. *Te-Wen Pan*, +, *T-MTT Nov 02 2558-2563*
- transm. line networks, time-domain pass. macromodels. *Dounavis, A.*, +, *MWSYM 02 975-978 vol.2*
- Distributed parameter networks; cf.** Distributed amplifiers
- Diversity reception**
four-column array microstrip antenna, low-loss compact Butler matrix feed. *Bona, M.*, +, *T-MTT Sep 02 2069-2075*
- Nakagami/Rice fading channels, diversity combining techs., generalized soln. *da Silva, C.R.C.M.*, +, *T-MTT Jan 02 46-50*
- Dividing circuits; cf.** Frequency dividers
- Domestic appliances; cf.** Ovens
- Doping profiles**
Si bipolar power amp. for 1.8 GHz appls., high perform. *Carrara, F.*, +, *MWSYM 02 1015-1018 vol.2*
- SiGe HBTs with HV breakdown struct., RF power charact. *Matsuno, T.*, +, *MWSYM 02 293-295 vol.1*
- SiGe RF HBT, LF noise, fig.-of-merit. *Jin Tang*, +, *RFIC 02 333-336*
- SiGe RF HBT technol., LF noise figs.-of-merit. *Jin Tang*, +, *MWSYM 02 179-182 vol.1*
- poly-SiGe:B resistors, LF noise rel. to B doping/Ge content. *Kun-Ming Chen*, +, *MWSYM 02 405-408 vol.1*
- Doppler measurement; cf.** Doppler radar
- Doppler radar**
Doppler speed sens. syst. using sig. proc. approach. *Weber, N.*, +, *MWSYM 02 2233-2235 vol.3*
- vital signs sens. using wireless commun. terminal. *Lubecke, V.*, +, *MWSYM 02 1767-1770 vol.3*
- Dosimetry**
dosimetry, biological effects of radiofrequency/microwave radiation, thermogenic character. *Adair, E.R.*, +, *T-MTT Mar 02 953-962*
- GSM base-station antenna, human exposure eval., multiple-region/FDTD method. *Bernardi, P.*, +, *MWSYM 02 1747-1750 vol.3*
- human tissue, W-band dielec. props./SAR distrib./thermal response. *Gustrau, F.*, +, *T-MTT Oct 02 2393-2400*
- microstrip tapered balun printed dipole ref., specific absorpt. rate meas. *Richard, M.*, +, *MWSYM 02 1743-1746 vol.3*
- radiobase antenna dosimetric problems, parallel FDTD tool. *Catarinucci, L.*, +, *MWSYM 02 1755-1758 vol.3*
- Driver circuits**
AlGaAs/InGaAs/AlGaAs p-HEMT distrib. amp. MMICs, opt. modulator driver appl. *Virk, R.S.*, +, *MWSYM 02 91-95 vol.1*
- CMOS distributed amp., pass.-free input driver. *Stengel, B.*, +, *RFIC 02 257-260*
- front-end CMOS chipset for 10 Gbit/s opt. commun. *Petersen, A.K.*, +, *RFIC 02 93-96*
- GaAs pHEMT HV 40 Gb/s E/O modulator driver ICs. *Carroll, J.M.*, +, *MWSYM 02 489-492 vol.1*
- SiGe BiCMOS TX-IC, W-CDMA mobile terminal. *Joba, H.*, +, *RFIC 02 27-30*
- Dynamic response; cf.** Transient response

E

Economics

- 4G RF systs. on chip or on module, integrat. limit, mobile stds. *Belot, D.*, *RFIC 02 199-202*

+ Check author entry for coauthors

Eddy current losses

- RFIC, spiral inductor, wideband compact model. *Melendy, D.*, +, *MWSYM 02 717-720 vol.2*
- RFIC, submicron technol., spiral inductor, dummy pattern. *Jae-Hong Chang*, +, *MWSYM 02 529-532 vol.1*
- RF integrated inductors, freq.-depend. compact model. *Sieiro, J.*, +, *T-MTT Jan 02 384-392*
- Si based monolithic integrated transformers, substr. RF losses. *Ng, K.T.*, +, *T-MTT Jan 02 377-383*

Eddy currents

- CMOS microstrip transm. line struct., eddy current suppression. *Peter, M.*, +, *MWSYM 02 2001-2004 vol.3*
- lossy transm. lines, steady-state skin-effect anal., FEM-based reduced-order model. *Bertazzi, F.*, +, *MWSYM 02 2025-2028 vol.3*
- spiral inductor modeling with eddy-current effect, series resist. predict. *Ban-Leong Ooi*, +, *T-MTT Sep 02 2202-2206*
- spiral inductors in bulk CMOS, design, 6-layer Cu interconnects. *Kuhn, W.B.*, +, *RFIC 02 385-388*

Education; cf. Continuing education; Distance learning; Teaching

Educational aids

- EM/microwave education, technol.-based. *Iskander, M.F.*, *T-MTT Mar 02 1015-1020*

Educational computing; cf. Computer aided instruction

Eigenvalues and eigenfunctions

- 2D full-wave finite-difference freq.-domain method for general guided wave struct. *Yong-Jiu Zhao*, +, *T-MTT Jul 02 1844-1848*
- capacitive defect EBG resonator. *Xun Gong*, +, *MWSYM 02 1091-1094 vol.2*
- confocal annular ellipt. waveguides & resonators, atten. characts. *Gutierrez-Vega, J.C.*, +, *T-MTT Apr 02 1095-1100*
- conical waveguide and free-space, ϕ =constant mode. *Van Bladel, J.*, *T-MTT Apr 02 1233-1237*
- extended FDTD tech. includ. pass. and act. elements, stabil. anal. *Thiel, W.*, +, *T-MTT Sep 02 2159-2165*
- generalized reaction and unrestricted variational formulation of cavity resonators - part I, basic theory. *Shams-Zadeh-Amiri, A.M.*, +, *T-MTT Nov 02 2480-2490*
- generalized reaction and unrestricted variational formulation of cavity resonators - part II, nonorthogonal and free-boundary mode-matching method. *Shams-Zadeh-Amiri, A.M.*, +, *T-MTT Nov 02 2491-2498*
- inhomog. loaded strictly bidirectional waveguides, freq.-domain anal., eigenfunction expansion. *Przybyszewski, P.*, +, *T-MTT Feb 02 558-563*
- lossy and unbounded EM eigenvalue problems, robust finite-element soln. *Yu Zhu*, +, *T-MTT Oct 02 2331-2338*
- lossy inhomog. anisotropic waveguides, fast reduced-order model for full-wave FEM anal. *Bertazzi, F.*, +, *T-MTT Sep 02 2108-2114*
- metamaterials, effective material params. calc., FDTD and modal approach, reson. struct. *Schuhmann, R.*, +, *MWSYM 02 2037-2040 vol.3*
- microwave field, FDTD anal., num. divergence errors. *Celuch-Marcysiak, M.*, *MWSYM 02 751-754 vol.2*
- mode-matching tech., line-integral formulation. *Figlia, G.*, +, *T-MTT Feb 02 578-580*
- multiconductor transm. lines, full-wave anal./modeling via 2D FDTD/sig.-proc. techs. *Feng Liu*, +, *T-MTT Feb 02 570-577*
- multistrip transm. lines, EM eigenvalue problems. *Mrozowski, M.*, +, *T-MTT Oct 02 2409-2411*
- multistrip transm. lines, EM eigenvalue problems, full-wave anal. *Casanueva, A.*, +, *T-MTT Jan 02 36-40*
- nonphysical leaky mode for fields excited by practical source in PC transm. lines. *Tsuji, M.*, +, *MWSYM 02 957-960 vol.2*

Electric admittance

- CMOS RFIC, lin. anal., transconductance & output conductance. *Sanghoon Kang*, +, *RFIC 02 363-366*
- interdigital hairpin bandpass filter, design using model of coupled slots. *Deleniv, A.N.*, +, *T-MTT Sep 02 2153-2158*
- patch antennas using microstrip disk resonators with stubs, theoretical study. *Dmitriev, V.A.*, +, *T-MTT Jan 02 27-29*
- symmetric coupled-microstrip systs., longit. multiconductor transm. line fns. investig. *Nickel, J.G.*, +, *T-MTT Jan 02 183-190*

Electric admittance measurement

- SiGe high-speed bipolar ICs, weak substr. coupling meas./simul. *Steiner, W.*, +, *T-MTT Jul 02 1705-1713*

Electrical conductivity

- RF MEMS, at. layer deposition technol., long-term reliab. failures. *Hoivik, N.*, +, *MWSYM 02 1229-1232 vol.2*

Electrical conductivity; cf. Surface conductivity

Electrical conductivity measurement

- sintered conductor and dielec. substr. interface, effective cond. meas., microwave freqs. *Nakayama, A.*, +, *T-MTT Jul 02 1665-1674*

Electrical discharge machining

- W-band high-power squeeze-type phase shifter. *Hill, M.E.*, +, *T-MTT May 02 1437-1441*

Electrical engineering; cf. Electrical engineering computing; Electrical engineering education

Electrical engineering computing

CAD of waveguide struct. with prod. based rads. at double plane steps and jn. ports. *Reiter, J.M.*, +, *MWSYM 02* 2081-2084 vol.3
coaxial couplers and waveguides with complex cross sect., conformal mapping design/anal. tools. *Teppati, V.*, +, *T-MTT Oct 02* 2339-2345
combine-type filters, ANN and EM based models for excitation loops. *Borji, A.*, +, *MWSYM 02* 2105-2108 vol.3
multipactor-free waveguide components for commun. satellites, CAD. *Ludovico, M.*, +, *MWSYM 02* 2077-2080 vol.3
Trefftz FEM for comput. EM, TLM method. *Shlepnev, Y.O.*, *T-MTT May 02* 1328-1339

Electrical engineering computing; cf. Electronic engineering computing

Electrical engineering education

Asia-Pacific region microwave educ. & R&D initiatives. *Yamashita, E.*, +, *T-MTT Mar 02* 1046-1055
European microwave activities & infrastructures, overview. *Sorrentino, R.*, +, *T-MTT Mar 02* 1056-1072
microwave indust. outlook, overview. *Staecker, P.*, *T-MTT Mar 02* 1034-1036

Electrical engineering education; cf. Electronic engineering education; Telecommunication engineering education

Electrical faults; cf. Electric distortion; Fault location

Electric breakdown

characterization and modeling of bias dependent breakdown and self-heating in GaInP/GaAs power HBT to improve high power amplifier design. *Heckmann, S.*, +, *T-MTT Dec 02* 2811-2819
CMOS VCO, hot carriers and soft breakdown. *Xiao, E.*, +, *MWSYM 02* 569-572 vol.1
GaN HEMT MMIC power amp. design appls. *Pribble, W.L.*, +, *MWSYM 02* 1819-1822 vol.3
hot-carrier and soft-breakdown effects on VCO performance. *Enjun Xiao*, +, *T-MTT Nov 02* 2453-2458
modeling and charactn. of SiGe HBT LF noise figures-of-merit for RFIC appls. *Jin Tang*, +, *T-MTT Nov 02* 2467-2473
RF power MOS, single chip technol. *Heng-Ming Hsu*, +, *MWSYM 02* 1027-1030 vol.2
SiC MESFET MMIC power amp. design appls. *Pribble, W.L.*, +, *MWSYM 02* 1819-1822 vol.3

Electric breakdown; cf. Avalanche breakdown; Discharges (electric); Semiconductor device breakdown

Electric control equipment; cf. Electric sensing devices; Switches

Electric current

AlGaIn/GaN microwave power HEMTs on 4" Si wafers, charact. *Manohar, S.*, +, *MWSYM 02* 449-452 vol.1
SiGe RF HBT technol., LF noise figs.-of-merit. *Jin Tang*, +, *MWSYM 02* 179-182 vol.1

Electric current; cf. Current density; Eddy currents

Electric distortion

carrier power to intermodulation-distortion power-ratio-increasing technique in active phased-array antenna systems. *Kaho, T.*, +, *T-MTT Dec 02* 2987-2994
feedforward amp., error sig. reuse. *Khanifar, A.*, +, *MWSYM 02* 473-475 vol.1
GaAs MESFET MMIC mixers, HIPERLAN appl., low distortion. *Ellinger, F.*, +, *T-MTT Jan 02* 178-182
microwave communication link with self-heterodyne direct down conversion and system predistortion. *Park, J.*, +, *T-MTT Dec 02* 3059-3063
new "active" predistorter with high gain and prog. gain and phase characts. using cascode-FET structs. *Junghyun Kim*, +, *T-MTT Nov 02* 2459-2466
nonlin. AC FET model, extraction using small-sig. S-params. *Vuolevi, J.H.K.*, +, *T-MTT May 02* 1311-1315
optimum bias conditions for linear broad-band InGaP/GaAs HBT power amplifiers. *Iwamoto, M.*, +, *T-MTT Dec 02* 2954-2962
power-amplifier module with digital adaptive predistortion for cellular phones. *Kusunoki, S.*, +, *T-MTT Dec 02* 2979-2986
prediction of IMD in LDMOS transistor amplifiers using new large-signal model. *Fager, C.*, +, *T-MTT Dec 02* 2834-2842
realistic power-amplifiers characterization with application to baseband digital predistortion for 3G base stations. *Boumaiza, S.*, +, *T-MTT Dec 02* 3016-3021
W-CDMA base-station power amp. using adaptive digital predistort., syst. anal. *Potter, C.*, *MWSYM 02* 21-25 vol.1

Electric distortion; cf. Nonlinear distortion

Electric distortion measurement

satellite repeater amp. charactn., large bandwidth NPR/modulated sig. meas. *Mallet, A.*, +, *MWSYM 02* 2245-2248 vol.3

Electric field effects; cf. Electric breakdown

Electric field integral equations

3D structs., wideband EM response, Laguerre series expansion. *Sarkar, T.K.*, +, *MWSYM 02* 1989-1992 vol.3

microstrip resonators fabricated on magnetized ferrites with arbitrarily oriented bias mag. field. *Leon, G.*, +, *T-MTT Jun 02* 1510-1519
mixed-sig. IC interconnects, EM modeling, num. stable methodology. *Rong, A.*, +, *MWSYM 02* 1893-1896 vol.3

OC-192/OC-768 fiber opt. ICs, global layout model, quasistatic MoM. *Huang, C.-W.P.*, +, *RFIC 02* 97-100

planar anisotropic layered printed struct., react. integrals in EFIE anal. *Mesa, F.*, +, *T-MTT Sep 02* 2142-2146

planar ccts./MEMS, time/freq. domain modeling using EM solvers, efficiency comparisons. *Pierantoni, L.*, +, *MWSYM 02* 891-894 vol.2

Electric field measurement

opt. field-tunable probe, elec. and mag. field meas. *Reano, R.M.*, +, *MWSYM 02* 1513-1516 vol.3

right-angle bends, elec. field obs. of ps. pulse propag. by photocond. near-field probe. *Jongjoo Lee*, +, *MWSYM 02* 1509-1512 vol.3

Electric heating; cf. Radiofrequency heating

Electric immittance

symmetric coupled-microstrip systs., longit. multiconductor transm. line fns. investig. *Nickel, J.G.*, +, *T-MTT Jan 02* 183-190

Electric immittance; cf. Electric admittance; Electric impedance

Electric immittance measurement; cf. Electric admittance measurement; Electric impedance measurement

Electric impedance

anal. and appl. of new quasi-network characts. of nonuniform mesh in FDTD simul. *Yan Zhang*, +, *T-MTT Nov 02* 2519-2526

coaxial couplers and waveguides with complex cross sect., conformal mapping design/anal. tools. *Teppati, V.*, +, *T-MTT Oct 02* 2339-2345

comments, with reply, on "General oscillator characterization using linear open-loop S-parameters" (Jun 01 1094-1100). *Cascio, L.*, +, *T-MTT Jan 02* 226-228

first higher order microstrip mode, charact. impedance and propag. in freq. and time domain. *Shyue-Dar Chen*, +, *T-MTT May 02* 1370-1379

HBT, intermodulation asymmetry, time domain meas. syst. *Williams, D.J.*, +, *MWSYM 02* 1841-1844 vol.3

multiconductor transm. lines, full-wave anal./modeling via 2D FDTD/sig.-proc. techs. *Feng Liu*, +, *T-MTT Feb 02* 570-577

parallel-plate dielec. waveguide, excitation by coaxial probe study. *Kwan, G.K.C.*, +, *T-MTT Jun 02* 1609-1620

patch antennas using microstrip disk resonators with stubs, theoretical study. *Dmitriev, V.A.*, +, *T-MTT Jan 02* 27-29

power MESFETs, direct obs. of loadlines using av. RF gate and drain currents. *Meng, C.C.*, +, *MWSYM 02* 2161-2164 vol.3

RF CMOS, S-param. kink phenom., small-sig. substr. resist. effect. *Yo-Sheng Lin*, +, *MWSYM 02* 161-164 vol.1

thin metal wires in rect. waveguide, scatt. and absorpt. study. *Bingle, M.*, +, *T-MTT Jun 02* 1621-1627

Electric impedance; cf. Electric resistance; Impedance matrix

Electric impedance measurement

helical slow-wave struct., cond. perturber dia. effect on nonresonant meas. of interact. impedance. *Sun-Shin Jung*, +, *T-MTT Sep 02* 2196-2198

Electricity; cf. Electric current

Electricity supply industry

fixed wireless utility network, low-IF receiver, dyn. range. *Thumaty, S.*, +, *MWSYM 02* 935-938 vol.2

Electric noise measurement

noise models, noise fig. meas. *Rudolph, M.*, +, *T-MTT Feb 02* 461-464

ultra-fast broadband time domain EMI meas. syst. using spectral estim. *Krug, F.*, +, *MWSYM 02* 2237-2240 vol.3

uncertainty, Monte Carlo simul. *Randa, J.*, *MWSYM 02* 1845-1848 vol.3

vector corrected noise temp. meas., one-port tech. *Weatherspoon, M.H.*, +, *MWSYM 02* 2253-2256 vol.3

Electric potential

arbitrarily terminated nonuniform transm. lines, synthesis, pot. fn., Cauchy data. *Xiao, G.*, +, *T-MTT Aug 02* 2025-2028

Electric properties; cf. Electrical conductivity

Electric resistance

spiral inductor modeling with eddy-current effect, series resist. predict. *Ban-Leong Ooi*, +, *T-MTT Sep 02* 2202-2206

Electric resistance; cf. Contact resistance

Electric sensing devices

adaptive multi-functional array for wireless sens. systs., reconfigurable phased array commun. *Miyamoto, R.Y.*, +, *MWSYM 02* 1369-1372 vol.2

GaAs thermoelec. microwave power sens., broadband/MMIC compatible, using std. foundry proc. *Dehe, A.*, +, *MWSYM 02* 1829-1832 vol.3

Electric variables control; cf. Gain control; Power control

Electric variables measurement

probe-tone S-param. meas. tech. for power amps. *Martens, J.*, +, *T-MTT Sep 02* 2076-2082

Electric variables measurement; cf. Electrical conductivity measurement; Electric distortion measurement; Electric field measurement; Electric noise measurement; Gain measurement; Phase measurement; Power measurement; Voltage measurement

Electroabsorption

TW electroabsorption modulator, cct. model. *Jiyoun Lim*, +, *MWSYM 02 1707-1710* vol.3

Electrodeposition; cf. Electroplating

Electrodeposits; cf. Electroplated coatings

Electrodes

multistage depressed collector high-efficiency DBS-band klystron. *Habermann, T.*, +, *MWSYM 02 633-636* vol.2

Electrodes; cf. Cathodes

Electroforming; cf. LIGA

Electromagnetic compatibility

CMOS RFICs, EM isolation and coupling characts. for crosstalk suppress. *Adan, A.O.*, +, *MWSYM 02 39-42* vol.1

mutual coupling between discontinuities in planar ccts. *Van Thielen, B.L.A.*, +, *T-MTT Jan 02 155-164*

rect. apertures backed by rect. cavities, circuital approach to EM field eval. *Azaro, R.*, +, *T-MTT Oct 02 2259-2266*

Electromagnetic coupling

adjacent coplanar spiral inductors, substr. coupling effects. *Chao, C.-J.*, +, *MWSYM 02 157-160* vol.1

CMOS RFICs, EM isolation and coupling characts. for crosstalk suppress. *Adan, A.O.*, +, *MWSYM 02 39-42* vol.1

combline-type filters, ANN and EM based models for excitation loops. *Borji, A.*, +, *MWSYM 02 2105-2108* vol.3

distributed act. transformer, power-combining and imped. transform. tech., CMOS power amp. appl. *Aoki, I.*, +, *T-MTT Jan 02 316-331*

microwave feedback oscillator using double-sided MIC tech. *Kawahata, K.I.*, +, *MWSYM 02 699-702* vol.2

PCB, RF multilayer layout, EM coupling, full-wave model. *Abdul-Gaffoor, M.R.*, +, *T-MTT Jun 02 1445-1457*

RF ccts., EM coupling. *Adan, A.O.*, +, *RFIC 02 293-296*

RF integrated inductors, freq.-depend. compact model. *Sieiro, J.*, +, *T-MTT Jan 02 384-392*

SiGe high-speed bipolar ICs, weak substr. coupling meas./simul. *Steiner, W.*, +, *T-MTT Jul 02 1705-1713*

SiGe MMIC, flip-chipped on LTCC MCM, multi-path couplings suppress. *Nishino, T.*, +, *MWSYM 02 1385-1388* vol.3

spiral inductor resonator filter design and optim. *Gye-An Lee*, +, *MWSYM 02 1621-1624* vol.3

Electromagnetic devices

1999 International Microwave and Optoelectronics Conference (special issue). *T-MTT Jan 02 1-93*

1999 International Microwave and Optoelectronics Conference (special issue intro.). *Hernandez-Figueroa, H.E.*, +, *T-MTT Jan 02 1-3*

EM-based optimization exploiting partial space mapping and exact sensitivities. *Bandler, J.W.*, +, *T-MTT Dec 02 2741-2750*

feasible adjoint sensitivity technique for EM design optimization. *Georgieva, N.K.*, +, *T-MTT Dec 02 2751-2758*

global coupled EM-electrical-thermal simulation and experimental validation for spatial power combining MMIC array. *Batty, W.*, +, *T-MTT Dec 02 2820-2833*

Electromagnetic fields

anisotropic stripline struct., printed apertures, dyn. model. *Lacava, J.C.D.S.*, +, *T-MTT Jan 02 22-26*

EM field BVP, symmetric successive overrelaxation preconditioning conjug.-gradient method. *Ru-Shan Chen*, +, *T-MTT Apr 02 1165-1172*

EM problems, FDTD method, custom hardware implement. *Schneider, R.N.*, +, *MWSYM 02 875-878* vol.2

GSM base-station antenna, human exposure eval., multiple-region/FDTD method. *Bernardi, P.*, +, *MWSYM 02 1747-1750* vol.3

near field to far field time domain transform. for FDTD in two dims., transient response. *Feng Xu*, +, *MWSYM 02 2057-2060* vol.3

RF/microwave ccts./sys., CAD/CAE. *Steer, M.B.*, +, *T-MTT Mar 02 996-1005*

static and quasi-static fields inherent to pulsed FDTD method, trailing dc offsets. *Pontalti, R.*, +, *T-MTT Aug 02 2022-2025*

theoretical evaluation of GSM/UMTS electromagnetic fields on neuronal network response. *Apollonio, F.*, +, *T-MTT Dec 02 3029-3035*

units and eqns., wave propag. and microwave engng. *Leo Young*, *T-MTT Mar 02 1021-1027*

wideband EM response through Laguerre expansion using early-time and LF data. *Sarokr, T.K.*, +, *T-MTT May 02 1408-1416*

Electromagnetic field theory

2D stratified medium, EM field, num. tech. *Aksun, M.I.*, +, *T-MTT May 02 1264-1274*

3D structs., wideband EM response, Laguerre series expansion. *Sarkar, T.K.*, +, *MWSYM 02 1989-1992* vol.3

3D symmetric condensed node TLM, time domain field synthesis. *Bakr, M.H.*, +, *MWSYM 02 1131-1134* vol.2

EM/microwave education, technol.-based. *Iskander, M.F.*, *T-MTT Mar 02 1015-1020*

grounded dielec. slab, thick/lossy, complete pole location. *Swee-Ann Teo*, +, *T-MTT Feb 02 440-445*

lossy and unbounded EM eigenvalue problems, robust finite-element soln. *Yu Zhu*, +, *T-MTT Oct 02 2331-2338*

microwave field, FDTD anal., num. divergence errors. *Celuch-Marcysiak, M.*, *MWSYM 02 751-754* vol.2

microwave IC modeling using concurrent complementary operators method. *Lan, K.*, +, *MWSYM 02 887-890* vol.2

microwave struct., fast finite-element-based field optimizer using anal. calc. gradients. *Harscher, P.*, +, *T-MTT Feb 02 433-439*

periodic structs., RWG triangle subdomain basis fns. modif. *Simon, P.S.*, *MWSYM 02 2029-2032* vol.3

planar ccts./MEMS, time/freq. domain modeling using EM solvers, efficiency comparisons. *Pierantoni, L.*, +, *MWSYM 02 891-894* vol.2

rect. apertures backed by rect. cavities, circuital approach to EM field eval. *Azaro, R.*, +, *T-MTT Oct 02 2259-2266*

RF struct. optim., multiresolution time-domain adaptive schemes using arbitrary wavelet resols. *Tentzeris, E.M.*, +, *T-MTT Feb 02 501-516*

spatial power combining MMIC array, global coupled EM-elec.-thermal simul. *Batty, W.*, +, *MWSYM 02 2177-2180* vol.3

transient EM problems in terms of collinear vector pot. *Georgieva, N.K.*, *T-MTT Aug 02 1950-1959*

Trefftz FEM for comput. EM, TLM method. *Shlepnev, Y.O.*, *T-MTT May 02 1328-1339*

unconditionally stable FDTD method in cylindrical coord. syst. *Chenghao Yuan*, +, *T-MTT Oct 02 2401-2405*

uniplanar transm. lines, surface leaky waves, representation. *Machac, J.*, +, *T-MTT Feb 02 583-585*

wave propag., inhomog. media, split-field/anisotropic medium PML-FDTD implement. *Teixeira, F.L.*, +, *T-MTT Jan 02 30-35*

Electromagnetic induction; cf. Inductance

Electromagnetic interference

mixed-sig. IC interconnects, EM modeling, num. stable methodology. *Rong, A.*, +, *MWSYM 02 1893-1896* vol.3

ultra-fast broadband time domain EMI meas. syst. using spectral estim. *Krug, F.*, +, *MWSYM 02 2237-2240* vol.3

Electromagnetic interference; cf. Radiofrequency interference

Electromagnetic oscillations

wide microstrip line, HF spurious effects. *Mesa, F.*, +, *MWSYM 02 945-948* vol.2

Electromagnetic pulse

EM pulse transient interact. with air layer in dielec. medium using wavelet-based implicit TDIE formulation. *Shifman, Y.*, +, *T-MTT Aug 02 2018-2022*

Electromagnetic shielding

multiresolution time-domain scheme for microwave struct., multiple image tech., anisotropic perfectly matched layer. *Qunsheng Cao*, +, *T-MTT Jun 02 1578-1589*

optoelectronic array packaging, micromachined partially shielded microstrip interconnect. *Banerjee, S.R.*, +, *MWSYM 02 1565-1568* vol.3

planar struct., summation-by-parts algm., convergence accel. *Mosig, J.R.*, +, *T-MTT Jan 02 215-218*

rect. apertures backed by rect. cavities, circuital approach to EM field eval. *Azaro, R.*, +, *T-MTT Oct 02 2259-2266*

SiGe MMIC, flip-chipped on LTCC MCM, multi-path couplings suppress. *Nishino, T.*, +, *MWSYM 02 1385-1388* vol.3

Electromagnetic wave absorption

3D SCN TLM method, Z-transform-based ABC. *Zhenhai Shao*, +, *T-MTT Jan 02 222-225*

confocal annular ellipt. waveguides & resonators, atten. characts. *Gutierrez-Vega, J.C.*, +, *T-MTT Apr 02 1095-1100*

frozen packed beds, microwave melting, rect. waveguide appl. *Ratanadecho, P.*, +, *T-MTT Jun 02 1495-1502*

Ka-band satellite-earth links in Pacific maritime climate, rain fading charact. *Amaya, C.*, +, *T-MTT Jan 02 41-45*

microwave absorber, surface-printed conductive line pattern. *Amano, M.*, +, *MWSYM 02 1193-1196* vol.2

perfectly matched layers, 3D finite-difference freq.-domain method. *Tischler, T.*, +, *MWSYM 02 1885-1888* vol.3

PML ABC errors in FEM, mesh compression. *Mitchell, A.*, +, *T-MTT May 02 1297-1302*

propag., inhomog. media, split-field/anisotropic medium PML-FDTD implement. *Teixeira, F.L.*, +, *T-MTT Jan 02 30-35*

thin metal wires in rect. waveguide, scatt. and absorpt. study. *Bingle, M.*, +, *T-MTT Jun 02 1621-1627*

Electromagnetic wave diffraction

planar ccts./MEMS, time/freq. domain modeling using EM solvers, efficiency comparisons. *Pierantoni, L.*, +, *MWSYM 02 891-894* vol.2

quasi-opt. mode converter, reflector cell, vector diff. theory, GO. *Shiwen Yang*, +, *T-MTT Jul 02 1849-1852*

Electromagnetic wave interferometers; cf. Radiowave interferometers**Electromagnetic wave interferometry**

fusion plasma diagnostics, THz techs. use. *Deng, B.H.*, +, *MWSYM 02 1587-1590* vol.3

Electromagnetic wave polarization

circ. polarized rectifying antenna array, wireless microwave power transm. *Strassner, B.*, +, *MWSYM 02 1535-1538* vol.3

circ. waveguide polarizers with ellipt. irises, full-wave design & optim. *Bertin, G.*, +, *T-MTT Apr 02 1077-1083*

meanderless slot arrays on elec. thick substrs. at MM-wave freqs. *Meide Qiu*, +, *T-MTT Feb 02 517-528*

mono-grooved circ. waveguide polarizers, mode-matching techs., W-band. *Yoneda, N.*, +, *MWSYM 02 821-824* vol.2

Electromagnetic wave propagation

2D alternating-direction implicit FDTD method, num. dispersion anal. *An Ping Zhao*, *T-MTT Apr 02 1156-1164*

2D envelope finite element tech., implement. of PML and dispersive medium. *Weijun Yao*, +, *MWSYM 02 2061-2064* vol.3

EM pulse transient interact. with air layer in dielec. medium using wavelet-based implicit TDIE formulation. *Shifman, Y.*, +, *T-MTT Aug 02 2018-2022*

Ka-band satellite-earth links in Pacific maritime climate, rain fading charact. *Amaya, C.*, +, *T-MTT Jan 02 41-45*

MIS interconnect, wave propag., device-level simul. *Gaofeng Wang*, +, *T-MTT Apr 02 1127-1136*

Mobius transform. tech. for FDTD modeling of wave propag. in dispersive media. *Pereda, J.A.*, +, *T-MTT Jul 02 1689-1695*

multistrip transm. lines, EM eigenvalue problems, full-wave anal. *Casanueva, A.*, +, *T-MTT Jan 02 36-40*

plastic photonic cryst. fibers, guided-wave single-mode THz pulse propag. *Han, H.*, +, *MWSYM 02 1075-1078* vol.2

propag., inhomog. media, split-field/anisotropic medium PML-FDTD implement. *Teixeira, F.L.*, +, *T-MTT Jan 02 30-35*

static and quasi-static fields inherent to pulsed FDTD method, trailing dc offsets. *Pontalti, R.*, +, *T-MTT Aug 02 2022-2025*

units and eqns., wave propag. and microwave engng. *Leo Young*, *T-MTT Mar 02 1021-1027*

Electromagnetic wave propagation; cf. Radiowave propagation**Electromagnetic wave reflection**

act. device charactn., source refl. coeff. meas. tech. *Madonna, G.*, +, *T-MTT Feb 02 564-569*

dielec. resonator unloaded Q-factor meas. by transm./refl. mode methods using S-param. circle fitting. *Leong, K.*, +, *MWSYM 02 1665-1668* vol.3

ferrite filled reflector mode converter for axially corrugated waveguides. *Viitanen, A.J.*, +, *MWSYM 02 1997-2000* vol.3

Electromagnetic wave refraction

neg. refr. index metamaterials supporting 2-D waves. *Iyer, A.K.*, +, *MWSYM 02 1067-1070* vol.2

Electromagnetic waves

approx. analytical eval. of continuous spectrum in substrate-superstrate dielectric waveguide. *Baccarelli, P.*, +, *T-MTT Dec 02 2690-2701*

danger of high-frequency spurious effects on wide microstrip line. *Mesa, F.*, +, *T-MTT Dec 02 2679-2689*

dual-frequency electric-magnetic-electric microstrip leaky-mode antenna of single fan beam. *Chen, Y.C.*, +, *T-MTT Dec 02 2713-2720*

lossy and unbounded EM eigenvalue problems, robust finite-element soln. *Yu Zhu*, +, *T-MTT Oct 02 2331-2338*

Electromagnetic waves; cf. Bremsstrahlung; Cherenkov radiation; Heat radiation; Surface electromagnetic waves; Transition radiation**Electromagnetic wave scattering**

2D image reconstruction algm. based on FDTD/design sensitivity anal. *No-Weon Kang*, +, *MWSYM 02 1143-1146* vol.2

act. microwave imaging, 2D forward and inverse scatt. methods, breast tumor detect. appl. *Qing Huo Liu*, +, *T-MTT Jan 02 123-133*

metallic holes, EM scatt., microwave cct. design. *Zeid, A.*, +, *T-MTT Apr 02 1198-1206*

microwave device optim., EM scatt., 2D p-adaptive FEM. *Gavrilovic, M.M.*, +, *T-MTT Aug 02 1901-1911*

microwave struct., fast finite-element-based field optimizer using anal. calc. gradients. *Harscher, P.*, +, *T-MTT Feb 02 433-439*

mode-matching tech., line-integral formulation. *Figlia, G.*, +, *T-MTT Feb 02 578-580*

multiresolution time-domain algm., compact wavelet systs. *Dogaru, T.*, +, *T-MTT Jul 02 1752-1760*

near field to far field time domain transform. for FDTD in two dimens., transient response. *Feng Xu*, +, *MWSYM 02 2057-2060* vol.3

planar anisotropic layered printed struct., react. integrals in EFIE anal. *Mesa, F.*, +, *T-MTT Sep 02 2142-2146*

planar waveguides, multiple scatt. among vias, sparse-matrix canonical-grid method. *Chung-Chi Huang*, +, *MWSYM 02 2045-2048* vol.3

rect. conducting patches on uniaxial dielec. anisotropic substr., EM scatt. by FSS. *Campos, A.L.P.S.*, +, *T-MTT Jan 02 72-76*

thin metal wires in rect. waveguide, scatt. and absorpt. study. *Bingle, M.*, +, *T-MTT Jun 02 1621-1627*

varactor loaded reflectarray antenna, beam steering, phase distrib. *Boccia, L.*, +, *MWSYM 02 69-73* vol.1

wideband EM response through Laguerre expansion using early-time and LF data. *Sarakr, T.K.*, +, *T-MTT May 02 1408-1416*

Electromagnetic wave transmission

dielec. resonator unloaded Q-factor meas. by transm./refl. mode methods using S-param. circle fitting. *Leong, K.*, +, *MWSYM 02 1665-1668* vol.3

Electromagnetic wave transmission; cf. Light transmission**Electromagnetism**

3D SCN TLM method, Z-transform-based ABC. *Zhenhai Shao*, +, *T-MTT Jan 02 222-225*

implicit space mapping EM-based modeling and design of microwave ccts. *Bandler, J.W.*, +, *MWSYM 02 713-716* vol.2

Electromagnetism; cf. Electromagnetic coupling; Electromagnetic field theory; Maxwell equations**Electromechanical filters; cf.** Crystal filters**Electron beam applications; cf.** Electron beam lithography**Electron beam lithography**

microwave solid-state act. devices. *Haddad, G.I.*, +, *T-MTT Mar 02 760-779*

Electron beams

gyrotron ideal Gaussian beams, phase retrieval, irradiance moments method. *Anderson, J.P.*, +, *T-MTT Jun 02 1526-1535*

Electron device manufacture; cf. Integrated circuit manufacture**Electron device noise**

act. device charactn., source refl. coeff. meas. tech. *Madonna, G.*, +, *T-MTT Feb 02 564-569*

Electron device noise; cf. Semiconductor device noise**Electron device testing**

act. device charactn., source refl. coeff. meas. tech. *Madonna, G.*, +, *T-MTT Feb 02 564-569*

Electron device testing; cf. Semiconductor device testing**Electron emission; cf.** Thermionic electron emission**Electron gas; cf.** Two-dimensional electron gas**Electronic design automation**

EM based optim. of advanced waffle-iron and rect. combline filters, CAD method. *Arndt, F.*, +, *MWSYM 02 2053-2056* vol.3

feasible adjoint sensitivity technique for EM design optimization. *Georgieva, N.K.*, +, *T-MTT Dec 02 2751-2758*

manifold MUX, hybrid cct.-full-wave CAD. *Accatino, L.*, +, *T-MTT Sep 02 2044-2047*

microwave device optim., EM scatt., 2D p-adaptive FEM. *Gavrilovic, M.M.*, +, *T-MTT Aug 02 1901-1911*

microwave modeling, knowledge based automatic model generation. *Devabhaktuni, V.*, +, *MWSYM 02 1097-1100* vol.2

rect. waveguide filters, integral eqn./boundary integral-reson. mode expansion method anal. *Boria, V.E.*, +, *MWSYM 02 393-396* vol.1

RF/microwave ccts./systs., CAD/CAE. *Steer, M.B.*, +, *T-MTT Mar 02 996-1005*

spatial power combining MMIC array, global coupled EM-elec.-thermal simul. *Batty, W.*, +, *MWSYM 02 2177-2180* vol.3

telecom front-ends, syst.-level architectural design, modeling and anal. *Gielen, G.G.E.*, *T-MTT Jan 02 360-368*

TWTA perform. eval./design optim. for multi-level digital commun. appls. *Qiu, J.*, +, *MWSYM 02 457-460* vol.1

Electronic design automation; cf. Circuit CAD; Circuit layout CAD**Electronic engineering; cf.** Cryogenic electronics; Electronic engineering computing; Electronic engineering education; Low-power electronics**Electronic engineering computing**

multi-fingered PHEMTs, electrothermal modeling. *Byk, E.*, +, *MWSYM 02 2085-2088* vol.3

PHEMT, neural model, training data. *Joodaki, M.*, +, *MWSYM 02 1105-1108* vol.2

Electronic engineering computing; cf. Circuit analysis computing; Electronic design automation; Logic CAD; SPICE**Electronic engineering education**

EM/microwave education, technol.-based. *Iskander, M.F.*, *T-MTT Mar 02 1015-1020*

microwave/RF education, past/present/future. *Gupta, K.C.*, +, *T-MTT Mar 02 1006-1014*

Electronic equipment manufacture; cf. Printed circuit manufacture**Electronic equipment testing**

probe-tone S-param. meas. tech. for power amps. *Martens, J.*, +, *T-MTT Sep 02 2076-2082*

Electronic equipment testing; cf. Circuit testing; Telecommunication equipment testing**Electronics industry**

microwave indust. outlook, overview. *Staecker, P.*, *T-MTT Mar 02 1034-1036*

Electronic warfare

battle phases, time- and freq.-multiplexed basis. *Spezio, A.E.*, *T-MTT Mar 02 633-644*

- wideband high dyn. range receiver MMIC for EW appls. *Bannister, D.C.*, +, *RFIC 02* 147-149
- Electronic warfare; cf.** Jamming
- Electron traps**
AlGaIn/GaN wide-bandgap microwave HEMTs, trapping effects. *Binari, S.C.*, +, *MWSYM 02* 1823-1826 vol.3
GaN wide-bandgap microwave MESFETs, trapping effects. *Binari, S.C.*, +, *MWSYM 02* 1823-1826 vol.3
SiC wide-bandgap microwave MESFETs, trapping effects. *Binari, S.C.*, +, *MWSYM 02* 1823-1826 vol.3
- Electron tubes; cf.** Microwave tubes; Millimeter wave tubes; Relativistic electron beam tubes
- Electron wave tubes; cf.** Traveling wave tubes
- Electro-optical devices**
high-bandwidth sampling oscilloscope calib., NPL optoelectronic syst. *Smith, A.J.A.*, +, *MWSYM 02* 1501-1504 vol.3
- Electro-optical devices; cf.** Electro-optical modulation
- Electro-optical effects; cf.** Electroabsorption; Pockels effect
- Electro-optical modulation**
AlGaAs/InGaAs/AlGaAs p-HEMT distrib. amp. MMICs, opt. modulator driver appl. *Virk, R.S.*, +, *MWSYM 02* 91-95 vol.1
GaAs PHEMT distributed amps. for 40 Gb/s EO modulator driver appl., high output. *Yuen, C.*, +, *MWSYM 02* 481-484 vol.1
GaAs pHEMT HV 40 Gb/s E/O modulator driver ICs. *Carroll, J.M.*, +, *MWSYM 02* 489-492 vol.1
LiNbO₃ TW modulator, substr. modes. *Goverdhanam, K.*, *MWSYM 02* 1285-1288 vol.2
microwave photonics, hist., current status & future prospects. *Seeds, A.J.*, *T-MTT Mar 02* 877-887
photon true-time delay beamformer for broadband wireless access networks. *Vidal, B.*, +, *MWSYM 02* 1949-1952 vol.3
TW electroabsorption modulator, cct. model. *Jiyoun Lim*, +, *MWSYM 02* 1707-1710 vol.3
- Electroplated coatings**
Cu high-Q inductors on std. Si substr. with low-k BCB dielec. layer. *Xiao Huo*, +, *RFIC 02* 403-406
- Electroplating**
Cu high-Q inductors on CMOS-grade Si substr. with low-k BCB dielec. layer. *Xiao Huo*, +, *MWSYM 02* 513-516 vol.1
Cu high-Q inductors on std. Si substr. with low-k BCB dielec. layer. *Xiao Huo*, +, *RFIC 02* 403-406
integrated inductors in chip-to-board interconnect layer, fab. using electroplating bonding. *Yeun-Ho Joung*, +, *MWSYM 02* 1409-1412 vol.3
- Electrostatic actuators**
capacitive RF MEMS switch, gas damping model and dyn. characts. *Veijola, T.*, +, *MWSYM 02* 1213-1216 vol.2
MEMS switch for microwave appls., low contact resist. design. *Peroulis, D.*, +, *MWSYM 02* 223-226 vol.1
polyimide film based RF MEMS capacitive switches, fab. and perform. *Ramados, R.*, +, *MWSYM 02* 1233-1236 vol.2
- Electrostatic devices; cf.** Capacitors; Electrostatic actuators; Electrostatic lenses
- Electrostatic discharge**
900-MHz RF receiver with HBM ESD robustness, ESD protection design. *Ming-Dou Ker*, +, *MWSYM 02* 537-540 vol.1
CMOS RFIC, ESD protection device, Bluetooth transceiver LNA. *Higashi, K.*, +, *RFIC 02* 285-288
CMOS RFICs, ESD protection, parasitic effects. *Ke Gong*, +, *T-MTT Jan 02* 393-402
CMOS RF receiver, 900 MHz, ESD protection design. *Ming-Dou Ker*, +, *RFIC 02* 427-430
ESD protection of RF ccts. in std. CMOS proc. *Higashi, K.*, +, *MWSYM 02* 31-34 vol.1
- Electrostatic lenses**
TWT slow wave ccts. for wireless commun., low cost. *Vancil, B.K.*, +, *MWSYM 02* 465-468 vol.1
- Electrostatics; cf.** Electrostatic discharge
- Elemental semiconductors**
polysilicon differential multi-finger MEMS tunable capacitors for RFIC. *Ionis, G.V.*, +, *MWSYM 02* 345-348 vol.1
RF integrat., develop. of technols. and design techs. *Sevenhans, J.*, +, *T-MTT Jan 02* 235-244
Si 3D-MMIC, polyimide layer, microstrip line coupling. *Ponchak, G.E.*, +, *MWSYM 02* 2221-2224 vol.3
Si BiCMOS receivers for normal and micro GSM900 and DCS 1800 base stations. *Gould, P.*, +, *T-MTT Jan 02* 369-376
Si bipolar power amp. for 1.8 GHz appls., high perform. *Carrara, F.*, +, *MWSYM 02* 1015-1018 vol.2
SiGe/Si power HBTs, X- to K-band appls. *Mohammadi, S.*, +, *MWSYM 02* 289-292 vol.1
Si high resist. substr. sampling cct., nonlin. transm. lines. *Abele, P.*, +, *MWSYM 02* 1681-1684 vol.3
Si, high-resist. substr., slow-wave CPW cct. *Naylor, J.*, +, *MWSYM 02* 669-672 vol.2
Si integrated IMPATT diode. *Luschnas, M.*, +, *MWSYM 02* 1269-1272 vol.2
Si LDMOS HV RFIC amp. design, robust model extraction. *Pla, J.A.*, +, *RFIC 02* 347-350
silicon-based RF and microwave integrated circuits (special issue). *T-MTT Jan 02* 233-410
silicon-based RF and microwave integrated circuits (special issue intro.). *Hajimiri, A.*, +, *T-MTT Jan 02* 233-234
Si micromachined high-Q resonator at 5.7 GHz, design and fab. *Tavernier, C.A.*, +, *T-MTT Oct 02* 2305-2314
Si micromachined RF MEMS resonators, fab. and perform. *Strohm, K.M.*, +, *MWSYM 02* 1209-1212 vol.2
SiO₂/Si₃N₄ integrated-optics waveguides on Si substr., design and fab. *Bulla, D.A.P.*, +, *T-MTT Jan 02* 9-12
Si planar waveguide filter at 45 GHz based on periodic struct., design and fab. *Lenoir, B.*, +, *MWSYM 02* 1923-1926 vol.3
Si, porous CPW interconnects, porosity effects. *Itoia, I.K.*, +, *MWSYM 02* 681-684 vol.2
Si RFIC, multi-layer transformer balun. *Yang, H.Y.D.*, +, *MWSYM 02* 601-604 vol.1
Si/SiGe HBT receiver front-end, ISM-band, relax. emitter scaling, consumer-oriented systs., Ka band. *Sonmez, E.*, +, *RFIC 02* 159-162
Si smart substr., RF pass. integrat. *Dong-Wook Kim*, +, *MWSYM 02* 1561-1564 vol.3
Si two-port & three-port inductors, freq. depend. losses modeling. *Kamgaing, T.*, +, *RFIC 02* 307-310
Si VCO and push-push oscillator, phase noise. *Dussot, L.*, +, *MWSYM 02* 695-698 vol.2
Si wafer, substr. loss, microstrip and CPW transm. lines. *Lederer, D.*, +, *MWSYM 02* 685-688 vol.2
- Elliptic filters**
coupled resonator filters with source/load-multiresonator coupling, adaptive synthesis. *Amari, S.*, +, *T-MTT Aug 02* 1969-1978
coupled-resonators cavity group-delay equalizer design. *Heng-Tung Hsu*, +, *T-MTT Aug 02* 1960-1968
coupling schemes for microwave resonator filters. *Rosenberg, U.*, +, *MWSYM 02* 1605-1608 vol.3
microstrip filters using folded qtr.-wave resonators. *Chi-Yang Chang*, +, *MWSYM 02* 1609-1612 vol.3
narrow band waveguide filter CAD, EM segmentation method. *Bariant, D.*, +, *MWSYM 02* 979-982 vol.2
novel coupling schemes for microwave resonator filters. *Rosenberg, U.*, +, *T-MTT Dec 02* 2896-2902
- Emitter-coupled logic**
BiCMOS dual-modulus prescaler, ECL-based ccts., low supply voltage. *Dulger, F.*, +, *RFIC 02* 177-180
- Energy states; cf.** Surface states
- Engineering; cf.** Biomedical engineering; Design engineering
- Engineering computing; cf.** Computer aided engineering; Electrical engineering computing; Electronic engineering computing; Telecommunication computing
- Engineering education; cf.** Electrical engineering education
- Environmental degradation**
Ka-band satellite-earth links in Pacific maritime climate, rain fading charact. *Amaya, C.*, +, *T-MTT Jan 02* 41-45
- Environmental factors; cf.** Environmental degradation
- Epitaxial layers; cf.** Semiconductor epitaxial layers
- Equalizers**
coupled-resonators cavity group-delay equalizer design. *Heng-Tung Hsu*, +, *T-MTT Aug 02* 1960-1968
- Equations; cf.** Differential equations; Integral equations; Nonlinear equations
- Equiripple filters; cf.** Chebyshev filters; Elliptic filters
- Equivalent circuits**
act. nonlin. microwave ccts., finite-element time-domain soln. using PMLs. *Hsiao-Ping Tsai*, +, *T-MTT Oct 02* 2226-2232
Al_xGa_{1-x}N/GaN HEMTs for microwave/RF control appls. *Drozdoski, N.V.*, +, *T-MTT Jan 02* 4-8
broadband flip-chip transit. design, locally matching tech. *Chun-Long Wang*, +, *MWSYM 02* 1397-1400 vol.3
capacitive RF MEMS switch, gas damping model and dyn. characts. *Veijola, T.*, +, *MWSYM 02* 1213-1216 vol.2
cascaded quintuplet filter structs., direct synthesis using lowpass prototype. *Reeves, T.*, +, *MWSYM 02* 1441-1444 vol.3
chip-type MLC balun fabricated by LTCC technol. *Ching-Wen Tang*, +, *MWSYM 02* 2201-2204 vol.3
class E power amps., finite DC feed inductor, simplified approach. *Choi, D.K.*, +, *MWSYM 02* 1643-1646 vol.3
CMOS RFICs, EM isolation and coupling characts. for crosstalk suppress. *Adan, A.O.*, +, *MWSYM 02* 39-42 vol.1
comblin-type filters, ANN and EM based models for excitation loops. *Borji, A.*, +, *MWSYM 02* 2105-2108 vol.3
corrections to "Accurate circuit model of interdigital capacitor and its application to design of new quasi-lumped miniaturized filters with

- suppression of harmonic resonance" (Mar 00 347-356). *Lei Zhu, +, T-MTT Oct 02 2412-2413*
- Co₈₅Nb₁₂Zr₃ film, ferromag. RF integrated inductor. *Yarnaguchi, M., +, MWSYM 02 197-200 vol.1*
- coupled oscillator arrays, locking range improvement. *Jinjin Shen, +, MWSYM 02 1309-1312 vol.2*
- CPS resonator modeling, CPS-microstrip transit., bandpass filter appl. *Young-Ho Suh, +, T-MTT May 02 1289-1296*
- CPW embedding ccts. for THz hot-electron-bolometer mixers. *Focardi, P., +, T-MTT Oct 02 2374-2383*
- CPW-to-CPS transits., low-pass/high-pass filters. *Yo-Shen Lin, +, MWSYM 02 2213-2216 vol.3*
- Cu high-Q inductors on std. Si substr. with low-k BCB dielec. layer. *Xiao Huo, +, RFIC 02 403-406*
- defected ground struct. lowpass filter optimiz., equiv. cct./modeling method. *Jun-Seok Park, +, MWSYM 02 417-420 vol.1*
- defected ground struct., spiral shape, equiv. cct. modeling. *Chul-Soo Kim, +, MWSYM 02 2125-2128 vol.3*
- dielec. filled rect. waveguides, radiating long. slots, equiv. cct., FDTD method. *Gatti, R.V., +, MWSYM 02 871-874 vol.2*
- dielec. resonators, transm.-mode Q-factor meas. tech. *Leong, K., +, T-MTT Sep 02 2115-2127*
- differentially driven symmetric microstrip inductors, config. and Si RFIC appl. *Danesh, M., +, T-MTT Jan 02 332-341*
- dual-band balun and divider, design method. *Jung-Hyun Sung, +, MWSYM 02 1177-1180 vol.2*
- folded waveguide filters with cross couplings, design procedure. *Kochbach, J., +, MWSYM 02 1449-1452 vol.3*
- GaAs-based HBTs, unified collector charge model. *Rudolph, M., +, T-MTT Jul 02 1747-1751*
- GaAs MESFETs, photonic capacitance model, on-wafer scatt. param. meas. *Navarro, C., +, T-MTT Apr 02 1193-1197*
- GaNp/GaAs HBT, intrinsic base resist., param. extraction algm. *Lenk, F., +, MWSYM 02 725-728 vol.2*
- GaNp/GaAs microwave HBT small-sig. model, direct param.-extraction method. *Bousnina, S., +, T-MTT Feb 02 529-536*
- HBT extrinsic base-collector capacitance derived from S-param. meas. *Wasige, E., +, MWSYM 02 733-736 vol.2*
- HBT lin. model params., direct extraction method. *Ouslimani, A., +, T-MTT Jan 02 218-221*
- HBT, small-sig. T and model extraction. *Tasker, P.J., +, MWSYM 02 2129-2132 vol.3*
- InGaP/GaAs HBT, large-sig. modeling, high-current effects charactn. *Shirokov, M.S., +, T-MTT Apr 02 1084-1094*
- in-line coaxial-to-waveguide adapters, propag. modes, equiv. cct. *Levy, R., +, MWSYM 02 809-811 vol.2*
- InP-HBT small-sig. equiv. ccts., improved automatic param. extraction. *Willen, B., +, T-MTT Feb 02 580-583*
- integrated inductors in chip-to-board interconnect layer, fab. using electroplating bonding. *Yeun-Ho Joung, +, MWSYM 02 1409-1412 vol.3*
- large-sig. PHEMT/MESFET model incl. DC/RF dispersion. *Wei, C.J., +, MWSYM 02 2133-2136 vol.3*
- LDMOSFETs, RF electro-thermal modeling, power-amp. design appl. *Akhtar, S., +, T-MTT Jun 02 1561-1570*
- low cost RF transceiver ICs, pass. elements modeling, ASITIC, lumped-element equiv. cct. models. *Niknejad, A.M., MWSYM 02 149-152 vol.1*
- lumped-element backward directional coupler and. design method. *Taek-Young Song, +, MWSYM 02 213-217 vol.1*
- MESFET, distributed equiv. cct. model. *Waliullah, M., +, MWSYM 02 2145-2148 vol.3*
- microstrip coupled-line bandpass filter using defected ground struct. with wide stopband perform. *Jun-Seok Park, +, T-MTT Sep 02 2037-2043*
- mixed-sig. IC interconnects, EM modeling, num. stable methodology. *Rong, A., +, MWSYM 02 1893-1896 vol.3*
- MOSFET model for RFIC design valid in all regions of operation. *Enz, C., T-MTT Jan 02 342-359*
- MOSFET, small-sig. and temp. noise model. *Pascht, A., +, T-MTT Aug 02 1927-1934*
- multiconductor transm. lines, full-wave anal./modeling via 2D FDTD/sig.-proc. techs. *Feng Liu, +, T-MTT Feb 02 570-577*
- multiport ccts., equiv. cct. models. *Neumayer, R., +, MWSYM 02 721-724 vol.2*
- nonlin. AC FET model, extraction using small-sig. S-params. *Vuolevi, J.H.K., +, T-MTT May 02 1311-1315*
- on-chip spiral inductor, substr. coupling effects, RFIC. *Chuan-Jane Chao, +, RFIC 02 311-314*
- parallel-plate dielec. waveguide, excitation by coaxial probe study. *Kwan, G.K.C., +, T-MTT Jun 02 1609-1620*
- peeling algorithm for extraction of HBT small-signal equivalent circuit. *Sheinman, B., +, T-MTT Dec 02 2804-2810*
- photodetector and photomixer ccts., convolution-based global simul. *Ameen, D.B., +, T-MTT Oct 02 2253-2258*
- planar IC, lumped element, param. extraction, short-open calib. *Lei Zhu, +, T-MTT Aug 02 1861-1869*
- planar multilayer magic-T configs. using microstrip-slotline transits. *Jeong Phill Kim, +, T-MTT Jul 02 1683-1688*
- PML-like ABCs for layered media transm. line termination, two cell microstrip transm. line. *Lauer, A., +, MWSYM 02 739-742 vol.2*
- power amps., nonlin. response modeling, augmented behavioral charactn. *Asbeck, P.M., +, MWSYM 02 135-138 vol.1*
- rect. apertures backed by rect. cavities, circuital approach to EM field eval. *Azaro, R., +, T-MTT Oct 02 2259-2266*
- RF-CMOS, direct param. extraction, non- quasistatic model. *Pengg, F.X., RFIC 02 355-358*
- RFIC design, package and bonding wire modeling software and appl. *Goto, K., +, MWSYM 02 2109-2112 vol.3*
- RFIC, pass. elements, ASITIC model. *Niknejad, A.M., RFIC 02 303-306*
- RFIC, spiral inductor, wideband compact model. *Melendy, D., +, MWSYM 02 717-720 vol.2*
- RF integrated inductors, freq.-depend. compact model. *Sieiro, J., +, T-MTT Jan 02 384-392*
- RF/microwave ccts./sys., CAD/CAE. *Steer, M.B., +, T-MTT Mar 02 996-1005*
- ring resonators, closed/open-loop, equiv. lumped elements/unloaded Q values. *Lung-Hwa Hsieh, +, T-MTT Feb 02 453-460*
- Si LDMOS HV RFIC amp. design, robust model extraction. *Pla, J.A., +, RFIC 02 347-350*
- Si micromachined RF MEMS resonators, fab. and perform. *Strohm, K.M., +, MWSYM 02 1209-1212 vol.2*
- small-sig. equiv. cct. model for RF-MOSFETs valid up to cut-off freq. *Kawano, H., +, MWSYM 02 2121-2124 vol.3*
- small-sig. microwave MOSFET model, param.-extraction method. *Ickjin Kwon, +, T-MTT Jun 02 1503-1509*
- spiral inductor modeling with eddy-current effect, series resist. predict. *Ban-Leong Ooi, +, T-MTT Sep 02 2202-2206*
- spiral inductors for submicron CMOS RFICs, effects of dummy patterns and substr. *Jae-Hong Chang, +, RFIC 02 419-422*
- super compact RFIC inductors in 0.18 m CMOS, all-copper interconnects. *Feng, H., +, RFIC 02 443-446*
- surface-mounted RF components, meas. based closed-form modeling. *Naishadham, K., +, T-MTT Oct 02 2276-2286*
- suspen. resonators for filters, excitation of evanescent cavities using high dielec. const. feedlines. *Snyder, R.V., +, MWSYM 02 1597-1600 vol.3*
- symmetric coupled-resonator filters, param. extraction procedure. *Heng-Tung Hsu, +, MWSYM 02 1445-1448 vol.3*
- symm. octagonal inductor, substr. parasitics calc. *Tatinian, W., +, MWSYM 02 165-169 vol.1*
- Treffitz FEM for comput. EM, TLM method. *Shlepnev, Y.O., T-MTT May 02 1328-1339*
- TW electroabsorption modulator, cct. model. *Jiyoun Lim, +, MWSYM 02 1707-1710 vol.3*
- uniplanar MICs, monolithic and hybrid, finite-ground CPW reactive series-connected elements. *Lei Zhu, +, T-MTT Feb 02 549-557*
- universal parameterized nonlin. device model formulation for microwave cct. simul. *Christoffersen, C.E., +, MWSYM 02 2189-2192 vol.3*
- Error analysis**
- addressing transient errors in passive macromodels of distributed transmission-line networks. *Dounavis, A., +, T-MTT Dec 02 2759-2768*
- feedforward amp., error sig. reuse. *Khanifar, A., +, MWSYM 02 473-475 vol.1*
- microwave field, FDTD anal., num. divergence errors. *Celuch-Marcysiak, M., MWSYM 02 751-754 vol.2*
- microwave IC modeling using concurrent complementary operators method. *Lan, K., +, MWSYM 02 887-890 vol.2*
- mono-grooved circ. waveguide polarizers, mode-matching techs., W-band. *Yoneda, N., +, MWSYM 02 821-824 vol.2*
- PML ABC errors in FEM, mesh compression. *Mitchell, A., +, T-MTT May 02 1297-1302*
- transm.-type resonator, unloaded Q-factors meas. by insertion loss/return loss methods, error anal. *Ma, Z., +, MWSYM 02 1661-1664 vol.3*
- Error compensation**
- PLL-based fractional synthesizer, nonlin. anal. *Sancho, S., +, MWSYM 02 2185-2188 vol.3*
- Error correction**
- digital ICs, 40 Gb, time-domain waveform meas., cable/connector dispersion removal. *Scott, J., +, MWSYM 02 1669-1672 vol.3*
- RF mixers, vector charactn./test syst. vector error correction method. *Dunsmore, J., MWSYM 02 1833-1836 vol.3*
- ultra-fast broadband time domain EMI meas. syst. using spectral estim. *Krug, F., +, MWSYM 02 2237-2240 vol.3*
- vector corrected noise temp. meas., one-port tech. *Weatherspoon, M.H., +, MWSYM 02 2253-2256 vol.3*
- Errors**
- coupled oscillator arrays, locking range improvement. *Jinjin Shen, +, MWSYM 02 1309-1312 vol.2*

Errors; cf. Measurement errors

Error statistics

direct digital receiver, QPSK sig. decoding, learning algms. *Mireux, O.*, +, *MWSYM 02 497-500* vol.1
p-i-n/HEMT and MSM/HEMT monolithic photoreceivers, high-speed, comparison. *Fay, P.*, +, *T-MTT Jan 02 62-67*

Etching

CW-mode opt. controlled microwave switch with carrier-confine. struct. *Sangil Lee*, +, *MWSYM 02 1289-1292* vol.2

Etching; cf. Sputter etching

Evolutionary computation; cf. Genetic algorithms

Eye

human tissue, W-band dielec. props./SAR distrib./thermal response. *Gustrau, F.*, +, *T-MTT Oct 02 2393-2400*

F

Fabry-Perot resonators

tunable microwave ccts., piezoelec.-transducer-controlled. *Tae-Yeoul Yun*, +, *T-MTT May 02 1303-1310*

Fading

DS-SS commun. for multipath channels. *Pursley, M.B.*, *T-MTT Mar 02 653-661*

Ka-band satellite-earth links in Pacific maritime climate, rain fading charact. *Amaya, C.*, +, *T-MTT Jan 02 41-45*

Fading channels

Nakagami/Rice fading channels, diversity combining techs., generalized soln. *da Silva, C.R.C.M.*, +, *T-MTT Jan 02 46-50*
subcarrier-based control implement. for opt. networking. *Willner, A.E.*, *MWSYM 02 1687-1690* vol.3

Fading channels; cf. Rician channels

Failure analysis

contactless probing of HF elec. sigs. using SPM. *Merlin, W.*, *MWSYM 02 1493-1496* vol.3

Faraday effect

opt. field-tunable probe, elec. and mag. field meas. *Reano, R.M.*, +, *MWSYM 02 1513-1516* vol.3

Fast Fourier transforms

2D stratified medium, EM field, num. tech. *Aksun, M.I.*, +, *T-MTT May 02 1264-1274*

act. microwave imaging, 2D forward and inverse scatt. methods, breast tumor detect. appl. *Qing Huo Liu*, +, *T-MTT Jan 02 123-133*

digital microwave receiver technol. *Tsui, J.B.Y.*, +, *T-MTT Mar 02 699-705*

highly conductive materials, ADI-FDTD simul. at RF/microwave freqs. *Chenghao Yuan*, +, *MWSYM 02 1135-1138* vol.2

planar waveguides, multiple scatt. among vias, sparse-matrix canonical-grid method. *Chung-Chi Huang*, +, *MWSYM 02 2045-2048* vol.3

ultra-fast broadband time domain EMI meas. syst. using spectral estim. *Krug, F.*, +, *MWSYM 02 2237-2240* vol.3

Fast fourier transforms; cf. Discrete Fourier transforms

Fault currents; cf. Leakage currents

Fault diagnosis

quantifying memory effects in RF power amplifiers. *Ku, H.*, +, *T-MTT Dec 02 2843-2849*

Fault diagnosis; cf. Fault location

Fault location

picosecond imaging cct. anal. of ULSI. *P. Mc Manus, M.K.*, +, *MWSYM 02 1505-1508* vol.3

Feedback

microstrip directional coupler, high-directivity, with feedback compensation. *Jia-Liang Chen*, +, *MWSYM 02 101-104* vol.1

Feedback; cf. Circuit feedback

Feedback amplifiers

microfabrication, high-power wideband THz radiation. *Kory, C.L.*, +, *MWSYM 02 1265-1268* vol.2

RF/microwave power amps. & transmitters, overview. *Raab, F.H.*, +, *T-MTT Mar 02 814-826*

RF power amp. lin., adaptive predistortion feedback path, anti-aliasing filter effects. *Weiyun Shan*, +, *MWSYM 02 469-472* vol.1

Feedback oscillators

microfabrication, high-power wideband THz radiation. *Kory, C.L.*, +, *MWSYM 02 1265-1268* vol.2

microwave feedback oscillator using double-sided MIC tech. *Kawahata, K.I.*, +, *MWSYM 02 699-702* vol.2

X-band integrated class-E oscillating annular ring element for high-efficiency transmitting arrays. *Hagerty, J.A.*, +, *MWSYM 02 1317-1320* vol.2

Feedforward

amp. for WCDMA base stations with adaptive control method. *Young Yun Woo*, +, *MWSYM 02 769-772* vol.2

carrier regeneration and reuse with gain compress. and feedforward SOAs.

Conforti, E., +, *T-MTT Jan 02 77-81*

error sig. reuse in feedforward amp. *Khanifar, A.*, +, *MWSYM 02 473-475* vol.1

hybrid power amp. module, 20 W, 2080-2200 MHz, optimized for error amp. appls. *Crescenzi, E.J., Jr.*, *MWSYM 02 613-616* vol.2

RF/microwave power amps. & transmitters, overview. *Raab, F.H.*, +, *T-MTT Mar 02 814-826*

Ferrimagnetic materials; cf. Ferrites

Ferrimagnetic resonance

microstrip line, Y-type hexaferrite substr. *Hoton How*, +, *T-MTT May 02 1280-1288*

Ferrite circulators

coupled line circulator, bandwidth and losses. *Cham Kiong Queck*, +, *MWSYM 02 1475-1478* vol.3

coupled-microstrip circulator, coupled-mode design. *Mazur, J.*, +, *T-MTT Jun 02 1487-1494*

gyroelectric semicond. circulator, CPW feeder, field distrib. *Ng, Z.M.*, +, *MWSYM 02 1189-1192* vol.2

microstrip and stripline ferrite-coupled-line (FCL) circulators. *Queck, C.K.*, +, *T-MTT Dec 02 2910-2917*

microwave ferrite device/materials technol. *Adam, J.D.*, +, *T-MTT Mar 02 721-737*

Ferrite devices

IEEE microwave symposium, conf., Seattle, WA, USA (Jun 02). *MWSYM-02 3* vol.(lxxxii+xxiii+xxv+2272)

Ferrite devices; cf. Ferrite circulators; Ferrite filters; Ferrite isolators; Ferrite-loaded waveguides; Ferrite phase shifters; Ferrite waveguides

Ferrite filters

microwave ferrite device/materials technol. *Adam, J.D.*, +, *T-MTT Mar 02 721-737*

Ferrite isolators

microwave ferrite device/materials technol. *Adam, J.D.*, +, *T-MTT Mar 02 721-737*

parallel line edge mode microstrip isolators, modeling/optim. *Aly, A.H.*, +, *MWSYM 02 1479-1482* vol.3

Ferrite-loaded waveguides

coupled-microstrip circulator, coupled-mode design. *Mazur, J.*, +, *T-MTT Jun 02 1487-1494*

cylindrical transm. line, magnetized ferrite substr., dispersion anal. *Dib, N.*, +, *T-MTT Jul 02 1730-1736*

microstrip lines/slot lines, leaky forward vol. MSW propag. *Marques, R.*, +, *T-MTT Aug 02 1935-1941*

reflector mode converter for axially corrugated waveguides. *Viitanen, A.J.*, +, *MWSYM 02 1997-2000* vol.3

Ferrite phase shifters

microwave ferrite device/materials technol. *Adam, J.D.*, +, *T-MTT Mar 02 721-737*

nonreciprocal remanence ferrite phase shifter in grooved waveguide. *Wenquan Che*, +, *T-MTT Aug 02 1912-1918*

Ferrites

complex tensorial permeab. of magnetized materials, automatic microwave meas. tech. *Queffelec, P.*, +, *T-MTT Sep 02 2128-2134*

microstrip line, Y-type hexaferrite substr. *Hoton How*, +, *T-MTT May 02 1280-1288*

microwave ferrite device/materials technol. *Adam, J.D.*, +, *T-MTT Mar 02 721-737*

technol. develop./appls., milestones. *Sobol, H.*, +, *T-MTT Mar 02 594-611*

Ferrite waveguides

anisotropic ferrite slab waveguides, wave effects rel. to sing. theory. *Yakovlev, A.B.*, +, *MWSYM 02 2021-2024* vol.3

microstrip resonators fabricated on magnetized ferrites with arbitrarily oriented bias mag. field. *Leon, G.*, +, *T-MTT Jun 02 1510-1519*

microwave ferrite device/materials technol. *Adam, J.D.*, +, *T-MTT Mar 02 721-737*

Ferroelectric capacitors

BaSrTiO₃/sapphire refl.-type phase shifter, monolithic, using CPW Lange coupler. *Dongsu Kim*, +, *MWSYM 02 1471-1474* vol.3

BaSrTiO₃ thin film parallel plate capacitors for X-band phase shifter appl. *Akikel, B.*, +, *MWSYM 02 1467-1469* vol.3

wide-band reflection-type phase shifter at S-band using BST coated substrate. *Kim, D.*, +, *T-MTT Dec 02 2903-2909*

Ferroelectric ceramics

PLZT ferroelec. cathode, microwave gyro amp. *Einat, M.*, +, *T-MTT Apr 02 1227-1230*

Ferroelectric Curie temperature

microwave meas., dielec. sleeve resonator. *Geyer, R.G.*, +, *MWSYM 02 1657-1660* vol.3

Ferroelectric devices

coplanar ferroelec. thin-film devices, anisotropic permitt./atten. from propag. consts., full-wave Green's fn. solver. *Krowne, C.M.*, +, *T-MTT Feb 02 537-548*

dielec. materials and devices for microwave commun. systs. *Fiedziuszko, S.J.*, +, *T-MTT Mar 02 706-720*

- IEEE microwave symposium, conf., Seattle, WA, USA (Jun 02). *MWSYM-02 3 vol. (lxxxii+xxiii+xxv+2272)*
- PLZT ferroelec. cathode, microwave gyro amp. *Einat, M., +, T-MTT Apr 02 1227-1230*
- Ferroelectric devices; cf. Ferroelectric capacitors**
- Ferroelectric materials**
- dielec. materials and devices for microwave commun. systs. *Fiedziuszko, S.J., +, T-MTT Mar 02 706-720*
- ferroelec. material, microwave meas., dielec. sleeve resonator. *Geyer, R.G., +, MWSYM 02 1657-1660 vol.3*
- Ferroelectric materials; cf. Ferroelectric ceramics**
- Ferroelectric thin films**
- BaSrTiO₃ high-isolation MEMS capacitive switches for K-/Ka-band appls. *Yu Liu, +, MWSYM 02 227-230 vol.1*
- BaSrTiO₃ thin film parallel plate capacitors for X-band phase shifter appl. *Acikel, B., +, MWSYM 02 1467-1469 vol.3*
- coplanar ferroelec. thin-film devices, anisotropic permitt./atten. from propag. consts., full-wave Green's fn. solver. *Krowne, C.M., +, T-MTT Feb 02 537-548*
- Ferromagnetic materials**
- Co₅Nb₁₂Zr₃ film, ferromag. RF integrated inductor. *Yarnaguchi, M., +, MWSYM 02 197-200 vol.1*
- ferromag. composite, mag. tunable microwave device. *Salahun, E., +, MWSYM 02 1185-1188 vol.2*
- Ferromagnetism; cf. Ferromagnetic materials**
- Fiber lasers; cf. Optical fiber amplifiers**
- Fiber optic sensors**
- Au-coated multimode fiber sens., chem. anal. appl., surface plasmon reson. *Fontana, E., T-MTT Jan 02 82-87*
- Fibers; cf. Polymer fibers**
- Field effect analog integrated circuits**
- analog phase shifter using two qtr.-wave-length transm. lines. *Hayashi, H., +, T-MTT Jan 02 150-154*
- GaAs MESFET modified cascode LNA, dual common source transistors. *Sungmin Ock, +, MWSYM 02 1423-1426 vol.3*
- Field effect analog integrated circuits; cf. MOS analog integrated circuits**
- Field effect devices; cf. Field effect transistors; MIS devices**
- Field effect digital integrated circuits**
- GaAs MESFET digital attenuator MMIC, excess inductance extraction. *Choi, S.C., +, MWSYM 02 2249-2252 vol.3*
- Field effect digital integrated circuits; cf. Field effect logic circuits**
- Field effect integrated circuits**
- filter synthesis technique applied to design of multistage broad-band microwave amplifiers. *Rooney, J.-P., +, T-MTT Dec 02 2947-2953*
- GSM and DCS power amps., enhancement mode FET technol. *Glass, E., +, MWSYM 02 557-560 vol.1*
- optimal parameter extraction and uncertainty estimation in intrinsic FET small-signal models. *Fager, C., +, T-MTT Dec 02 2797-2803*
- Field effect integrated circuits; cf. Field effect analog integrated circuits; Field effect digital integrated circuits; Field effect MMIC; Field effect HEMT integrated circuits; JFET integrated circuits; MESFET integrated circuits**
- Field effect logic circuits**
- InP HEMT DEMUX IC, data and clock distrib., SCFL. *Kano, H., +, MWSYM 02 75-78 vol.1*
- spline large-signal FET model based on bias-dependent pulsed I-V meas. *Kyoungmin Koh, +, T-MTT Nov 02 2598-2603*
- Field effect MMIC**
- 40 GHz-band fully monolithic HEMT VCO with, one-wave length microstrip resonator. *Ikematsu, H., +, MWSYM 02 843-846 vol.2*
- AlGaAs/InGaAs/GaAs pHEMT power amps., Ka-band intercept point behavior. *Merkle, T., +, MWSYM 02 453-456 vol.1*
- automotive radar chip set, 38/76 GHz, low cost PHEMT technol. *Werthof, A., +, MWSYM 02 1855-1858 vol.3*
- CPWs on Si, interface loss mechanisms. *Zhao, W., +, T-MTT Jan 02 407-410*
- GaAs MESFET distributed baseband ICs using artificial-line-division tech. and 3D transm. lines. *Kimura, S., +, T-MTT Jun 02 1603-1608*
- GaAs PHEMT direct digital six-port MM wave receiver, Ka-band, QPSK commun. *Ovidiu Tatu, S., +, RFIC 02 155-158*
- GaAs PHEMT LNA and VCO 3D MMICs for V-band single-chip transceiver. *Nishikawa, K., +, MWSYM 02 1717-1720 vol.3*
- GaAs PHEMT MMIC chipset for 60 GHz broadband wireless appls. *Vaudescal, O., +, MWSYM 02 1729-1732 vol.3*
- InGaP/InGaAs PHEMT MM-wave MMIC chipset, 60 GHz, wireless access syst. front-end appl. *Mimino, Y., +, MWSYM 02 1721-1724 vol.3*
- InP HEMT W-band monolithic resistive mixer archts. *Barnes, A.R., +, MWSYM 02 1867-1870 vol.3*
- PHEMT MM-wave MMIC chipset, 60 GHz wireless links and radar appls. *Fujii, K., +, MWSYM 02 1725-1728 vol.3*
- RF-CMOS, direct param. extraction, non-quasistatic model. *Pengg, F.X., RFIC 02 355-358*
- single-chip 94 GHz FMCW radar module for commercial sens. appls. *Tessmann, A., +, MWSYM 02 1851-1854 vol.3*
- Si two-port & three-port inductors, freq. depend. losses modeling. *Kamgaing, T., +, RFIC 02 307-310*
- Field effect MMIC**
- 5-GHz CMOS WLAN stds. & receiver implement. *Lee, T.H., +, T-MTT Jan 02 268-280*
- act. MMIC filter for on-chip X-band radar receiver front-ends. *Malmqvist, R., +, MWSYM 02 1907-1910 vol.3*
- AlGaAs/InGaAs/AlGaAs p-HEMT distrib. amp. MMICs, opt. modulator driver appl. *Virk, R.S., +, MWSYM 02 91-95 vol.1*
- analog phase shifter using two qtr.-wave-length transm. lines. *Hayashi, H., +, T-MTT Jan 02 150-154*
- broadband integrated LTCC front-end module, IEEE 802.11a WLAN appls. *Lee, C.-H., +, MWSYM 02 1045-1048 vol.2*
- broadband push-pull power amp. MMIC operating at K/Ka-band freqs. *Schellenberg, J.M., MWSYM 02 909-912 vol.2*
- CMOS 2.4-GHz/5-GHz LNA, high-resist. ELTRAN SOI-Epi wafers. *Kodate, J., +, MWSYM 02 1419-1422 vol.3*
- CMOS act. microwave cct. design, small-sig. substr. resist. effect modeling. *Yo-Sheng Lin, +, RFIC 02 315-318*
- CMOS dual-band freq. synthesizer, 2.3/4.6 GHz, wireless appls. *Wei-Zen Chen, +, RFIC 02 169-172*
- CMOS gain controllable LNAs, 8-9 GHz wireless appls., very LV circuitry. *Tsang, T.K.K., +, RFIC 02 205-208*
- CMOS PLL based freq. synthesizer, ring-type VCO, GSM appls. *Ali, S., +, RFIC 02 173-176*
- CMOS quadrature VCO with symm. spiral inductors and differential varactors, 2.4 GHz. *Baoyong Chi, +, MWSYM 02 561-564 vol.1*
- CMOS regenerative freq. doubler, dyn.-loading tech., 4-GHz. *Wong, J.M.C., +, RFIC 02 463-466*
- CMOS RFIC CAD, gate capacitance models smoothing. *Dobes, J., RFIC 02 495-498*
- CMOS RFIC, lin. anal., transconductance & output conductance. *Sanghoon Kang, +, RFIC 02 363-366*
- CMOS RFIC/microwave IC CAD, smoothing gate capacitance models. *Dobes, J., MWSYM 02 605-608 vol.1*
- CMOS RFIC/MMIC, bonding pad, depletion-insulation struct. *Sang Lam, +, MWSYM 02 677-680 vol.2*
- common-gate MESFET downconversion mixer for wireless appls., MMIC implement. *Frank, B.M., +, T-MTT May 02 1433-1435*
- concurrent multiband LNAs, theory, design, and radio receiver appl. *Hashemi, H., +, T-MTT Jan 02 288-301*
- differentially-tuned CMOS LC VCO for 10 Gbit/s clock-and-data-recovery ccts. *Mukherjee, D., +, MWSYM 02 707-710 vol.2*
- dual-gate FET mixers, IMD anal., large-sig./small-sig. anal. *Junghyun Kim, +, T-MTT Jun 02 1544-1555*
- GaAs broadband amp. MMIC with RF-CSP for Ku/K band appls. *Young Yun, +, MWSYM 02 409-412 vol.1*
- GaAs MESFET digital attenuator MMIC, excess inductance extraction. *Choi, S.C., +, MWSYM 02 2249-2252 vol.3*
- GaAs MHEMT distributed amp. for 40-Gb/s opt. appls. *Heins, M.S., +, MWSYM 02 1061-1064 vol.2*
- GaAs PHEMT LNA and VCO 3D MMICs for V-band single-chip transceiver. *Nishikawa, K., +, MWSYM 02 1717-1720 vol.3*
- GaAs p-HEMT MMIC 8 GHz transient sig. digitizer, charactn. *Ghis, A., +, MWSYM 02 1673-1676 vol.3*
- GaAs PHEMT MMIC distributed drain mixer, 3-33 GHz. *Kuo-Liang Deng, +, RFIC 02 151-154*
- GaAs PHEMT MMIC power amp., 15 W, 3G wireless transmitter appls. *Staudinger, J., +, MWSYM 02 617-620 vol.2*
- GaAs PHEMT MMIC power amps., 1 W/2 W, for commercial K/Ka-band appls. *Schellenberg, J.M., MWSYM 02 445-448 vol.1*
- GaAs single-MMIC four-channel transmitter, multichannel RF/opt. SCM commun. *Sangwoo Han, +, T-MTT Apr 02 1173-1179*
- GaAs single-pole dual-throw antenna switch for GSM appl. *Numata, K., +, RFIC 02 141-144*
- GaAs three-MESFET monolithic switch, L-band, bias conditions, reson. topologies. *Torres, J.A., +, T-MTT Jan 02 51-56*
- I-Q vector modulator with FET parasitics compensation. *Chongcheawchamnan, M., +, T-MTT Jun 02 1642-1646*
- Ku-band MMIC LNA with bias cct. for temp. depend. and proc. var. compensation. *Yamanaka, K., +, MWSYM 02 1427-1430 vol.3*
- Ku-band MMICs in low-cost SMT compatible packages. *Huang, H.C., +, MWSYM 02 27-30 vol.1*
- MMIC act. phase shifter struct., tunable all-pass filter. *Viveiros, D., Jr., +, T-MTT Aug 02 1885-1889*
- MOSFET model for RFIC design valid in all regions of operation. *Enz, C., T-MTT Jan 02 342-359*
- NMOS and PMOS transistors, 1/f noise and VCO design implications. *O, K.K., +, RFIC 02 59-62*
- on-chip spiral inductor, substr. coupling effects, RFIC. *Chuan-Jane Chao, +, RFIC 02 311-314*
- PHEMT LNA, enhancement mode, lin. control, logic controllable bypass-mitigated switch. *Kumar, S., +, RFIC 02 213-216*

- PHEMT MMIC Ku-band amps., SMT packages. *Huang, H.C.*, +, *RFIC 02* 281-284
- RF-CMOS, direct param. extraction, non- quasistatic model. *Pengg, F.X.*, *RFIC 02* 355-358
- S-band broadband monolithic class-E power amp., design and fab. *Tayrani, R.*, *RFIC 02* 53-56
- Schottky jn. transistors for micropower RFICs. *Spann, J.*, +, *RFIC 02* 423-426
- series MEMS switch compatible with CMOS technol, design and fab. *Yongming Cai*, +, *MWSYM 02* 1221-1224 vol.2
- Si LDMOS HV RFIC amp. design, robust model extraction. *Pla, J.A.*, +, *RFIC 02* 347-350
- Si two-port & three-port inductors, freq. depend. losses modeling. *Kamgaing, T.*, +, *RFIC 02* 307-310
- SOI based MMICs for C-band WLAN appls. *Pinel, S.*, +, *MWSYM 02* 1053-1056 vol.2
- spiral inductors for submicron CMOS RFICs, effects of dummy patterns and substr. *Jae-Hong Chang*, +, *RFIC 02* 419-422
- spiral inductors in bulk CMOS, design, 6-layer Cu interconnects. *Kuhn, W.B.*, +, *RFIC 02* 385-388
- ultra low-power VCO based on InP HEMT and heterojn. interband tunnel diode for wireless appl. *Cidronali, A.*, +, *MWSYM 02* 43-47 vol.1
- wideband high dyn. range receiver MMIC for EW appls. *Bannister, D.C.*, +, *RFIC 02* 147-149
- WLAN 5.8-GHz two-stage high-lin. LV LNA, 0.35- m CMOS technol. *Ren-Chieh Liu*, +, *RFIC 02* 221-224
- X-band on-chip radar receiver front-end for adaptive smart skin array antennas. *Malmqvist, R.*, +, *MWSYM 02* 1431-1434 vol.3
- Field effect transistor circuits**
act. predistortor, cascode-FET struct. *Moon-Suk Jeon*, +, *RFIC 02* 253-256
- FMCW radar transceiver, bal. FET cct., AM noise. *Fager, C.*, +, *T-MTT Apr 02* 1224-1227
- Field effect transistor circuits; cf.** HEMT circuits; JFET circuits; MESFET circuits; MOSFET circuits
- Field effect transistors**
nonlin. distortion. Smoothie data base model. *Cuoco, V.*, +, *MWSYM 02* 2149-2152 vol.3
- Field effect transistors; cf.** Field effect transistor switches; High electron mobility transistors; Microwave field effect transistors; Millimeter wave field effect transistors; Power field effect transistors; Schottky gate field effect transistors; UHF field effect transistors
- Field effect transistor switches**
GaAs three-MESFET monolithic switch, L-band, bias conditions, reson. topologies. *Torres, J.A.*, +, *T-MTT Jan 02* 51-56
- Field programmable gate arrays**
perform. charactn. of FPGA techs. for calib. and beamforming in smart antenna appls. *Nuteson, T.W.*, +, *T-MTT Dec 02* 3043-3051
- smart antennas, digital beamforming/calib. using real-time FPGA proc. *Nuteson, T.W.*, +, *MWSYM 02* 307-310 vol.1
- Field strength measurement; cf.** Electric field measurement; Magnetic field measurement
- Films; cf.** Polymer films
- Filtering theory**
synthesis of advanced microwave filters without diagonal cross-couplings. *Cameron, R.J.*, +, *T-MTT Dec 02* 2862-2872
- Filtering theory; cf.** Smoothing methods
- Filters**
dual-mode filters with grooved/splitted dielectric resonators for cellular-radio base stations. *Accatino, L.*, +, *T-MTT Dec 02* 2882-2889
- novel planar, square-shaped, dielectric-waveguide, single-, and dual-mode filters. *Chi-Yang Chang*, +, *T-MTT Nov 02* 2527-2536
- Filters; cf.** Acoustic filters; Active filters; Adaptive filters; All-pass filters; Band-pass filters; Band-stop filters; Butterworth filters; Comb filters; Delay filters; Ferrite filters; High-pass filters; Ladder filters; Low-pass filters; Matched filters; Passive filters; Radiofrequency filters; Resonator filters; Spatial filters; Superconducting filters; Switched filters; Waveguide filters
- Fine-pitch technology**
MSM5100 cdma2000+AMPS+gpsOne+Bluetooth multimode ASIC, 3G handset. *Butler, B.K.*, +, *RFIC 02* 186A-186F
- Finite difference methods**
2D full-wave finite-difference freq.-domain method for general guided wave struct. *Yong-Jiu Zhao*, +, *T-MTT Jul 02* 1844-1848
- lossy structs., 3D hybrid finite-difference method, quasi-static field solns. *Kunze, M.*, +, *MWSYM 02* 1881-1884 vol.3
- method of lines anal., nonequidistant discretization. *Greda, L.A.*, +, *MWSYM 02* 1877-1880 vol.3
- multilayered aperture-coupled patch antenna, 3D EM problems full-wave anal. *Lei Yin*, +, *T-MTT Aug 02* 2011-2017
- perfectly matched layers, 3D finite-difference freq.-domain method. *Tischler, T.*, +, *MWSYM 02* 1885-1888 vol.3
- planar transm. line, metallic loss, FDFD anal. *Kunze, M.*, +, *T-MTT May 02* 1275-1279
- transient EM problems in terms of collinear vector pot. *Georgieva, N.K.*, *T-MTT Aug 02* 1950-1959
- Finite difference methods; cf.** Finite difference time-domain analysis
- Finite difference time-domain analysis**
2D alternating-direction implicit FDTD method, num. dispersion anal. *An Ping Zhao*, *T-MTT Apr 02* 1156-1164
- 2D image reconstruction algm. based on FDTD/design sensitivity anal. *No-Weon Kang*, +, *MWSYM 02* 1143-1146 vol.2
- anal. and appl. of new quasi-network characts. of nonuniform mesh in FDTD simul. *Yan Zhang*, +, *T-MTT Nov 02* 2519-2526
- CMOS interconnections anal. combining LE-FDTD method and SOC procedure. *Alimenti, F.*, +, *MWSYM 02* 879-881 vol.2
- cylindrical transm. line, magnetized ferrite substr., dispersion anal. *Dib, N.*, +, *T-MTT Jul 02* 1730-1736
- dielec. filled rect. waveguides, radiating long. slots, equiv. cct., FDTD method. *Gatti, R.V.*, +, *MWSYM 02* 871-874 vol.2
- dielec. rod waveguide, surface corrugation, num. anal. *Kubo, H.*, +, *T-MTT May 02* 1256-1263
- dual-plane comb-line filter having plural atten. poles, FDTD simul. method. *Kitamura, T.*, +, *T-MTT Apr 02* 1216-1219
- efficient analysis of microwave passive structures using 3-D envelope-finite element (EVFE). *Tsai, H.-P.*, +, *T-MTT Dec 02* 2721-2727
- EM problems, FDTD method, custom hardware implement. *Schneider, R.N.*, +, *MWSYM 02* 875-878 vol.2
- EM-wave propag., inhomog. media, split-field/anisotropic medium PML-FDTD implement. *Teixeira, F.L.*, +, *T-MTT Jan 02* 30-35
- extended FDTD tech. includ. pass. and act. elements, stabil. anal. *Thiel, W.*, +, *T-MTT Sep 02* 2159-2165
- feasible adjoint sensitivity technique for EM design optimization. *Georgieva, N.K.*, +, *T-MTT Dec 02* 2751-2758
- front tracking and wavelet techs. *Sarris, C.D.*, +, *MWSYM 02* 747-750 vol.2
- frozen packed beds, microwave melting, rect. waveguide appl. *Ratanadecho, P.*, +, *T-MTT Jun 02* 1495-1502
- full-wave 2D ADI-FDTD method for anal. of arbitrary waveguiding struct., stabil. condition. *Changning Ma*, +, *MWSYM 02* 2049-2052 vol.3
- GSM base-station antenna, human exposure eval., multiple-region/FDTD method. *Bernardi, P.*, +, *MWSYM 02* 1747-1750 vol.3
- highly conductive materials, ADI-FDTD simul. at RF/microwave freqs. *Chenghao Yuan*, +, *MWSYM 02* 1135-1138 vol.2
- human tissue, W-band dielec. props./SAR distrib./thermal response. *Gustrau, F.*, +, *T-MTT Oct 02* 2393-2400
- IEEE microwave symposium, conf., Seattle, WA, USA (Jun 02). *MWSYM-02* 3 vol.(lxxxii+xxiii+xxv+2272)
- lumped element FDTD model, packaging effects. *Boon Ping Koh*, +, *MWSYM 02* 1139-1142 vol.2
- MESFET, distributed equiv. cct. model. *Waliullah, M.*, +, *MWSYM 02* 2145-2148 vol.3
- metamaterials, effective material params. calc., FDTD and modal approach, reson. struct. *Schuhmann, R.*, +, *MWSYM 02* 2037-2040 vol.3
- microstrip line/patch structs., surface wave propag., FDTD method. *Semouchkina, E.*, +, *MWSYM 02* 1127-1130 vol.2
- microwave absorber, surface-printed conductive line pattern. *Amano, M.*, +, *MWSYM 02* 1193-1196 vol.2
- microwave field, FDTD anal., num. divergence errors. *Celuch-Marcysiak, M.*, *MWSYM 02* 751-754 vol.2
- microwave IC modeling using concurrent complementary operators method. *Lan, K.*, +, *MWSYM 02* 887-890 vol.2
- microwave oven, heating proc. modeling, heat radiation effects. *Haala, J.*, +, *T-MTT May 02* 1346-1354
- Mobius transform. tech. for FDTD modeling of wave propag. in dispersive media. *Pereda, J.A.*, +, *T-MTT Jul 02* 1689-1695
- modeling of planar applicators for microwave thermotherapy. *Carlier, J.*, +, *T-MTT Dec 02* 3036-3042
- multiconductor transm. lines, full-wave anal./modeling via 2D FDTD/sig.-proc. techs. *Feng Liu*, +, *T-MTT Feb 02* 570-577
- multilayer conductor, surface impedance, FDTD model. *Thiel, W.*, +, *MWSYM 02* 759-762 vol.2
- near field to far field time domain transform. for FDTD in two dimens., transient response. *Feng Xu*, +, *MWSYM 02* 2057-2060 vol.3
- new 2-D image reconstruction algorithm based on FDTD and design sensitivity analysis. *Kang, N.-W.*, +, *T-MTT Dec 02* 2734-2740
- num. anal. of traveling-wave photodetectors' bandwidth using FDTD method. *Soon-Cheol Kong*, +, *T-MTT Nov 02* 2589-2597
- photonic bandgap sandwich struct., forbidden microwave transm. *Yunbo Pang*, +, *MWSYM 02* 1157-1160 vol.2
- PML-like ABCs for layered media transm. line termination, two cell microstrip transm. line. *Lauer, A.*, +, *MWSYM 02* 739-742 vol.2
- radiobase antenna dosimetric problems, parallel FDTD tool. *Catarinucci, L.*, +, *MWSYM 02* 1755-1758 vol.3
- RF-MEMS reconfigurable tuners, modeling/optim. using FDTD techs. *Bushyager, N.*, +, *MWSYM 02* 883-886 vol.2

- RF-MEM-switches, thermal effects anal., FDTD method. *Thiel, W.*, +, *MWSYM 02 235-238* vol.1
- RF struct. optim., multiresolution time-domain adaptive schemes using arbitrary wavelet resolns. *Tentzeris, E.M.*, +, *T-MTT Feb 02 501-516*
- Schottky diodes, packaged, nonlin. lumped network-FDTD model. *El Mrabet, O.*, +, *T-MTT Oct 02 2411-2412*
- Si 3D-MMIC, polyimide layer, microstrip line coupling. *Ponchak, G.E.*, +, *MWSYM 02 2221-2224* vol.3
- spatial power combiners, waveguide-based with hard horn feeds, array params. optim. *Ozkar, M.*, +, *MWSYM 02 1301-1304* vol.2
- static and quasi-static fields inherent to pulsed FDTD method, trailing dc offsets. *Pontalti, R.*, +, *T-MTT Aug 02 2022-2025*
- thin metal wires in rect. waveguide, scatt. and absorpt. study. *Bingle, M.*, +, *T-MTT Jun 02 1621-1627*
- thin-wire model, FDTD method. *Makinen, R.M.*, +, *T-MTT May 02 1245-1255*
- unconditionally stable FDTD method in cylindrical coord. syst. *Chenghao Yuan*, +, *T-MTT Oct 02 2401-2405*
- Finite element analysis**
- 2D envelope finite element tech., implement. of PML and dispersive medium. *Weijun Yao*, +, *MWSYM 02 2061-2064* vol.3
- act. nonlin. microwave ccts., finite-element time-domain soln. using PMLs. *Hsiao-Ping Tsai*, +, *T-MTT Oct 02 2226-2232*
- biological phantoms, EM exposure eval., finite-element procedure-based approach. *Caorsi, S.*, +, *T-MTT Oct 02 2346-2352*
- coupled Pade approx.-FEM appl. to microwave device design. *Thon, B.*, +, *MWSYM 02 1889-1892* vol.3
- EM based optim. of advanced waffle-iron and rect. combine filters, CAD method. *Arndt, F.*, +, *MWSYM 02 2053-2056* vol.3
- EM field BVP, symmetric successive overrelaxation preconditioning conjug.-gradient method. *Ru-Shan Chen*, +, *T-MTT Apr 02 1165-1172*
- hierarchical multilevel pot. preconditioner for fast FEM. *Yu Zhu*, +, *T-MTT Aug 02 1984-1989*
- line-integral formulation of the hybrid MM/FEM tech., arbitrary cross-sect. waveguides. *Crino, V.*, +, *MWSYM 02 2033-2036* vol.3
- lossy and unbounded EM eigenvalue problems, robust finite-element soln. *Yu Zhu*, +, *T-MTT Oct 02 2331-2338*
- lossy anisotropic waveguides, full-wave high-order FEM model, higher order interpolatory vector elements. *Savi, P.*, +, *T-MTT Feb 02 495-500*
- lossy inhomog. anisotropic waveguides, fast reduced-order model for full-wave FEM anal. *Bertazzi, F.*, +, *T-MTT Sep 02 2108-2114*
- lossy transm. lines, steady-state skin-effect anal., FEM-based reduced-order model. *Bertazzi, F.*, +, *MWSYM 02 2025-2028* vol.3
- LTCC-MCMs, buried meshed-ground coupling charact. anal., FEM calcs. *Jun-Goo Kim*, +, *MWSYM 02 825-828* vol.2
- microstrip coupled-line bandpass filter using defected ground struct. with wide stopband perform. *Jun-Seok Park*, +, *T-MTT Sep 02 2037-2043*
- microwave device optim., EM scatt., 2D p-adaptive FEM. *Gavrilovic, M.M.*, +, *T-MTT Aug 02 1901-1911*
- microwave guided wave struct., 3D envelope-finite element tech. *Hsiao-Ping Tsai*, +, *MWSYM 02 755-758* vol.2
- microwave struct., fast finite-element-based field optimizer using anal. calc. gradients. *Harscher, P.*, +, *T-MTT Feb 02 433-439*
- MIS interconnect, wave propag., device-level simul. *Gaofeng Wang*, +, *T-MTT Apr 02 1127-1136*
- multi-fingered PHEMTs, electrothermal modeling. *Byk, E.*, +, *MWSYM 02 2085-2088* vol.3
- narrow band waveguide filter CAD, EM segmentation method. *Bariant, D.*, +, *MWSYM 02 979-982* vol.2
- nonreciprocal remanence ferrite phase shifter in grooved waveguide. *Wenquan Che*, +, *T-MTT Aug 02 1912-1918*
- open structs., freq. parameterization, modal decomp. tech. *Adane, Y.*, +, *MWSYM 02 2017-2020* vol.3
- Si planar waveguide filter at 45 GHz based on periodic struct., design and fab. *Lenoir, B.*, +, *MWSYM 02 1923-1926* vol.3
- Treftz FEM for comput. EM, TLM method. *Shlepnev, Y.O.*, *T-MTT May 02 1328-1339*
- vert. integrated slot-coupled micromachined filter, meas. and FEM model. *Harle, L.*, +, *T-MTT Sep 02 2063-2068*
- Finite element analysis; cf.** Mesh generation
- Fin line components**
- multioctave spatial power combining in oversized coaxial waveguide. *Pengcheng Jia*, +, *T-MTT May 02 1355-1360*
- Flicker noise**
- modeling and charactn. of SiGe HBT LF noise figures-of-merit for RFIC appls. *Jin Tang*, +, *T-MTT Nov 02 2467-2473*
- Flip-chip devices**
- 60-GHz-band dielec. waveguide filters with cross-coupling for flip-chip modules. *Ito, M.*, +, *MWSYM 02 1789-1792* vol.3
- AlN HBT, Ku-band power amp., flip-chip mounting. *Vendier, O.*, +, *MWSYM 02 1389-1392* vol.3
- broadband flip-chip transit. design, locally matching tech. *Chun-Long Wang*, +, *MWSYM 02 1397-1400* vol.3
- compact single-chip W-band FMCW radar modules for commercial high-resolution sensor applications. *Tessmann, A.*, +, *T-MTT Dec 02 2995-3001*
- GaAs MESFET distributed baseband ICs using artificial-line-division tech. and 3D transm. lines. *Kimura, S.*, +, *T-MTT Jun 02 1603-1608*
- IEEE microwave symposium, conf., Seattle, WA, USA (Jun 02). *MWSYM-02 3* vol.(lxxxii+xxiii+xxv+2272)
- Ku-band coplanar HBT MMIC HPA, flip-chip assembly. *Fraysse, J.P.*, +, *MWSYM 02 441-444* vol.1
- low-cost flip-chip alternatives for MM wave appls. *Heyen, J.*, +, *MWSYM 02 2205-2208* vol.3
- SiGe MMIC, flip-chipped on LTCC MCM, multi-path couplings suppress. *Nishino, T.*, +, *MWSYM 02 1385-1388* vol.3
- single-chip 94 GHz FMCW radar module for commercial sens. appls. *Tessmann, A.*, +, *MWSYM 02 1851-1854* vol.3
- W-band flip-chip interconnects on thin-film substr. *Schmuckle, F.J.*, +, *MWSYM 02 1393-1396* vol.3
- Flip-flops**
- CMOS RFIC CAD, gate capacitance models smoothing. *Dobes, J.*, *RFIC 02 495-498*
- CMOS RFIC/microwave IC CAD, smoothing gate capacitance models. *Dobes, J.*, *MWSYM 02 605-608* vol.1
- design of high-speed master-slave D-Type flip-flop in InP DHBT technology. *Kasbari, A.-E.*, +, *T-MTT Dec 02 3064-3069*
- InP DHBT technol. high speed master-slave D-type flip-flop. *Kasbari, A.-E.*, +, *MWSYM 02 1057-1060* vol.2
- SiGe bipolar technol. dual-modulus prescaler, static divider stages, differential CML. *Knapp, H.*, +, *RFIC 02 239-242*
- static freq. divider, low-power 20 GHz, prog. input sensitivity. *Vaucher, C.S.*, +, *RFIC 02 235-238*
- Flow; cf.** Flow simulation
- Flow graphs; cf.** Signal flow graphs
- Flow simulation**
- capacitive RF MEMS switch, gas damping model and dyn. characts. *Veijola, T.*, +, *MWSYM 02 1213-1216* vol.2
- Fluctuations; cf.** Plasma fluctuations
- Fluidics; cf.** Microfluidics
- FM radar**
- automotive radar chip set, 38/76 GHz, low cost PHEMT technol. *Werthof, A.*, +, *MWSYM 02 1855-1858* vol.3
- FMCW radar transceiver, bal. FET cct., AM noise. *Fager, C.*, +, *T-MTT Apr 02 1224-1227*
- Gunn diode based surface mount 77-GHz VCO for automotive radar appls. *Priestley, N.*, +, *MWSYM 02 1863-1866* vol.3
- single-chip 94 GHz FMCW radar module for commercial sens. appls. *Tessmann, A.*, +, *MWSYM 02 1851-1854* vol.3
- Focusing**
- concrete struct., damage detect., microwave refl. tomography array. *Yoo Jin Kim*, +, *MWSYM 02 651-654* vol.2
- neg. refr. index metamaterials supporting 2-D waves. *Iyer, A.K.*, +, *MWSYM 02 1067-1070* vol.2
- TWT slow wave ccts. for wireless commun., low cost. *Vancil, B.K.*, +, *MWSYM 02 465-468* vol.1
- Food processing industry**
- indust. microwave power appls., food indust., comfort heating and power transms. *Osepchuk, J.M.*, *T-MTT Mar 02 975-985*
- Formal logic; cf.** Fuzzy logic
- Fourier analysis**
- anisotropic stripline struct., printed apertures, dyn. model. *Lacava, J.C.D.S.*, +, *T-MTT Jan 02 22-26*
- Fourier transform optics**
- receiving-mode multibeam antenna array, opt. BFN. *Shibata, O.*, +, *T-MTT May 02 1425-1430*
- Fractals**
- reconfigurable quasi-fractal transm. line struct. *Sor, J.*, +, *MWSYM 02 665-668* vol.2
- Free electron lasers**
- RF vac. electronics, hist. & recent advances. *Parker, R.K.*, +, *T-MTT Mar 02 835-845*
- Frequency converters; cf.** Frequency dividers; Frequency multipliers; Millimeter wave frequency converters; UHF frequency converters
- Frequency convertors**
- IEEE microwave symposium, conf., Seattle, WA, USA (Jun 02). *MWSYM-02 3* vol.(lxxxii+xxiii+xxv+2272)
- Frequency dividers**
- asynchronous struct. freq. divider for dual-modulus prescaler, 14.5 GHz, 0.35 m. *Tournier, E.*, +, *RFIC 02 227-230*
- CMOS static 2:1 freq. divider, high input sensitivity. *Wohlmuth, H.-D.*, +, *RFIC 02 231-234*
- GSM direct conversion transceiver, RF LO. *Magoon, R.*, +, *RFIC 02 23-26*
- SiGe 20-GHz VCO and freq. divider, varactor-tuned LC-type oscillator, radar transmitter. *Ettinger, K.*, +, *MWSYM 02 835-838* vol.2
- SiGe bipolar PLL freq. synthesizer, VCO and divide-by-16 static freq. divider. *Ritzberger, G.*, +, *MWSYM 02 831-834* vol.2

- SiGe bipolar technol. dual-modulus prescaler, static divider stages, differential CML. *Knapp, H.*, +, *RFIC 02* 239-242
- static freq. divider, low-power 20 GHz, prog. input sensitivity. *Vaucher, C.S.*, +, *RFIC 02* 235-238
- variable order analog freq. divider design, nonlin. dyn. concepts. *Ramirez, F.*, +, *MWSYM 02* 127-130 vol.1
- Frequency division multiplexing**
- battle phases, time- and freq.-multiplexed basis. *Spezio, A.E.*, *T-MTT Mar 02* 633-644
- Frequency division multiplexing; cf. OFDM modulation**
- Frequency-domain analysis**
- 2D full-wave finite-difference freq.-domain method for general guided wave struct. *Yong-Jiu Zhao*, +, *T-MTT Jul 02* 1844-1848
- 3D structs., wideband EM response, Laguerre series expansion. *Sarkar, T.K.*, +, *MWSYM 02* 1989-1992 vol.3
- adjacence-graph recursive-thresholding tech. for optimized parallel admittance matrix approach. *Esposito, A.*, +, *T-MTT Sep 02* 2102-2107
- EM/cct. co-optim. of lumped component and phys. layout params. using generalized layout components. *Sercu, J.*, +, *MWSYM 02* 2073-2076 vol.3
- first higher order microstrip mode, charact. impedance and propag. in freq. and time domain. *Shyue-Dar Chen*, +, *T-MTT May 02* 1370-1379
- high-speed ccts., parallel-plate noise suppression, metallic EM band-gap struct. *Abhari, R.*, +, *MWSYM 02* 493-496 vol.1
- IEEE microwave symposium, conf., Seattle, WA, USA (Jun 02). *MWSYM-02* 3 vol.(lxxxii+xxiii+xxv+2272)
- inhomog. loaded strictly bidirectional waveguides, freq.-domain anal., eigenfunction expansion. *Przybyszewski, P.*, +, *T-MTT Feb 02* 558-563
- metamaterials, effective material params. calc., FDTD and modal approach, reson. struct. *Schuhmann, R.*, +, *MWSYM 02* 2037-2040 vol.3
- MIS interconnect, wave propag., device-level simul. *Gaofeng Wang*, +, *T-MTT Apr 02* 1127-1136
- multilayered aperture-coupled patch antenna, 3D EM problems full-wave anal. *Lei Yin*, +, *T-MTT Aug 02* 2011-2017
- nonlin. oscillator, phase-noise anal., time-domain/freq.-domain approaches. *Suarez, A.*, +, *T-MTT Oct 02* 2353-2361
- perfectly matched layers, 3D finite-difference freq.-domain method. *Tischler, T.*, +, *MWSYM 02* 1885-1888 vol.3
- planar ccts./MEMS, time/freq. domain modeling using EM solvers, efficiency comparisons. *Pierantoni, L.*, +, *MWSYM 02* 891-894 vol.2
- planar transm. line, metallic loss, FDFD anal. *Kunze, M.*, +, *T-MTT May 02* 1275-1279
- Trefftz FEM for comput. EM, TLM method. *Shlepnev, Y.O.*, *T-MTT May 02* 1328-1339
- wideband EM response through Laguerre expansion using early-time and LF data. *Sarokr, T.K.*, +, *T-MTT May 02* 1408-1416
- Frequency domain synthesis**
- synthesis of equivalent-circuit models for multiports characterized by frequency-dependent parameters. *Neumayer, R.*, +, *T-MTT Dec 02* 2789-2796
- Frequency hop communication**
- Bluetooth 6.5-mW receiver front-end in 0.18- μ m CMOS. *Beffa, F.*, +, *RFIC 02* 391-394
- CMOS Bluetooth receiver IC, 3 V, develop. and implement. *Wenjun Sheng*, +, *RFIC 02* 107-110
- CMOS Bluetooth transceiver IC with Cu RF pass., fab. and perform. *Doan, M.T.*, +, *RFIC 02* 415-418
- Frequency modulated radar**
- compact single-chip W-band FMCW radar modules for commercial high-resolution sensor applications. *Tessmann, A.*, +, *T-MTT Dec 02* 2995-3001
- Frequency modulation**
- WDM fiber-radio transm. using InP:Fe cryst.-based wavelength-self-tunable SSB filter. *Vourch, E.*, +, *MWSYM 02* 1703-1706 vol.3
- Frequency modulation; cf. Frequency shift keying**
- Frequency multipliers**
- CMOS dyn.-loading regenerative freq. doubler. *Wong, J.M.C.*, +, *MWSYM 02* 573-576 vol.1
- CMOS regenerative freq. doubler, dyn.-loading tech., 4-GHz. *Wong, J.M.C.*, +, *RFIC 02* 463-466
- GaAs PHEMT, 3D MMIC, V-band bal. freq. doubler. *Nishikawa, K.*, +, *MWSYM 02* 351-354 vol.1
- GaAs pHEMT MMIC chipset for 60 GHz broadband wireless appls. *Vaudescal, O.*, +, *MWSYM 02* 1729-1732 vol.3
- GaAs Schottky diode, spatial power dividing/combining freq. doubler. *Schumann, B.*, +, *MWSYM 02* 1539-1542 vol.3
- InGaP/InGaAs PHEMT MM-wave MMIC chipset, 60 GHz, wireless access syst. front-end appl. *Mimino, Y.*, +, *MWSYM 02* 1721-1724 vol.3
- LTCC freq. doubler, L-band, using embedded lumped element filters. *Hurley, R.*, +, *MWSYM 02* 1549-1552 vol.3
- PHEMT V-band freq. doubler, broadband operation, freq. tuning. *Piernas, B.*, +, *T-MTT Apr 02* 1120-1126
- quadrupler, coplanar IC. *Schefer, M.*, *MWSYM 02* 355-358 vol.1
- SiGe bipolar PLL freq. synthesizer, VCO and divide-by-16 static freq. divider. *Ritzberger, G.*, +, *MWSYM 02* 831-834 vol.2
- trippler, symm. varactor, C-V charact. *Duchamp, J.M.*, +, *MWSYM 02* 359-362 vol.1
- W-band MMIC-based sig. source, act. x6 freq. multiplier, 75-110 GHz. *Morgan, M.*, +, *MWSYM 02* 1859-1862 vol.3
- Frequency response**
- broadband flip-chip transit. design, locally matching tech. *Chun-Long Wang*, +, *MWSYM 02* 1397-1400 vol.3
- distributed transm. line networks, time-domain pass. macromodels. *Dounavis, A.*, +, *MWSYM 02* 975-978 vol.2
- dual freq. rectenna for high efficiency wireless power transm. at 2.45 and 5.8 GHz. *Young-Ho Suh*, +, *MWSYM 02* 1297-1300 vol.2
- irregular rect. waveguides, high functionality mode transformers. *Ming-Chuan Yang*, +, *MWSYM 02* 2013-2016 vol.3
- lossy inhomog. anisotropic waveguides, fast reduced-order model for full-wave FEM anal. *Bertazzi, F.*, +, *T-MTT Sep 02* 2108-2114
- multioctave spatial power combining in oversized coaxial waveguide. *Pengcheng Jia*, +, *T-MTT May 02* 1355-1360
- p-i-n/HEMT and MSM/HEMT monolithic photoreceivers, high-speed, comparison. *Fay, P.*, +, *T-MTT Jan 02* 62-67
- slow-wave bandpass filters, ring and stepped-impedance hairpin resonators. *Lung-Hwa Hsieh*, +, *T-MTT Jul 02* 1795-1800
- spiral inductors in deep-sub- μ m bulk CMOS with Cu interconnects, design considerations. *Kuhn, W.B.*, +, *MWSYM 02* 301-305 vol.1
- vector meas. of filter using power detector, RF and baseband sig. paths. *Vasudev, N.*, +, *T-MTT Sep 02* 2083-2089
- YBaCuO low-loss 5GHz bandpass filter using HTS CPW qtr.-wavelength resonators. *Zhewang Ma*, +, *MWSYM 02* 1967-1970 vol.3
- Frequency selective surfaces**
- periodic structs., RWG triangle subdomain basis fns. modif. *Simon, P.S.*, *MWSYM 02* 2029-2032 vol.3
- rect. conducting patches on uniaxial dielec. anisotropic substr., EM scatt. by FSS. *Campos, A.L.P.S.*, +, *T-MTT Jan 02* 72-76
- Frequency shift keying**
- CMOS Bluetooth receiver IC, 3 V, develop. and implement. *Wenjun Sheng*, +, *RFIC 02* 107-110
- Frequency stability**
- act. microstrip patch antennas, PLL control. *Andrews, J.W.*, +, *T-MTT Jan 02* 201-206
- BPSK mm-wave sigs., opt. delivery via free-running laser heterodyne with freq. drift cancellation. *Johansson, L.A.*, +, *MWSYM 02* 1695-1697 vol.3
- power-combining grid oscillator arrays, freq. stabilization. *Wenzhang Wang*, +, *T-MTT May 02* 1400-1407
- Frequency synthesizers**
- BiCMOS dual-modulus prescaler, ECL-based ccts., low supply voltage. *Dulger, F.*, +, *RFIC 02* 177-180
- CMOS dual-band freq. synthesizer, 2.3/4.6 GHz, wireless appls. *Wei-Zen Chen*, +, *RFIC 02* 169-172
- CMOS fast-switching freq. synthesizer. *Xiaomin Yang*, +, *MWSYM 02* 589-592 vol.1
- CMOS PLL-based freq. synthesizer for WLAN appls. *Xiaomin Yang*, +, *RFIC 02* 479-482
- CMOS regenerative freq. doubler, dyn.-loading tech., 4-GHz. *Wong, J.M.C.*, +, *RFIC 02* 463-466
- delta-sigma data converters and use in wireless transceivers. *Galton, I.*, *T-MTT Jan 02* 302-315
- GSM 900/DCS 1800 fractional-N modulator with two-point-modulation. *Neurauter, B.*, +, *MWSYM 02* 425-428 vol.1
- PLL-based fractional synthesizer, nonlin. anal. *Sancho, S.*, +, *MWSYM 02* 2185-2188 vol.3
- SiGe bipolar PLL freq. synthesizer, VCO and divide-by-16 static freq. divider. *Ritzberger, G.*, +, *MWSYM 02* 831-834 vol.2
- W-band MMIC-based sig. source, act. x6 freq. multiplier, 75-110 GHz. *Morgan, M.*, +, *MWSYM 02* 1859-1862 vol.3
- Functional analysis; cf. Harmonic analysis**
- Functional approximation**
- periodic structs., RWG triangle subdomain basis fns. modif. *Simon, P.S.*, *MWSYM 02* 2029-2032 vol.3
- Function approximation; cf. Chebyshev approximation**
- Function generators; cf. Pulse generators; Waveform generators**
- Functions**
- anal. of dielectric-loaded cavities using orthonormal-basis method. *Monsorin, J.A.*, +, *T-MTT Nov 02* 2545-2552
- Functions; cf. Bessel functions; Green's function methods; Transfer functions**
- Fuzzy logic**
- computer-aided tuning of microwave filters using fuzzy logic. *Mirafteb, V.*, +, *T-MTT Dec 02* 2781-2788
- microwave filters, computer-aided tuning using fuzzy logic. *Mirafteb, V.*, +, *MWSYM 02* 1117-1120 vol.2

G

Gain control

transmit/receive IF chip set for WCDMA mobiles in 0.35- μ m CMOS. *Dasgupta, U.*, +, *T-MTT Nov 02* 2443-2452

Gain control; cf. Automatic gain control**Gain measurement**

FET charactrs., bias/temp./freq. depend., dyn. behavior. *Parker, A.E.*, +, *MWSYM 02* 993-996 vol.2

power amps., nonlin. response modeling, augmented behavioral charactn. *Asbeck, P.M.*, +, *MWSYM 02* 135-138 vol.1

Galerkin method

2D stratified medium, EM field, num. tech. *Aksun, M.I.*, +, *T-MTT May 02* 1264-1274

charged plate, capacitance, MoM matrix elements. *Jen-Tsai Kuo*, +, *T-MTT May 02* 1435-1436

microstrip line, Y-type hexaferrite substr. *Hoton How*, +, *T-MTT May 02* 1280-1288

microstrip resonators fabricated on magnetized ferrites with arbitrarily oriented bias mag. field. *Leon, G.*, +, *T-MTT Jun 02* 1510-1519

planar anisotropic layered printed struct., react. integrals in EFIE anal. *Mesa, F.*, +, *T-MTT Sep 02* 2142-2146

Gallium arsenide

2-bit ADC ICs for radio astron. appls. *Okiura, M.*, +, *MWSYM 02* 485-488 vol.1

AlGaAs/GaAs HBTs, microwave noise sources, scatt. params. *Sakalas, P.*, +, *MWSYM 02* 2117-2120 vol.3

AlGaAs HMSM photodetector, reson. cavity, short haul commun. *Xiyang Chen*, +, *MWSYM 02* 1281-1284 vol.2

AlGaAs/InGaAs/AlGaAs p-HEMT distrib. amp. MMICs, opt. modulator driver appl. *Virk, R.S.*, +, *MWSYM 02* 91-95 vol.1

AlGaAs/InGaAs doped-channel power FETs, low-k BCB bridged proc. *Hsien-Chin Chiu*, +, *MWSYM 02* 521-524 vol.1

AlGaAs/InGaAs/GaAs pHEMT power amps., Ka-band intercept point behavior. *Merkle, T.*, +, *MWSYM 02* 453-456 vol.1

AlGaAs/InGaAs high lin. power HFETs using low-k BCB bridged and passivated proc. *Hsien-Chin Chiu*, +, *RFIC 02* 411-414

compact single-chip W-band FMCW radar modules for commercial high-resolution sensor applications. *Tessmann, A.*, +, *T-MTT Dec 02* 2995-3001

conductor-backed coplanar ccts., use of vias in CPW ground planes. *Haydl, W.H.*, *T-MTT Jun 02* 1571-1577

fully integrated broad-band amplifier MMIC employing novel chip-size package. *Yun, Y.*, +, *T-MTT Dec 02* 2930-2937

GaAs-based HBT 40 Gbit/s opt. receiver IC chipset. *Amamiya, Y.*, +, *MWSYM 02* 87-90 vol.1

GaAs broadband amp. MMIC with RF-CSP for Ku/K band appls. *Young Yun*, +, *MWSYM 02* 409-412 vol.1

GaAs C-band HFET, 27 W, high efficiency and reliab. for space appls. *Minamide, H.*, +, *MWSYM 02* 621-623 vol.2

GaAs CPW line, probe-tip calib. *Carchon, G.*, +, *MWSYM 02* 1837-1840 vol.3

GaAs HBT, CAD, large-sig. model. *Angelov, I.*, +, *MWSYM 02* 2137-2140 vol.3

GaAs-HBT MMIC push-push oscillator, 38 GHz, fixed freq. and VCO versions. *Schott, A.*, +, *MWSYM 02* 839-842 vol.2

GaAs HBT operating as integrated V- to W-band Gunn oscillator. *Rudolph, M.*, +, *MWSYM 02* 1737-1740 vol.3

GaAs MESFET amps., act. antenna sub-array. *Paji, S.*, +, *MWSYM 02* 1527-1530 vol.3

GaAs MESFET digital attenuator MMIC, excess inductance extraction. *Choi, S.C.*, +, *MWSYM 02* 2249-2252 vol.3

GaAs MESFET distributed baseband ICs using artificial-line-division tech. and 3D transm. lines. *Kimura, S.*, +, *T-MTT Jun 02* 1603-1608

GaAs MESFET MMIC mixers, HIPERLAN appl., low distortion. *Ellinger, F.*, +, *T-MTT Jan 02* 178-182

GaAs MESFET modified cascode LNA, dual common source transistors. *Sungmin Ock*, +, *MWSYM 02* 1423-1426 vol.3

GaAs MESFETs, photonic capacitance model, on-wafer scatt. param. meas. *Navarro, C.*, +, *T-MTT Apr 02* 1193-1197

GaAs MHEMT distributed amp. for 40-Gb/s opt. appls. *Heins, M.S.*, +, *MWSYM 02* 1061-1064 vol.2

GaAs MHEMT transimpedance amp. IC for 40-Gb/s appls., fiber optic commun. systs. *Campbell, C.F.*, +, *MWSYM 02* 79-82 vol.1

GaAs-on-Si power amp., wireless handset. *Escalera, N.*, +, *MWSYM 02* 1031-1034 vol.2

GaAs PHEMT, 3D MMIC, V-band bal. freq. doubler. *Nishikawa, K.*, +, *MWSYM 02* 351-354 vol.1

GaAs PHEMT direct digital six-port MM wave receiver, Ka-band, QPSK commun. *Ovidiu Tatu, S.*, +, *RFIC 02* 155-158

GaAs PHEMT distributed amps. for 40 Gb/s EO modulator driver appl., high output. *Yuen, C.*, +, *MWSYM 02* 481-484 vol.1

GaAs pHEMT HV 40 Gb/s E/O modulator driver ICs. *Carroll, J.M.*, +, *MWSYM 02* 489-492 vol.1

GaAs PHEMT LNA and VCO 3D MMICs for V-band single-chip transceiver. *Nishikawa, K.*, +, *MWSYM 02* 1717-1720 vol.3

GaAs pHEMT MMIC chipset for 60 GHz broadband wireless appls. *Vaudescal, O.*, +, *MWSYM 02* 1729-1732 vol.3

GaAs PHEMT MMIC distributed drain mixer, 3-33 GHz. *Kuo-Liang Deng*, +, *RFIC 02* 151-154

GaAs PHEMT MMIC power amp., 15 W, 3G wireless transmitter appls. *Staudinger, J.*, +, *MWSYM 02* 617-620 vol.2

GaAs PHEMT MMIC power amps., 1 W/2 W, for commercial K/Ka-band appls. *Schellenberg, J.M.*, *MWSYM 02* 445-448 vol.1

GaAs PHEMT MMICs, MM-wave radio front-end. *Karkkainen, M.*, +, *MWSYM 02* 1273-1276 vol.2

GaAs PIN diode, high-power limiter cct. *Smith, D.G.*, +, *MWSYM 02* 1245-1247 vol.2

GaAs quadruple subharmonic mixer MMIC, 94 GHz, design and fab. *Kanaya, K.*, +, *MWSYM 02* 1249-1252 vol.2

GaAs Schottky diode, spatial power dividing/combining freq. doubler. *Schumann, B.*, +, *MWSYM 02* 1539-1542 vol.3

GaAs single-MMIC four-channel transmitter, multichannel RF/opt. SCM commun. *Sangwoo Han*, +, *T-MTT Apr 02* 1173-1179

GaAs single-pole dual-throw antenna switch for GSM appl. *Numata, K.*, +, *RFIC 02* 141-144

GaAs three-MESFET monolithic switch, L-band, bias conditions, reson. topologies. *Torres, J.A.*, +, *T-MTT Jan 02* 51-56

GaInP/GaAs HBT, intrinsic base resist., param. extraction algm. *Lenk, F.*, +, *MWSYM 02* 725-728 vol.2

GaInP/GaAs HBT, on-wafer deembedding tech. *Bousnina, S.*, +, *T-MTT Feb 02* 420-424

GaInP/GaAs microwave HBT small-sig. model, direct param.-extraction method. *Bousnina, S.*, +, *T-MTT Feb 02* 529-536

GaInP/GaAs power HBTs, static/dyn. breakdown, meas./modeling. *Heckmann, S.*, +, *MWSYM 02* 1001-1004 vol.2

HBTs, unified collector charge model. *Rudolph, M.*, +, *T-MTT Jul 02* 1747-1751

high-Q factor spiral inductor topol. based on 3D MMIC technol. *Piernas, B.*, +, *T-MTT Aug 02* 1942-1949

InGaP/GaAs broadband monolithic HBT power amps. for 3G handset appls. *Jager, H.*, +, *MWSYM 02* 1035-1038 vol.2

InGaP/GaAs HBT, large-sig. modeling, high-current effects charactn. *Shirokov, M.S.*, +, *T-MTT Apr 02* 1084-1094

InGaP/GaAs HBT MMIC lin. broadband power amps., optimum bias conditions. *Iwamoto, M.*, +, *MWSYM 02* 901-904 vol.2

InGaP/GaAs HBT MMIC VCO, Ku band, with bal./differential topologies. *Dong-Hyun Baek*, +, *MWSYM 02* 847-850 vol.2

InGaP/GaAs HBTs, jn. temp./thermal resist. estim. *Olavsbraten, M.*, *MWSYM 02* 1005-1008 vol.2

InGaP/GaAs power HBT, electro-thermal large-sig. model, param. extraction. *Hyun-Min Park*, +, *MWSYM 02* 1009-1012 vol.2

InGaP/InGaAs PHEMT MM-wave MMIC chipset, 60 GHz, wireless access syst. front-end appl. *Mimino, Y.*, +, *MWSYM 02* 1721-1724 vol.3

InP/InGaAs HPT direct opt. injection-locked oscillator ICs for optoelectronic clock recovery ccts., 10/39 GHz. *Kamitsuna, H.*, +, *MWSYM 02* 1699-1702 vol.3

InP/InGaAs/InP W-band DHBt MMIC power amps. *Yun Wei*, +, *MWSYM 02* 917-920 vol.2

InP/InGaAs SHBT, self-heating and impact ionization, large-sig. model. *Taeho Kim*, +, *MWSYM 02* 2141-2144 vol.3

InP/InGaAs single HBT, scalable noise model, broad-band amp. ccts. *Huber, A.*, +, *T-MTT Jul 02* 1675-1682

microwave planar act. filters in GaAs and SiGe technols. *Bazzi, H.*, +, *MWSYM 02* 421-424 vol.1

p-HEMT MMIC 8 GHz transient sig. digitizer, charactn. *Ghis, A.*, +, *MWSYM 02* 1673-1676 vol.3

photodetector and photomixer ccts., convolution-based global simul. *Ameen, D.B.*, +, *T-MTT Oct 02* 2253-2258

slot line on semicond. plasma substr., opt. control of MM-waves. *Dana, S.K.*, +, *T-MTT Jan 02* 207-210

spline large-signal FET model based on bias-dependent pulsed I-V meas. *Kyoungmin Koh*, +, *T-MTT Nov 02* 2598-2603

thermoelec. microwave power sens., broadband/MMIC compatible, using std. foundry proc. *Dehe, A.*, +, *MWSYM 02* 1829-1832 vol.3

Gallium compounds

AlGaIn/GaN HEMT power amp., act. integrated antenna. *Younkyu Chung*, +, *MWSYM 02* 433-436 vol.1

AlGaIn/GaN HEMTs, intrinsic noise charact. *Sungjae Lee*, +, *MWSYM 02* 1415-1418 vol.3

AlGaIn/GaN HFET amp., RF charact. *Trew, R.J.*, *MWSYM 02* 1811-1814 vol.3

AlGaIn/GaN microwave power HEMTs on 4" Si wafers, charact. *Manohar, S.*, +, *MWSYM 02* 449-452 vol.1

AlGaIn/GaN power HEMTs, RF perform./thermal anal., self-heating effects. *Nuttinck, S.*, +, *MWSYM 02* 921-924 vol.2

AlGaIn/GaN power HEMT using surface-charge-controlled struct., microwave appls. *Kikkawa, T.*, +, *MWSYM 02* 1815-1818 vol.3

- AlGaIn/GaN wide-bandgap microwave HEMTs, trapping effects. *Binari, S.C.*, +, *MWSYM 02* 1823-1826 vol.3
- Al_{1-x}Ga_xN/GaN HEMTs for microwave/Rf control appls. *Drozdzowski, N.V.*, +, *T-MTT Jan 02* 4-8
- GaInP/GaAs HBT, intrinsic base resist., param. extraction algm. *Lenk, F.*, +, *MWSYM 02* 725-728 vol.2
- GaInP/GaAs HBT, on-wafer deembedding tech. *Bousnina, S.*, +, *T-MTT Feb 02* 420-424
- GaInP/GaAs microwave HBT small-sig. model, direct param.-extraction method. *Bousnina, S.*, +, *T-MTT Feb 02* 529-536
- GaInP/GaAs power HBTs, static/dyn. breakdown, meas./modeling. *Heckmann, S.*, +, *MWSYM 02* 1001-1004 vol.2
- GaN FET, large-sig. model, nonlin. anal., Volterra series. *Islam, S.S.*, +, *MWSYM 02* 267-270 vol.1
- GaN MESFET nonlinearities, large-sig. model, Volterra series. *Islam, S.S.*, +, *RFIC 02* 351-354
- InGaP/GaAs broadband monolithic HBT power amps. for 3G handset appls. *Jager, H.*, +, *MWSYM 02* 1035-1038 vol.2
- InGaP/GaAs HBT MMIC lin. broadband power amps., optimum bias conditions. *Iwamoto, M.*, +, *MWSYM 02* 901-904 vol.2
- InGaP/GaAs HBT MMIC VCO, Ku band, with bal./differential topologies. *Dong-Hyun Baek*, +, *MWSYM 02* 847-850 vol.2
- InGaP/GaAs HBTs, jn. temp./thermal resist. estim. *Olavsbraten, M.*, *MWSYM 02* 1005-1008 vol.2
- InGaP/GaAs power HBT, electro-thermal large-sig. model, param. extraction. *Hyun-Min Park*, +, *MWSYM 02* 1009-1012 vol.2
- InGaP/InGaAs PHEMT MM-wave MMIC chipset, 60 GHz, wireless access syst. front-end appl. *Mimino, Y.*, +, *MWSYM 02* 1721-1724 vol.3
- InGaP PHEMTs for 3.5 GHz W-CDMA appls. *Lan, E.*, +, *MWSYM 02* 1039-1042 vol.2
- SiC MESFET MMIC power amp. design appls. *Pribble, W.L.*, +, *MWSYM 02* 1819-1822 vol.3
- SiC wide-bandgap microwave MESFETs, trapping effects. *Binari, S.C.*, +, *MWSYM 02* 1823-1826 vol.3
- Gallium compounds; cf. Gallium arsenide**
- Gas sensors**
- C nanotube RF reson. cct. sens., gas rem. sens. *Chopra, S.*, +, *MWSYM 02* 639-642 vol.2
- Genetic algorithms**
- cpd. multilayered struct., material params., GA. *Zwick, T.*, +, *T-MTT Apr 02* 1180-1187
- microwave line-segment ccts., evol. generation by GA. *Nishino, T.*, +, *T-MTT Sep 02* 2048-2055
- microwave waveguide filter, rect. quadruple-mode cavity. *Boutheiller, N.*, +, *MWSYM 02* 1777-1780 vol.3
- Genetics**
- EHF microwaves, nonthermal effects, cell chromatin conform., comments and reply. *Osepchuk, J.M.*, +, *T-MTT Jul 02* 1856-1858
- Geometrical optics**
- quasi-opt. mode converter, reflector cell, vector diff. theory, GO. *Shiwen Yang*, +, *T-MTT Jul 02* 1849-1852
- Geometrical optics; cf. Ray tracing**
- Geophysical equipment**
- airborne dual-channel microwave radiometers, on-board accurate calib. *Corbella, I.*, +, *T-MTT Jul 02* 1816-1820
- Germanium alloys; cf. Ge-Si alloys**
- Ge-Si alloys**
- 75 GHz BiCMOS UMTS zero-IF receiver, analog baseband chain. *Schelmbauer, W.*, +, *MWSYM 02* 13-16 vol.1
- BiCMOS ICs, high perform. in 0.18 μ m proc. for wireless appls. *Peihua Ye*, +, *MWSYM 02* 175-178 vol.1
- BiCMOS LNA & mixer, high lin., cellular CDMA/AMPS appl. *Aparin, V.*, +, *RFIC 02* 129-132
- BiCMOS technol. for X-band/LMDS microwave appls. *Subbanna, S.*, +, *MWSYM 02* 401-404 vol.1
- LNA, 2.1 GHz, simul.-based automatic synthesis. *Gang Zhang*, +, *RFIC 02* 125-128
- microwave planar act. filters in GaAs and SiGe technols. *Bazzi, H.*, +, *MWSYM 02* 421-424 vol.1
- MMIC receiver, even harmonic type, W-CDMA mobile terminals. *Taniguchi, E.*, +, *RFIC 02* 133-136
- RF HBT technol., LF noise figs.-of-merit. *Jin Tang*, +, *MWSYM 02* 179-182 vol.1
- RF integrat., develop. of technols. and design techs. *Sevenhans, J.*, +, *T-MTT Jan 02* 235-244
- SiGe 20-GHz VCO and freq. divider, varactor-tuned LC-type oscillator, radar transmitter. *Ettinger, K.*, +, *MWSYM 02* 835-838 vol.2
- SiGe 2.4-GHz HBT power amp. with high-Q LTCC harmonic suppression filter. *Raghavan, A.*, +, *MWSYM 02* 1019-1022 vol.2
- SiGe 5-6 GHz act. subharmonic direct-conversion receiver front-end design. *SVitek, R.*, +, *MWSYM 02* 505-508 vol.1
- SiGe BiCMOS direct-conversion W-CDMA front-end receiver chip. *Lie, D.Y.C.*, +, *RFIC 02* 31-34
- SiGe BiCMOS LNA, high lin., wide bandwidth, WLAN appl. *Sadowy, J.*, +, *RFIC 02* 217-220
- SiGe BiCMOS MM-wave IC, monolithic inductor. *Dubuc, D.*, +, *MWSYM 02* 193-196 vol.1
- SiGe BiCMOS octave tunable RC-ring oscillator for fiber optic transceivers. *Sanduleanu, M.A.T.*, +, *RFIC 02* 435-438
- SiGe BiCMOS proc. for wireless appls., 0.18 μ m, mixed sig. ccts. *Peihua Ye*, +, *RFIC 02* 329-332
- SiGe BiCMOS proc. technol. and impact on RFIC design. *Das, A.*, +, *MWSYM 02* 171-174 vol.1
- SiGe BiCMOS proc. technol., RFIC design, LNA design. *Das, A.*, +, *RFIC 02* 325-328
- SiGe BiCMOS quadrature LC VCO, 1.8 V 6/9 GHz switchable dual-band design. *Hyunchol Shin*, +, *RFIC 02* 71-74
- SiGe BiCMOS RC-ring oscillator, fiber optic transceiver. *Sanduleanu, M.A.T.*, +, *MWSYM 02* 545-548 vol.1
- SiGe BiCMOS technol., UMTS zero-IF receiver. *Schelmbauer, W.*, +, *RFIC 02* 267-270
- SiGe BiCMOS transmitter IC, CDMA wireless handset. *Reddy, M.*, +, *RFIC 02* 35-38
- SiGe BiCMOS TX-IC, W-CDMA mobile terminal. *Joba, H.*, +, *RFIC 02* 27-30
- SiGe bipolar monolithic integrated mixer, 40 GHz, design. *Hackl, S.*, +, *MWSYM 02* 1241-1244 vol.2
- SiGe bipolar PLL freq. synthesizer, VCO and divide-by-16 static freq. divider. *Ritzberger, G.*, +, *MWSYM 02* 831-834 vol.2
- SiGe bipolar technol. dual-modulus prescaler, static divider stages, differential CML. *Knapp, H.*, +, *RFIC 02* 239-242
- SiGe bipolar transimpedance amp. array for 12 parallel 10 Gb/s opt. fiber links. *Schild, A.*, +, *RFIC 02* 89-92
- SiGe COM2 enhanced graded base BiCMOS technol., high speed appls. *Ivanov, T.*, +, *RFIC 02* 337-340
- SiGe COM2 enhanced graded base modular BiCMOS technol. for high speed appls. *Ivanov, T.*, +, *MWSYM 02* 183-186 vol.1
- SiGe HBT cascode LNAs, 2-GHz, geom./bias current optim. *Qingqing Liang*, +, *MWSYM 02* 517-520 vol.1
- SiGe HBT cascode LNAs, geom. and bias current optim. *Qingqing Liang*, +, *RFIC 02* 407-410
- SiGe HBT dual-VCO, cable modem receiver. *Stadius, K.*, +, *RFIC 02* 471-474
- SiGe HBT fully-integrated coupled VCOs, phase noise. *Jacobsson, H.*, +, *MWSYM 02* 577-580 vol.1
- SiGe HBT fully-integrated coupled VCOs, phase noise. *Jacobsson, H.*, +, *RFIC 02* 467-470
- SiGe HBT, IMD, VBIC model. *Ramana Murty, M.*, +, *MWSYM 02* 2165-2168 vol.3
- SiGe HBT, LF noise charactn. & modeling, low phase noise oscillator. *Bary, L.*, +, *RFIC 02* 359-362
- SiGe HBT LNA, IMT-2000 mobile commun. *Jeiyoun Lee*, +, *MWSYM 02* 1261-1264 vol.2
- SiGe HBT, RF power amp., max. operating region. *Inoue, A.*, +, *MWSYM 02* 1023-1026 vol.2
- SiGe HBT, sapphire resonator oscillator, phase noise. *Cibiel, G.*, +, *MWSYM 02* 691-694 vol.2
- SiGe HBTs, reduced press. CVD, RF perform. tradeoffs. *Bongki Mheen*, +, *MWSYM 02* 413-416 vol.1
- SiGe HBTs with HV breakdown struct., RF power charact. *Matsuno, T.*, +, *MWSYM 02* 293-295 vol.1
- SiGe HBT wide-tuning-range dual-VCOs for cable modem receivers. *Stadius, K.*, +, *MWSYM 02* 581-584 vol.1
- SiGe HBT with high breakdown voltage struct., RF power characts. *Matsuno, T.*, +, *RFIC 02* 377-379
- SiGe high-speed bipolar ICs, weak substr. coupling meas./simul. *Steiner, W.*, +, *T-MTT Jul 02* 1705-1713
- SiGe microwave HBT, low phase noise DRO. *Bary, L.*, +, *MWSYM 02* 275-278 vol.1
- SiGe MMIC, flip-chipped on LTCC MCM, multi-path couplings suppress. *Nishino, T.*, +, *MWSYM 02* 1385-1388 vol.3
- SiGe quadrature VCO, fully monolithic design, GSM/DCS-PCS appl. *Cordeau, D.*, +, *RFIC 02* 455-458
- SiGe quadrature VCO, GSM/DCS-PCS appls. *Cordeau, D.*, +, *MWSYM 02* 565-568 vol.1
- SiGe RF HBT, LF noise, fig.-of-merit. *Jin Tang*, +, *RFIC 02* 333-336
- SiGe/Si power HBTs for X- to K-band appls., high perform. *Mohammadi, S.*, +, *RFIC 02* 373-376
- SiGe/Si power HBTs, X- to K-band appls. *Mohammadi, S.*, +, *MWSYM 02* 289-292 vol.1
- SiGe sub-harmonic direct-conversion receiver front-end design for 5-6 GHz band appls. *SVitek, R.*, +, *RFIC 02* 395-398
- Si/SiGe HBT receiver front-end, ISM-band, relax. emitter scaling, consumer-oriented systs., Ka band. *Sonmez, E.*, +, *RFIC 02* 159-162
- Si/SiGe/Si double mesa-type HBT, high-power high-gain X-band. *Zhenqiang Ma*, +, *T-MTT Apr 02* 1101-1108

- poly-SiGe:B resistors, LF noise rel. to B doping/Ge content. *Kun-Ming Chen*, +, *MWSYM* 02 405-408 vol.1
- transceiver chipset for 100 Mbps/1 Gbps digital commun. over CATV. *Alexanian, A.*, +, *RFIC* 02 119-122
- Global Positioning System**
- digital microwave receiver technol. *Tsui, J.B.Y.*, +, *T-MTT Mar* 02 699-705
- E911 GPS receiver, highly integrated, BiCMOS chip. *Wilz, L.*, +, *RFIC* 02 115-118
- MSM5100 cdma2000+AMPS+gpsOne+Bluetooth multimode ASIC, 3G handset. *Butler, B.K.*, +, *RFIC* 02 186A-186F
- tech. and geo-political factors, long-term availability. *McNeff, J.G.*, *T-MTT Mar* 02 645-652
- Gold**
- Au-coated multimode fiber sens., chem. anal. appl., surface plasmon reson. *Fontana, E.*, *T-MTT Jan* 02 82-87
- Government policies; cf.** Research initiatives
- Gradient methods**
- act. microwave imaging, 2D forward and inverse scatt. methods, breast tumor detect. appl. *Qing Huo Liu*, +, *T-MTT Jan* 02 123-133
- microwave device optim., EM scatt., 2D p-adaptive FEM. *Gavrilovic, M.M.*, +, *T-MTT Aug* 02 1901-1911
- microwave struct., fast finite-element-based field optimizer using anal. calc. gradients. *Harscher, P.*, +, *T-MTT Feb* 02 433-439
- Gradient methods; cf.** Conjugate gradient methods
- Grain boundaries**
- poly-SiGe:B resistors, LF noise rel. to B doping/Ge content. *Kun-Ming Chen*, +, *MWSYM* 02 405-408 vol.1
- Graph theory; cf.** Trees (mathematics)
- Graph's function methods**
- 2D photonic crysts. excited by line source, phased-array method to determ. Green's fns. *Caloz, C.*, +, *T-MTT May* 02 1380-1391
- 2D stratified medium, EM field, num. tech. *Aksun, M.I.*, +, *T-MTT May* 02 1264-1274
- 3D multilayer microstrip antennas and ccts., EM modeling. *Feng Ling*, +, *T-MTT Jun* 02 1628-1635
- anisotropic stripline struct., printed apertures, dyn. model. *Lacava, J.C.D.S.*, +, *T-MTT Jan* 02 22-26
- axisymmetric composite microwave cavities, reson. freq. and Q factor. *Kishk, A.A.*, +, *T-MTT Oct* 02 2287-2293
- coplanar ferroelec. thin-film devices, anisotropic permitt./atten. from propag. consts., full-wave Green's fn. solver. *Krowne, C.M.*, +, *T-MTT Feb* 02 537-548
- dyadic Green's fn. of multilayer cylindrical closed and sector structures for waveguide, microstrip-antenna, and network anal. *Thiel, M.*, +, *T-MTT Nov* 02 2576-2579
- electronic packaging structs., vert. via coupling, differential signaling. *Houfei Chen*, +, *MWSYM* 02 983-986 vol.2
- grounded dielec. slab, thick/lossy, complete pole location. *Swee-Ann Teo*, +, *T-MTT Feb* 02 440-445
- microstrip line, Y-type hexaferrite substr. *Hoton How*, +, *T-MTT May* 02 1280-1288
- microstrip resonators fabricated on magnetized ferrites with arbitrarily oriented bias mag. field. *Leon, G.*, +, *T-MTT Jun* 02 1510-1519
- microstrip single-layer and multilayer struct., closed-form Green's fns. *Yuehe Ge*, +, *T-MTT Jun* 02 1556-1560
- microstrip substr., 2D Green's fns., Berenger/leaky modes series. *Rogier, H.*, +, *T-MTT Jul* 02 1696-1704
- microstrip transm. layered struct. with complex media, atten. determ. *Krowne, C.M.*, *T-MTT Jan* 02 112-122
- multilayered PC transm. lines, leakage anal., discrete complex-images tech. *Bernal, J.*, +, *T-MTT Aug* 02 1895-1900
- near field to far field time domain transform. for FDTD in two dims., transient response. *Feng Xu*, +, *MWSYM* 02 2057-2060 vol.3
- PCB, RF multilayer layout, EM coupling, full-wave model. *Abdul-Gaffoor, M.R.*, +, *T-MTT Jun* 02 1445-1457
- planar anisotropic layered printed struct., react. integrals in EFIE anal. *Mesa, F.*, +, *T-MTT Sep* 02 2142-2146
- planar layered medium, MPIE formulation, Green's fn. *Shuley, N.V.*, +, *T-MTT Sep* 02 2185-2192
- planar RF/microwave ICs, EM model, integral eqn. *Okhmatovski, V.I.*, +, *MWSYM* 02 1897-1900 vol.3
- rect. dielec. resonator in MIC environ., reson. modes simul. *Yaxun Liu*, +, *MWSYM* 02 1901-1904 vol.3
- ridge waveguide, dispersion rel. anal. using overlapping T-blocks. *Cho, Y.H.*, +, *T-MTT Oct* 02 2368-2373
- shielded planar struct., summation-by-parts algm., convergence accel. *Mosig, J.R.*, +, *T-MTT Jan* 02 215-218
- substr.-superstrate dielec. waveguide, continuous spectrum, approx. anal. eval. *Baccarelli, P.*, +, *MWSYM* 02 953-956 vol.2
- UHF microstrip amp., radiation, spectral-domain dyadic Green's fn., full-wave method. *Tzzy-Sheng Horng*, +, *T-MTT Aug* 02 2005-2010
- uniplanar transm. lines, surface leaky waves, representation. *Machac, J.*, +, *T-MTT Feb* 02 583-585
- Gunn devices; cf.** Gunn oscillators
- Gunn oscillators**
- GaAs HBT operating as integrated V- to W-band Gunn oscillator. *Rudolph, M.*, +, *MWSYM* 02 1737-1740 vol.3
- surface mount 77-GHz VCO for automotive radar appls. *Priestley, N.*, +, *MWSYM* 02 1863-1866 vol.3
- Gynecology; cf.** Mammography
- Gyrotrons**
- ideal Gaussian beams, phase retrieval, irradiance moments method. *Anderson, J.P.*, +, *T-MTT Jun* 02 1526-1535
- microwave/MM-wave radar, hist., mil. and civ. appls. *Skolnik, M.*, *T-MTT Mar* 02 625-632
- PLZT ferroelec. cathode, microwave gyro amp. *Einat, M.*, +, *T-MTT Apr* 02 1227-1230
- RF vac. electronics, hist. & recent advances. *Parker, R.K.*, +, *T-MTT Mar* 02 835-845
- H**
- Hankel transforms**
- cylindrically stratified media, microwave imaging, anal. method. *Akhtar, M.J.*, +, *MWSYM* 02 2005-2008 vol.3
- Hardware description languages**
- VHDL-RF/MW, lang. design requirements. *Willis, J.*, +, *MWSYM* 02 2093-2095 vol.3
- Harmonic analysis**
- enhancement-mode power pHEMT model. *Ce-Jun Wei*, +, *T-MTT Jan* 02 57-61
- self-oscillating microstrip antennas, coupled EM/nonlin. optim. *Rizzoli, V.*, +, *MWSYM* 02 123-126 vol.1
- Harmonic distortion**
- InGaP/GaAs HBT MMIC lin. broadband power amps., optimum bias conditions. *Iwamoto, M.*, +, *MWSYM* 02 901-904 vol.2
- microwave fiber-radio links, nonlin. distortion/crosstalk. *Funk, E.E.*, +, *MWSYM* 02 1691-1693 vol.3
- nonlin. source-pull separation from nonlin. syst. behavior. *Crama, P.*, +, *T-MTT Aug* 02 1890-1894
- predistortion cct. design for 2nd- and 3rd-order lin. in laser-based radio-over-fiber systs. *Roselli, L.*, +, *MWSYM* 02 1711-1714 vol.3
- Harmonic oscillators (circuits)**
- GaAs-HBT MMIC push-push oscillator, 38 GHz, fixed freq. and VCO versions. *Schott, A.*, +, *MWSYM* 02 839-842 vol.2
- Harmonics**
- 60-GHz uniplanar MMIC 4 x subharmonic mixer. *Chapman, M.W.*, +, *T-MTT Nov* 02 2580-2588
- anal. and control of harmonic radiation from active integrated oscillator antennas. *Cryan, M.J.*, +, *T-MTT Nov* 02 2639-2646
- corrections to "Improvement of third-order intermodulation product of RF and microwave amplifiers by injection" (Jun 01 1148-1154). *Aitchison, C.S.*, +, *T-MTT Jan* 02 229
- LDMOSFETs, RF electro-thermal modeling, power-amp. design appl. *Akhtar, S.*, +, *T-MTT Jun* 02 1561-1570
- Schottky diode harmonic mixers, THz freqs., IF power null effects. *Feinaugle, R.*, +, *T-MTT Jan* 02 134-142
- SiGe sub-harmonic direct-conversion receiver front-end design for 5-6 GHz band appls. *Švitek, R.*, +, *RFIC* 02 395-398
- Harmonics; cf.** Harmonics suppression
- Harmonics suppression**
- circ. polarized rectifying antenna array, wireless microwave power transm. *Strassner, B.*, +, *MWSYM* 02 1535-1538 vol.3
- dual-freq. printed dipole rectenna, wireless power transm. *Young-Ho Suh*, +, *T-MTT Jul* 02 1784-1789
- GSM direct conversion transceiver, RF LO. *Magoon, R.*, +, *RFIC* 02 23-26
- SiGe 2.4-GHz HBT power amp. with high-Q LTCC harmonic suppression filter. *Raghavan, A.*, +, *MWSYM* 02 1019-1022 vol.2
- slotted strip iris harmonic rejection filters. *Kirilenko, A.*, +, *MWSYM* 02 373-376 vol.1
- Health care**
- telemedicine systs., wireless commun. in healthcare, microwave indust. outlook. *Schepps, J.*, +, *T-MTT Mar* 02 1044-1045
- Health hazards**
- dosimetry, biological effects of radiofrequency/microwave radiation, thermogenic character. *Adair, E.R.*, +, *T-MTT Mar* 02 953-962
- EHF microwaves, nonthermal effects, cell chromatin conform., comments and reply. *Osepchuk, J.M.*, +, *T-MTT Jul* 02 1856-1858
- GSM base-station antenna, human exposure eval., multiple-region/FDTD method. *Bernardi, P.*, +, *MWSYM* 02 1747-1750 vol.3
- human tissue, W-band dielec. props./SAR distrib./thermal response. *Gustrau, F.*, +, *T-MTT Oct* 02 2393-2400
- microstrip tapered balun printed dipole ref., specific absorpt. rate meas. *Richard, M.*, +, *MWSYM* 02 1743-1746 vol.3

- radiobase antenna dosimetric problems, parallel FDTD tool. *Catarinucci, L.*, +, *MWSYM 02 1755-1758* vol.3
- RF/microwave radiation, thermal biological effects, comments and reply. *King, R.W.P.*, +, *T-MTT Aug 02 2032-2033*
- UMTS, bioelectromagnetic overview, radiowave sig. effects. *Cappelli, M.*, +, *MWSYM 02 2265-2268* vol.3
- Heat conduction**
- RF-MEM-switches, thermal effects anal., FDTD method. *Thiel, W.*, +, *MWSYM 02 235-238* vol.1
- Heat radiation**
- microwave oven, heating proc. modeling, heat radiation effects. *Haala, J.*, +, *T-MTT May 02 1346-1354*
- Heat sinks**
- Si integrated IMPATT diode. *Luscas, M.*, +, *MWSYM 02 1269-1272* vol.2
- Heat transfer; cf. Cooling; Heat conduction; Heat radiation**
- Heavily doped semiconductors**
- poly-SiGe:B resistors, LF noise rel. to B doping/Ge content. *Kun-Ming Chen*, +, *MWSYM 02 405-408* vol.1
- Helical waveguides**
- coaxial helical-groove slow-wave struct., dispersion eqn. and coupling impedance. *Guofen Yu*, +, *T-MTT Jan 02 191-200*
- HEMT circuits**
- AlGaIn/GaN HEMT power amp., act. integrated antenna. *Younkyu Chung*, +, *MWSYM 02 433-436* vol.1
- InP HEMT and HTD, ultra-low-power VCO. *Cidronali, A.*, +, *RFIC 02 297-300*
- PHEMT V-band freq. doubler, broadband operation, freq. tuning. *Piernas, B.*, +, *T-MTT Apr 02 1120-1126*
- HEMT circuits; cf. HEMT integrated circuits**
- HEMT integrated circuits**
- 40 GHz-band fully monolithic HEMT VCO with, one-wave length microstrip resonator. *Ikematsu, H.*, +, *MWSYM 02 843-846* vol.2
- act. MMIC filter for on-chip X-band radar receiver front-ends. *Malmqvist, R.*, +, *MWSYM 02 1907-1910* vol.3
- AlGaAs/InGaAs/AlGaAs p-HEMT distrib. amp. MMICs, opt. modulator driver appl. *Virk, R.S.*, +, *MWSYM 02 91-95* vol.1
- AlGaAs/InGaAs/GaAs pHEMT power amps., Ka-band intercept point behavior. *Merkle, T.*, +, *MWSYM 02 453-456* vol.1
- automotive radar chip set, 38/76 GHz, low cost PHEMT technol. *Werthof, A.*, +, *MWSYM 02 1855-1858* vol.3
- broadband push-pull power amp. MMIC operating at K/Ka-band freqs. *Schellenberg, J.M.*, +, *MWSYM 02 909-912* vol.2
- device develop., early hist. *Mimura, T.*, *T-MTT Mar 02 780-782*
- dual-gate FET mixers, IMD anal., large-sig./small-sig. anal. *Junghyun Kim*, +, *T-MTT Jun 02 1544-1555*
- GaAs broadband amp. MMIC with RF-CSP for Ku/K band appls. *Young Yun*, +, *MWSYM 02 409-412* vol.1
- GaAs MHEMT distributed amp. for 40-Gb/s opt. appls. *Heins, M.S.*, +, *MWSYM 02 1061-1064* vol.2
- GaAs MHEMT transimpedance amp. IC for 40-Gb/s appls., fiber optic commun. systs. *Campbell, C.F.*, +, *MWSYM 02 79-82* vol.1
- GaAs PHEMT, 3D MMIC, V-band bal. freq. doubler. *Nishikawa, K.*, +, *MWSYM 02 351-354* vol.1
- GaAs PHEMT direct digital six-port MM wave receiver, Ka-band, QPSK commun. *Ovidiu Tatu, S.*, +, *RFIC 02 155-158*
- GaAs PHEMT distributed amps. for 40 Gb/s EO modulator driver appl., high output. *Yuen, C.*, +, *MWSYM 02 481-484* vol.1
- GaAs PHEMT HV 40 Gb/s E/O modulator driver ICs. *Carroll, J.M.*, +, *MWSYM 02 489-492* vol.1
- GaAs PHEMT LNA and VCO 3D MMICs for V-band single-chip transceiver. *Nishikawa, K.*, +, *MWSYM 02 1717-1720* vol.3
- GaAs p-HEMT MMIC 8 GHz transient sig. digitizer, charactn. *Ghis, A.*, +, *MWSYM 02 1673-1676* vol.3
- GaAs pHEMT MMIC chipset for 60 GHz broadband wireless appls. *Vaudescal, O.*, +, *MWSYM 02 1729-1732* vol.3
- GaAs PHEMT MMIC distributed drain mixer, 3-33 GHz. *Kuo-Liang Deng*, +, *RFIC 02 151-154*
- GaAs PHEMT MMIC power amp., 15 W, 3G wireless transmitter appls. *Staudinger, J.*, +, *MWSYM 02 617-620* vol.2
- GaAs PHEMT MMIC power amps., 1 W/2 W, for commercial K/Ka-band appls. *Schellenberg, J.M.*, *MWSYM 02 445-448* vol.1
- GaAs PHEMT MMICs, MM-wave radio front-end. *Karkkainen, M.*, +, *MWSYM 02 1273-1276* vol.2
- GaN HEMT MMIC power amp. design appls. *Pribble, W.L.*, +, *MWSYM 02 1819-1822* vol.3
- HEMT voltage controlled bi-directional amps. in support of component reuse for large aperture phase array. *Yang, J.M.*, +, *MWSYM 02 65-68* vol.1
- InGaP/InGaAs PHEMT MM-wave MMIC chipset, 60 GHz, wireless access syst. front-end appl. *Mimino, Y.*, +, *MWSYM 02 1721-1724* vol.3
- InP HEMT DEMUX IC, data and clock distrib., SCFL. *Kano, H.*, +, *MWSYM 02 75-78* vol.1
- InP HEMT W-band monolithic resistive mixer archits. *Barnes, A.R.*, +, *MWSYM 02 1867-1870* vol.3
- integrated microwave sensors for cavity-length measurement in machine engineering. *Megej, A.*, +, *T-MTT Dec 02 3070-3076*
- Ku-band MMIC LNA with bias cct. for temp. depend. and proc. var. compensation. *Yamanaka, K.*, +, *MWSYM 02 1427-1430* vol.3
- Ku-band MMICs in low-cost SMT compatible packages. *Huang, H.C.*, +, *MWSYM 02 27-30* vol.1
- LTCC integrated tri-band direct conversion receiver front-end module. *Lucero, R.*, +, *MWSYM 02 1545-1548* vol.3
- MMIC act. phase shifter struct., tunable all-pass filter. *Viveiros, D., Jr.*, +, *T-MTT Aug 02 1885-1889*
- mobile handset transmitter unit, high-efficiency lin. power amps. *Staudinger, J.*, *RFIC 02 45-48*
- PHEMT LNA, enhancement mode, lin. control, logic controllable bypass-mitigated switch. *Kumar, S.*, +, *RFIC 02 213-216*
- PHEMT MMIC Ku-band amps., SMT packages. *Huang, H.C.*, +, *RFIC 02 281-284*
- PHEMT MMIC upconverter, ESM appl. *Devlin, L.M.*, +, *MWSYM 02 257-261* vol.1
- PHEMT MMIC wideband power amp. *Komiak, J.J.*, +, *MWSYM 02 905-907* vol.2
- PHEMT MM-wave MMIC chipset, 60 GHz wireless links and radar appls. *Fujii, K.*, +, *MWSYM 02 1725-1728* vol.3
- S-band broadband monolithic class-E power amp., design and fab. *Tayrani, R.*, *RFIC 02 53-56*
- single-chip 94 GHz FMCW radar module for commercial sens. appls. *Tessmann, A.*, +, *MWSYM 02 1851-1854* vol.3
- ultra low-power VCO based on InP HEMT and heterojn. interband tunnel diode for wireless appl. *Cidronali, A.*, +, *MWSYM 02 43-47* vol.1
- wideband high dyn. range receiver MMIC for EW appls. *Bannister, D.C.*, +, *RFIC 02 147-149*
- X-band on-chip radar receiver front-end for adaptive smart skin array antennas. *Malmqvist, R.*, +, *MWSYM 02 1431-1434* vol.3
- Heterodyne detection**
- 200-285-GHz waveguide SIS mixer with inhomog. distributed jn. array. *Takeda, M.*, +, *T-MTT Nov 02 2618-2623*
- BPSK mm-wave sigs., opt. delivery via free-running laser heterodyne with freq. drift cancellation. *Johansson, L.A.*, +, *MWSYM 02 1695-1697* vol.3
- microwave communication link with self-heterodyne direct down conversion and system predistortion. *Park, J.*, +, *T-MTT Dec 02 3059-3063*
- self-heterodyne direct down conversion microwave commun. link, syst. predistortion. *Jin Park*, +, *MWSYM 02 939-942* vol.2
- Heterojunction bipolar transistors**
- AlN HBT, Ku-band power amp., flip-chip mounting. *Vendier, O.*, +, *MWSYM 02 1389-1392* vol.3
- direct optical injection locking of InP/InGaAs HPT oscillator ICs for microwave photonics and 40-Gbit/s-class optoelectronic clock recovery. *Kamitsuna, H.*, +, *T-MTT Dec 02 3002-3008*
- extrinsic base-collector capacitance derived from S-param. meas. *Wasige, E.*, +, *MWSYM 02 733-736* vol.2
- GaAs-based HBT 40 Gbit/s opt. receiver IC chipset. *Amamiya, Y.*, +, *MWSYM 02 87-90* vol.1
- GaAs-based HBTs, unified collector charge model. *Rudolph, M.*, +, *T-MTT Jul 02 1747-1751*
- GaAs HBT, CAD, large-sig. model. *Angelov, I.*, +, *MWSYM 02 2137-2140* vol.3
- GaAs-HBT MMIC push-push oscillator, 38 GHz, fixed freq. and VCO versions. *Schott, A.*, +, *MWSYM 02 839-842* vol.2
- GaInP/GaAs HBT, intrinsic base resist., param. extraction algm. *Lenk, F.*, +, *MWSYM 02 725-728* vol.2
- GaInP/GaAs HBT, on-wafer deembedding tech. *Bousnina, S.*, +, *T-MTT Feb 02 420-424*
- GaInP/GaAs microwave HBT small-sig. model, direct param.-extraction method. *Bousnina, S.*, +, *T-MTT Feb 02 529-536*
- GaInP/GaAs power HBTs, static/dyn. breakdown, meas./modeling. *Heckmann, S.*, +, *MWSYM 02 1001-1004* vol.2
- GSM/EDGE dual-mode, 900/1800/1900-MHz triple-band HBT MMIC power amp. module. *Yamamoto, K.*, +, *RFIC 02 245-248*
- InGaP/GaAs HBT, large-sig. modeling, high-current effects charactn. *Shirokov, M.S.*, +, *T-MTT Apr 02 1084-1094*
- InGaP/GaAs HBT MMIC lin. broadband power amps., optimum bias conditions. *Iwamoto, M.*, +, *MWSYM 02 901-904* vol.2
- InGaP/GaAs HBTs, jn. temp./thermal resist. estim. *Olavsbraten, M.*, *MWSYM 02 1005-1008* vol.2
- InGaP/GaAs power HBT, electro-thermal large-sig. model, param. extraction. *Hyun-Min Park*, +, *MWSYM 02 1009-1012* vol.2
- InP DHBT, noise and Z-param. transforms. *Yong Zhong Xiong*, +, *T-MTT Apr 02 1109-1113*
- InP-HBT small-sig. equiv. ccts., improved automatic param. extraction. *Willen, B.*, +, *T-MTT Feb 02 580-583*
- InP HBT VCO IC for OC-768 fiber optic commun. appls. *Liyang Zhang*, +, *RFIC 02 85-88*

- InP/InGaAs fully integrated 40-Gbit/s clock and data recovery cct., opt. commun. systs. *Nosaka, H.*, +, *MWSYM* 02 83-86 vol.1
- InP/InGaAs HPT direct opt. injection-locked oscillator ICs for optoelectronic clock recovery ccts., 10/39 GHz. *Kamitsuna, H.*, +, *MWSYM* 02 1699-1702 vol.3
- InP/InGaAs SHBT, self-heating and impact ionization, large-sig. model. *Taeho Kim*, +, *MWSYM* 02 2141-2144 vol.3
- InP/InGaAs single HBT, scalable noise model, broad-band amp. ccts. *Huber, A.*, +, *T-MTT Jul* 02 1675-1682
- intermodulation asymmetry, time domain meas. syst. *Williams, D.J.*, +, *MWSYM* 02 1841-1844 vol.3
- Ku-band coplanar HBT MMIC HPA, flip-chip assembly. *Frayssé, J.P.*, +, *MWSYM* 02 441-444 vol.1
- lin. model params., direct extraction method. *Ouslimani, A.*, +, *T-MTT Jan* 02 218-221
- modeling and charactn. of SiGe HBT LF noise figures-of-merit for RFIC appls. *Jin Tang*, +, *T-MTT Nov* 02 2467-2473
- optimum bias conditions for linear broad-band InGaP/GaAs HBT power amplifiers. *Iwamoto, M.*, +, *T-MTT Dec* 02 2954-2962
- peeling algorithm for extraction of HBT small-signal equivalent circuit. *Sheinman, B.*, +, *T-MTT Dec* 02 2804-2810
- Pi-topol. equiv. ccts., transit-time effects. *Rudolph, M.*, +, *MWSYM* 02 997-1000 vol.2
- power HBTs, nonlin. behavior, Volterra-series anal. model, mobile comms appls. *Woonyun Kim*, +, *T-MTT Jul* 02 1714-1722
- SiGe BiCMOS proc. technol. and impact on RFIC design. *Das, A.*, +, *MWSYM* 02 171-174 vol.1
- SiGe BiCMOS proc. technol., RFIC design, LNA design. *Das, A.*, +, *RFIC* 02 325-328
- SiGe HBT cascode LNAs, geom. and bias current optim. *Qingqing Liang*, +, *RFIC* 02 407-410
- SiGe HBT dual-VCO, cable modem receiver. *Stadius, K.*, +, *RFIC* 02 471-474
- SiGe HBT fully-integrated coupled VCOs, phase noise. *Jacobsson, H.*, +, *MWSYM* 02 577-580 vol.1
- SiGe HBT fully-integrated coupled VCOs, phase noise. *Jacobsson, H.*, +, *RFIC* 02 467-470
- SiGe HBT, IMD, VBIC model. *Ramana Murty, M.*, +, *MWSYM* 02 2165-2168 vol.3
- SiGe HBT, LF noise charactn. & modeling, low phase noise oscillator. *Bary, L.*, +, *RFIC* 02 359-362
- SiGe HBT LNA, IMT-2000 mobile commun. *Jeiyong Lee*, +, *MWSYM* 02 1261-1264 vol.2
- SiGe HBT, RF power amp., max. operating region. *Inoue, A.*, +, *MWSYM* 02 1023-1026 vol.2
- SiGe HBT, sapphire resonator oscillator, phase noise. *Cibiel, G.*, +, *MWSYM* 02 691-694 vol.2
- SiGe HBTs, reduced press. CVD, RF perform. tradeoffs. *Bongki Mheen*, +, *MWSYM* 02 413-416 vol.1
- SiGe HBTs with HV breakdown struct., RF power charact. *Matsuno, T.*, +, *MWSYM* 02 293-295 vol.1
- SiGe HBT with high breakdown voltage struct., RF power characts. *Matsuno, T.*, +, *RFIC* 02 377-379
- SiGe microwave HBT, low phase noise DRO. *Bary, L.*, +, *MWSYM* 02 275-278 vol.1
- SiGe RF HBT, LF noise, fig.-of-merit. *Jin Tang*, +, *RFIC* 02 333-336
- SiGe RF HBT technol., LF noise figs.-of-merit. *Jin Tang*, +, *MWSYM* 02 179-182 vol.1
- SiGe/Si power HBTs for X- to K-band appls., high perform. *Mohammadi, S.*, +, *RFIC* 02 373-376
- SiGe/Si power HBTs, X- to K-band appls. *Mohammadi, S.*, +, *MWSYM* 02 289-292 vol.1
- Si/SiGe HBT receiver front-end, ISM-band, relax. emitter scaling, consumer-oriented systs., Ka band. *Sonmez, E.*, +, *RFIC* 02 159-162
- Si/SiGe/Si double mesa-type HBT, high-power high-gain X-band. *Zhenqiang Ma*, +, *T-MTT Apr* 02 1101-1108
- small-sig. T and model extraction. *Tasker, P.J.*, +, *MWSYM* 02 2129-2132 vol.3
- W-CDMA terminals, HBT power amp., const. voltage / const. current parallel operation. *Shinjo, S.*, +, *RFIC* 02 249-252
- wireless power amp., semicond. devices comparison. *Weitzel, C.E.*, *RFIC* 02 369-372
- HF amplifiers**
nonlin. power amp. modeling taking into account HF memory freq. *Launay, F.*, +, *MWSYM* 02 865-868 vol.2
push/pull class-DE switching power amp., shunt capacitances. *Alipov, A.*, +, *MWSYM* 02 1635-1638 vol.3
- High electron mobility transistors**
AlGaIn/GaN HEMTs, intrinsic noise charact. *Sungjae Lee*, +, *MWSYM* 02 1415-1418 vol.3
AlGaIn/GaN wide-bandgap microwave HEMTs, trapping effects. *Binari, S.C.*, +, *MWSYM* 02 1823-1826 vol.3
DC, RF, and microwave noise performs. of AlGaIn/GaN HEMTs on sapphire substs. *Lu, W.*, +, *T-MTT Nov* 02 2499-2504
- device develop., early hist. *Mimura, T.*, *T-MTT Mar* 02 780-782
dyn. behavior, bias/temp./freq. depend. *Parker, A.E.*, +, *MWSYM* 02 993-996 vol.2
large-sig. PHEMT/MESFET model incl. DC/RF dispersion. *Wei, C.J.*, +, *MWSYM* 02 2133-2136 vol.3
LNA, technol./perform. evol. *Whelehan, J.J.*, *T-MTT Mar* 02 806-813
multi-fingered PHEMTs, electrothermal modeling. *Byk, E.*, +, *MWSYM* 02 2085-2088 vol.3
noise models, noise fig. meas. *Rudolph, M.*, +, *T-MTT Feb* 02 461-464
nonlin. microwave device model param. estim. method based on vectorial large-sig. meas. *Schreurs, D.M.M.-P.*, +, *T-MTT Oct* 02 2315-2319
PHEMT IMD prediction using nonlin. discrete convolution model. *Costantini, A.*, +, *MWSYM* 02 857-860 vol.2
PHEMT, MM-wave model, on-wafer meas. and EM simul. *Cidronali, A.*, +, *T-MTT Feb* 02 425-432
PHEMT, neural model, training data. *Joodaki, M.*, +, *MWSYM* 02 1105-1108 vol.2
PHEMT, quasi-enhancement-mode, large-sig. model. *Shih-Cheng Yang*, +, *MWSYM* 02 2153-2156 vol.3
p-i-n/HEMT and MSM/HEMT monolithic photoreceivers, high-speed, comparison. *Fay, P.*, +, *T-MTT Jan* 02 62-67
small-sig. model, param. extraction. *Fager, C.*, +, *MWSYM* 02 729-732 vol.2
- High electron mobility transistors; cf. Power HEMT**
High field effects; cf. Impact ionization
High-frequency effects; cf. Skin effect
High-frequency transformers
microwave IC modeling using concurrent complementary operators method. *Lan, K.*, +, *MWSYM* 02 887-890 vol.2
multi-layer transformer balun for Si RFIC, LNA appl. *Yang, H.Y.D.*, +, *RFIC* 02 491-494
RF monolithic transformer, elec. charact. *Kamgaing, T.*, +, *MWSYM* 02 205-208 vol.1
Si RFIC, multi-layer transformer balun. *Yang, H.Y.D.*, +, *MWSYM* 02 601-604 vol.1
- High-frequency transmission lines**
air gap transm. lines for mm-wave appls., high perform. *Inho Jeong*, +, *MWSYM* 02 661-664 vol.2
CMOS microstrip transm. line struct., eddy current suppression. *Peter, M.*, +, *MWSYM* 02 2001-2004 vol.3
GaAs MESFET distributed baseband ICs using artificial-line-division tech. and 3D transm. lines. *Kimura, S.*, +, *T-MTT Jun* 02 1603-1608
lossy transm. lines, steady-state skin-effect anal., FEM-based reduced-order model. *Bertazzi, F.*, +, *MWSYM* 02 2025-2028 vol.3
microwave power divider/combiner struct., all-50°. *Turan, E.*, +, *MWSYM* 02 105-108 vol.1
microwave/RF education, past/present/future. *Gupta, K.C.*, +, *T-MTT Mar* 02 1006-1014
neg. refr. index metamaterials supporting 2-D waves. *Iyer, A.K.*, +, *MWSYM* 02 1067-1070 vol.2
uniplanar transm. lines, surface leaky waves, representation. *Machac, J.*, +, *T-MTT Feb* 02 583-585
- High-pass filters**
CPW-to-CPS transits., low-pass/high-pass filters. *Yo-Shen Lin*, +, *MWSYM* 02 2213-2216 vol.3
LTCC freq. doubler, L-band, using embedded lumped element filters. *Hurley, R.*, +, *MWSYM* 02 1549-1552 vol.3
- High-speed integrated circuits**
addressing transient errors in passive macromodels of distributed transmission-line networks. *Dounavis, A.*, +, *T-MTT Dec* 02 2759-2768
CMOS PLL-based freq. synthesizer for WLAN appls. *Xiaomin Yang*, +, *RFIC* 02 479-482
CMOS UTSi SOI proc. high speed digital PLL, low power design. *Wu, G.C.*, +, *RFIC* 02 165-168
contactless probing of HF elec. sigs. using SPM. *Merlin, W.*, *MWSYM* 02 1493-1496 vol.3
design of high-speed master-slave D-Type flip-flop in InP DHBT technology. *Kasbari, A.-E.*, +, *T-MTT Dec* 02 3064-3069
digital ICs, 40 Gb, time-domain waveform meas., cable/connector dispersion removal. *Scott, J.*, +, *MWSYM* 02 1669-1672 vol.3
GaAs MHEMT distributed amp. for 40-Gb/s opt. appls. *Heins, M.S.*, +, *MWSYM* 02 1061-1064 vol.2
high-speed ccts., parallel-plate noise suppression, metallic EM band-gap struct. *Abhari, R.*, +, *MWSYM* 02 493-496 vol.1
high-speed fiber optic data links, component design aspects. *Mader, T.*, *RFIC* 02 81-84
InP DHBT technol. high speed master-slave D-type flip-flop. *Kasbari, A.-E.*, +, *MWSYM* 02 1057-1060 vol.2
microwave syst. DSP, programmability/flexibility. *Asbeck, P.*, +, *T-MTT Mar* 02 900-909
picosecond imaging cct. anal. of ULSI. *P. Mc Manus, M.K.*, +, *MWSYM* 02 1505-1508 vol.3
SiGe BiCMOS technol. for X-band/LMDS microwave appls. *Subbanna, S.*, +, *MWSYM* 02 401-404 vol.1

- SiGe COM2 enhanced graded base BiCMOS technol., high speed appls. *Ivanov, T.*, +, *RFIC 02* 337-340
- SiGe COM2 enhanced graded base modular BiCMOS technol. for high speed appls. *Ivanov, T.*, +, *MWSYM 02* 183-186 vol.1
- SiGe high-speed bipolar ICs, weak substr. coupling meas./simul. *Steiner, W.*, +, *T-MTT Jul 02* 1705-1713
- Si high resist. substr. sampling cct., nonlin. transm. lines. *Abele, P.*, +, *MWSYM 02* 1681-1684 vol.3
- High-speed techniques**
contactless probing of HF elec. sigs. using SPM. *Merlin, W.*, *MWSYM 02* 1493-1496 vol.3
- High-temperature superconductors**
fabrication of MOD-derived YBCO films on (001)LaAlO₃ and their application to $\lambda/4$ CPW SIR BPFs. *Sanada, A.*, +, *T-MTT Dec 02* 2856-2861
- folded dual-mode HTS microstrip resonator/band pass filter. *Raihn, K.F.*, +, *MWSYM 02* 1959-1962 vol.3
- microstrip cct. design, shunt capacitor approx., bandstop filter. *Shen Ye*, *MWSYM 02* 1979-1982 vol.3
- microwave HTSC technol., appls. overview. *Mansour, R.R.*, *T-MTT Mar 02* 750-759
- sapphire rod resonators to measure surface resist. of HTSC films. *Hashimoto, T.*, +, *MWSYM 02* 1975-1978 vol.3
- ultra-selective 22-pole 10-transmission zero superconducting bandpass filter surpasses 50-pole Chebyshev filter. *Tsuzuki, G.*, +, *T-MTT Dec 02* 2924-2929
- YBaCuO HTSC microwave filters, tuning by laser trimming. *Parker, N.J.*, +, *MWSYM 02* 1971-1974 vol.3
- YBaCuO low-loss 5GHz bandpass filter using HTS CPW qtr.-wavelength resonators. *Zhewang Ma*, +, *MWSYM 02* 1967-1970 vol.3
- YBaCuO supercond. bandpass filter, Chebyshev rejection, 3G/4G wireless appl. *Tsuzuki, G.*, +, *MWSYM 02* 1963-1966 vol.3
- History**
50th Anniversary issue (special issue). *T-MTT Mar 02* 592-1072
- 50th Anniversary issue (special issue intro.). *Young, L.*, *T-MTT Mar 02* 592-593
- European microwave activities & infrastructures, overview. *Sorrentino, R.*, +, *T-MTT Mar 02* 1056-1072
- heterodyne reception microwave mixer develop., historical review. *Oxley, T.H.*, *T-MTT Mar 02* 867-876
- historical review of microwave/MM-wave IC. *Niehenke, E.C.*, +, *T-MTT Mar 02* 846-857
- IEEE Microwave Theory and Techniques Soc., 50-yr. hist. *Saad, T.S.*, +, *T-MTT Mar 02* 612-624
- microwave/MM-wave radar, hist., mil. and civ. appls. *Skolnik, M.*, *T-MTT Mar 02* 625-632
- microwave photonics, hist., current status & future prospects. *Seeds, A.J.*, *T-MTT Mar 02* 877-887
- RF vac. electronics, hist. & recent advances. *Parker, R.K.*, +, *T-MTT Mar 02* 835-845
- Hole traps**
AlGaIn/GaN wide-bandgap microwave HEMTs, trapping effects. *Binari, S.C.*, +, *MWSYM 02* 1823-1826 vol.3
- GaN wide-bandgap microwave MESFETs, trapping effects. *Binari, S.C.*, +, *MWSYM 02* 1823-1826 vol.3
- SiC wide-bandgap microwave MESFETs, trapping effects. *Binari, S.C.*, +, *MWSYM 02* 1823-1826 vol.3
- Holography; cf.** Computer-generated holography; Microwave holography
- Horn antennas**
spatial power combiners, waveguide-based with hard horn feeds, array params. optim. *Ozkar, M.*, +, *MWSYM 02* 1301-1304 vol.2
- tile-based spatial power-combining array power amp., bandwidth improve. *Ai-Zayed, A.*, +, *MWSYM 02* 1313-1316 vol.2
- Hot carriers**
AlGaAs/GaAs HBTs, microwave noise sources, scatt. params. *Sakalas, P.*, +, *MWSYM 02* 2117-2120 vol.3
- CMOS VCO, hot carriers and soft breakdown. *Xiao, E.*, +, *MWSYM 02* 569-572 vol.1
- CMOS VCO RF perform., hot carrier & soft-breakdown effects. *Enjun Xiao*, +, *RFIC 02* 459-462
- CPW embedding ccts. for THz hot-electron-bolometer mixers. *Focardi, P.*, +, *T-MTT Oct 02* 2374-2383
- RF down-conversion mixer, soft breakdown and hot carrier reliab., redesign strategies. *Qiang Li*, +, *RFIC 02* 399-402
- Hybrid integrated circuits**
broadband flip-chip transit. design, locally matching tech. *Chun-Long Wang*, +, *MWSYM 02* 1397-1400 vol.3
- engraved NRD guide for mm-wave ICs, design considerations. *Cassivi, Y.*, +, *T-MTT Jan 02* 165-171
- hybrid planar NRD-guide magic-tee jn. *Cassivi, Y.*, +, *T-MTT Oct 02* 2405-2408
- LDMOS and PHEMT broadband distributed power amps., 6 W/high efficiency, using LTCC technol. *Lei Zhao*, +, *MWSYM 02* 897-900 vol.2
- LTCC freq. doubler, L-band, using embedded lumped element filters. *Hurley, R.*, +, *MWSYM 02* 1549-1552 vol.3
- LTCC integrated tri-band direct conversion receiver front-end module. *Lucero, R.*, +, *MWSYM 02* 1545-1548 vol.3
- power amp. module, 20 W, 2080-2200 MHz, optimized for error amp. appls. *Crescenzi, E.J., Jr.*, *MWSYM 02* 613-616 vol.2
- uniplanar MICs, monolithic and hybrid, finite-ground CPW reactive series-connected elements. *Lei Zhu*, +, *T-MTT Feb 02* 549-557
- W-band flip-chip interconnects on thin-film substr. *Schmuckle, F.J.*, +, *MWSYM 02* 1393-1396 vol.3
- Hydrogen compounds; cf.** Ice
- Hyperthermia**
dual-mode antenna, microwave hyperthermia, multifrequency radiometry. *Jacobsen, S.*, +, *T-MTT Jul 02* 1737-1746

I

- GaAs HBT, CAD, large-sig. model. *Angelov, I.*, +, *MWSYM 02* 2137-2140 vol.3
- GaAs HBT operating as integrated V-to W-band Gunn oscillator. *Rudolph, M.*, +, *MWSYM 02* 1737-1740 vol.3
- GaAs MESFET amps., act. antenna sub-array. *Paji, S.*, +, *MWSYM 02* 1527-1530 vol.3
- GaAs MESFET digital attenuator MMIC, excess inductance extraction. *Choi, S.C.*, +, *MWSYM 02* 2249-2252 vol.3
- GaAs MESFET distributed baseband ICs using artificial-line-division tech. and 3D transm. lines. *Kimura, S.*, +, *T-MTT Jun 02* 1603-1608
- GaAs MESFET MMIC mixers, HIPERLAN appl., low distortion. *Ellinger, F.*, +, *T-MTT Jan 02* 178-182
- GaAs MESFET modified cascode LNA, dual common source transistors. *Sungmin Ock*, +, *MWSYM 02* 1423-1426 vol.3
- GaAs MESFETs, photonic capacitance model, on-wafer scatt. param. meas. *Navarro, C.*, +, *T-MTT Apr 02* 1193-1197
- GaAs MHEMT distributed amp. for 40-Gb/s opt. appls. *Heins, M.S.*, +, *MWSYM 02* 1061-1064 vol.2
- GaAs MHEMT transimpedance amp. IC for 40-Gb/s appls., fiber optic commun. systs. *Campbell, C.F.*, +, *MWSYM 02* 79-82 vol.1
- GaAs-on-Si power amp., wireless handset. *Escalera, N.*, +, *MWSYM 02* 1031-1034 vol.2
- GaAs PHEMT, 3D MMIC, V-band bal. freq. doubler. *Nishikawa, K.*, +, *MWSYM 02* 351-354 vol.1
- GaAs PHEMT direct digital six-port MM wave receiver, Ka-band, QPSK commun. *Ovidiu Tatu, S.*, +, *RFIC 02* 155-158
- GaAs PHEMT distributed amps. for 40 Gb/s EO modulator driver appl., high output. *Yuen, C.*, +, *MWSYM 02* 481-484 vol.1
- GaAs pHEMT HV 40 Gb/s E/O modulator driver ICs. *Carroll, J.M.*, +, *MWSYM 02* 489-492 vol.1
- GaAs PHEMT LNA and VCO 3D MMICs for V-band single-chip transceiver. *Nishikawa, K.*, +, *MWSYM 02* 1717-1720 vol.3
- GaAs p-HEMT MMIC 8 GHz transient sig. digitizer, charactn. *Ghis, A.*, +, *MWSYM 02* 1673-1676 vol.3
- GaAs pHEMT MMIC chipset for 60 GHz broadband wireless appls. *Vaudescal, O.*, +, *MWSYM 02* 1729-1732 vol.3
- GaAs PHEMT MMIC distributed drain mixer, 3-33 GHz. *Kuo-Liang Deng*, +, *RFIC 02* 151-154
- GaAs PHEMT MMIC power amp., 15 W, 3G wireless transmitter appls. *Staudinger, J.*, +, *MWSYM 02* 617-620 vol.2
- GaAs PHEMT MMIC power amps., 1 W/2 W, for commercial K/Ka-band appls. *Schellenberg, J.M.*, *MWSYM 02* 445-448 vol.1
- GaAs PHEMT MMICs, MM-wave radio front-end. *Karkkainen, M.*, +, *MWSYM 02* 1273-1276 vol.2
- GaAs PIN diode, high-power limiter cct. *Smith, D.G.*, +, *MWSYM 02* 1245-1247 vol.2
- GaAs quadruple subharmonic mixer MMIC, 94 GHz, design and fab. *Kanaya, K.*, +, *MWSYM 02* 1249-1252 vol.2
- GaAs Schottky diode, spatial power dividing/combining freq. doubler. *Schumann, B.*, +, *MWSYM 02* 1539-1542 vol.3
- GaAs single-MMIC four-channel transmitter, multichannel RF/opt. SCM commun. *Sangwoo Han*, +, *T-MTT Apr 02* 1173-1179
- GaAs single-pole dual-throw antenna switch for GSM appl. *Numata, K.*, +, *RFIC 02* 141-144
- GaAs thermoelec. microwave power sens., broadband/MMIC compatible, using std. foundry proc. *Dehe, A.*, +, *MWSYM 02* 1829-1832 vol.3
- GaAs three-MESFET monolithic switch, L-band, bias conditions, reson. topologies. *Torres, J.A.*, +, *T-MTT Jan 02* 51-56
- GaInP/GaAs HBT, intrinsic base resist., param. extraction algm. *Lenk, F.*, +, *MWSYM 02* 725-728 vol.2
- GaInP/GaAs HBT, on-wafer deembedding tech. *Bousnina, S.*, +, *T-MTT Feb 02* 420-424
- GaInP/GaAs microwave HBT small-sig. model, direct param.-extraction method. *Bousnina, S.*, +, *T-MTT Feb 02* 529-536
- GaInP/GaAs power HBTs, static/dyn. breakdown, meas./modeling. *Heckmann, S.*, +, *MWSYM 02* 1001-1004 vol.2
- GaN FET, large-sig. model, nonlin. anal., Volterra series. *Islam, S.S.*, +, *MWSYM 02* 267-270 vol.1
- GaN HEMT MMIC power amp. design appls. *Pribble, W.L.*, +, *MWSYM 02* 1819-1822 vol.3
- GaN MESFET nonlinearities, large-sig. model, Volterra series. *Islam, S.S.*, +, *RFIC 02* 351-354
- GaN wide-bandgap microwave MESFETs, trapping effects. *Binari, S.C.*, +, *MWSYM 02* 1823-1826 vol.3
- InGaP/GaAs broadband monolithic HBT power amps. for 3G handset appls. *Jager, H.*, +, *MWSYM 02* 1035-1038 vol.2
- InGaP/GaAs HBT, large-sig. modeling, high-current effects charactn. *Shirokov, M.S.*, +, *T-MTT Apr 02* 1084-1094
- InGaP/GaAs HBT MMIC lin. broadband power amps., optimum bias conditions. *Iwamoto, M.*, +, *MWSYM 02* 901-904 vol.2
- InGaP/GaAs HBT MMIC VCO, Ku band, with bal./differential topologies. *Dong-Hyun Baek*, +, *MWSYM 02* 847-850 vol.2
- InGaP/GaAs HBTs, jn. temp./thermal resist. estim. *Olavsbraten, M.*, *MWSYM 02* 1005-1008 vol.2
- InGaP/GaAs power HBT, electro-thermal large-sig. model, param. extraction. *Hyun-Min Park*, +, *MWSYM 02* 1009-1012 vol.2
- InGaP/InGaAs PHEMT MM-wave MMIC chipset, 60 GHz, wireless access syst. front-end appl. *Mimino, Y.*, +, *MWSYM 02* 1721-1724 vol.3
- InGaP PHEMTs for 3.5 GHz W-CDMA appls. *Lan, E.*, +, *MWSYM 02* 1039-1042 vol.2
- InP DHBT, noise and Z-param. transforms. *Yong Zhong Xiong*, +, *T-MTT Apr 02* 1109-1113
- InP DHBT technol. high speed master-slave D-type flip-flop. *Kasbari, A.-E.*, +, *MWSYM 02* 1057-1060 vol.2
- InP-HBT small-sig. equiv. ccts., improved automatic param. extraction. *Willen, B.*, +, *T-MTT Feb 02* 580-583
- InP HBT VCO IC for OC-768 fiber optic commun. appls. *Liyang Zhang*, +, *RFIC 02* 85-88
- InP HEMT and HITD, ultra-low-power VCO. *Cidronali, A.*, +, *RFIC 02* 297-300
- InP HEMT DEMUX IC, data and clock distrib., SCFL. *Kano, H.*, +, *MWSYM 02* 75-78 vol.1
- InP HEMT W-band monolithic resistive mixer archits. *Barnes, A.R.*, +, *MWSYM 02* 1867-1870 vol.3
- InP/InGaAs/InP W-band DHBT MMIC power amps. *Yun Wei*, +, *MWSYM 02* 917-920 vol.2
- InP/InGaAs SHBT, self-heating and impact ionization, large-sig. model. *Taeho Kim*, +, *MWSYM 02* 2141-2144 vol.3
- InP-InGaAs single HBT, scalable noise model, broad-band amp. ccts. *Huber, A.*, +, *T-MTT Jul 02* 1675-1682
- Image processing; cf.** Image reconstruction; Image resolution; Medical image processing; Radar imaging
- Image reconstruction**
- 2D image reconstruction algm. based on FDTD/design sensitivity anal. *No-Weon Kang*, +, *MWSYM 02* 1143-1146 vol.2
- 3D scalar microwave image reconstruction algm. *Meaney, P.M.*, +, *MWSYM 02* 2269-2272 vol.3
- breast tumor detect., confocal microwave imaging, hemispherical breast model. *Fear, E.C.*, +, *MWSYM 02* 1759-1762 vol.3
- cylindrically stratified media, microwave imaging, anal. method. *Akhtar, M.J.*, +, *MWSYM 02* 2005-2008 vol.3
- new 2-D image reconstruction algorithm based on FDTD and design sensitivity analysis. *Kang, N.-W.*, +, *T-MTT Dec 02* 2734-2740
- Image resolution**
- act. microwave imaging, 2D forward and inverse scatt. methods, breast tumor detect. appl. *Qing Huo Liu*, +, *T-MTT Jan 02* 123-133
- Imaging**
- picosecond imaging cct. anal. of ULSI. *P. Mc Manus, M.K.*, +, *MWSYM 02* 1505-1508 vol.3
- Imaging; cf.** Biomedical imaging; Infrared imaging; Magnetic resonance imaging; Microwave imaging; Radar imaging; Submillimeter wave imaging; Tomography
- Impact ionization**
- InP/InGaAs SHBT, self-heating and impact ionization, large-sig. model. *Taeho Kim*, +, *MWSYM 02* 2141-2144 vol.3
- IMPATT diodes**
- Si integrated IMPATT diode. *Luscha, M.*, +, *MWSYM 02* 1269-1272 vol.2
- Impedance converters**
- asymmetric ring-hybrid phase shifters and attenuators. *Hee-Ran Ahn*, +, *T-MTT Apr 02* 1146-1155
- balun conversion into broadband impedance-transforming 180 hybrids. *Kian Sen Ang*, +, *T-MTT Aug 02* 1990-1995
- in-phase hybrid ring equal power divider, broad-banding tech. *Ban-Leong Ooi*, +, *T-MTT Jul 02* 1790-1794
- multioctave spatial power combining in oversized coaxial waveguide. *Pengcheng Jia*, +, *T-MTT May 02* 1355-1360
- Impedance convertors**
- EM-based cct.optim. exploiting partial space mapping and exact sensitivities. *Bandler, J.W.*, +, *MWSYM 02* 2101-2104 vol.3
- lattice-type LC-baluns, lumped and distributed types. *Bakalski, W.*, +, *MWSYM 02* 209-212 vol.1
- Si, high-resist. substr., slow-wave CPW cct. *Naylor, J.*, +, *MWSYM 02* 669-672 vol.2
- stable act. impedance inverter, anal. and appl. to bandpass filter design. *Young-Hoon Chun*, +, *MWSYM 02* 1911-1914 vol.3
- Impedance matching**
- 900-MHz RF receiver with HBM ESD robustness, ESD protection design. *Ming-Dou Ker*, +, *MWSYM 02* 537-540 vol.1
- balun conversion into broadband impedance-transforming 180 hybrids. *Kian Sen Ang*, +, *T-MTT Aug 02* 1990-1995
- complex loads, impedance matching, nonuniform transm. lines. *Gaobiao Xiao*, +, *T-MTT Jun 02* 1520-1525
- coupled-microstrip circulator, coupled-mode design. *Mazur, J.*, +, *T-MTT Jun 02* 1487-1494
- distributed act. transformer, power-combining and imped. transform. tech., CMOS power amp. appl. *Aoki, I.*, +, *T-MTT Jan 02* 316-331

- GaAs broadband amp. MMIC with RF-CSP for Ku/K band appls. *Young Yun, +*, *MWSYM 02* 409-412 vol.1
- GaAs C-band HFET, 27 W, high efficiency and reliab. for space appls. *Minamide, H., +*, *MWSYM 02* 621-623 vol.2
- GaAs PHEMT MMIC distributed drain mixer, 3-33 GHz. *Kuo-Liang Deng, +*, *RFIC 02* 151-154
- hybrid power amp. module, 20 W, 2080-2200 MHz, optimized for error amp. appls. *Crescenzi, E.J., Jr., MWSYM 02* 613-616 vol.2
- microwave power divider/combiner struct., all-50 . *Turan, E., +*, *MWSYM 02* 105-108 vol.1
- narrow-band matching networks for quasi-TEM coupled microstrip lines. *Nickel, J.G., +*, *T-MTT May 02* 1392-1399
- PHEMT LNA, enhancement mode, lin. control, logic controllable bypass-mitigated switch. *Kumar, S., +*, *RFIC 02* 213-216
- RF-interconnect for multi-Gb/s digital interface based on 10 GHz RF-modulation in 0.18 μ m CMOS. *Hyunchol Shin, +*, *MWSYM 02* 477-480 vol.1
- Si based monolithic integrated transformers, substr. RF losses. *Ng, K.T., +*, *T-MTT Jan 02* 377-383
- SiGe HBT cascode LNAs, 2-GHz, geom./bias current optim. *Qingqing Liang, +*, *MWSYM 02* 517-520 vol.1
- SiGe LNA, 2.1 GHz, simul.-based automatic synthesis. *Gang Zhang, +*, *RFIC 02* 125-128
- simultaneous conj.-matched mixer, RF and IF ports matching cct. synthesis, quasi-lin. approach. *Yew Hui Liew, +*, *T-MTT Sep 02* 2056-2062
- Si, porous CPW interconnects, porosity effects. *Itotia, I.K., +*, *MWSYM 02* 681-684 vol.2
- UHF microstrip amp., radiation, spectral-domain dyadic Green's fn., full-wave method. *Tzyy-Sheng Horng, +*, *T-MTT Aug 02* 2005-2010
- wireless microwave power transm., 5.8-GHz circ. polarized rectenna. *Strassner, B., +*, *T-MTT Aug 02* 1870-1876
- WLAN 5.8-GHz two-stage high-lin. LV LNA, 0.35- μ m CMOS technol. *Ren-Chieh Liu, +*, *RFIC 02* 221-224
- Impedance matching; cf. Baluns**
- Impedance matrix**
 comments, with reply, on "General oscillator characterization using linear open-loop S-parameters" (Jun 01 1094-1100). *Cascio, L., +*, *T-MTT Jan 02* 226-228
- interdigital hairpin bandpass filter, design using model of coupled slots. *Deleniv, A.N., +*, *T-MTT Sep 02* 2153-2158
- multilayer conductor, surface impedance, FDTD model. *Thiel, W., +*, *MWSYM 02* 759-762 vol.2
- open structs., freq. parameterization, modal decomp. tech. *Adane, Y., +*, *MWSYM 02* 2017-2020 vol.3
- RF-CMOS, direct param. extraction, non- quasistatic model. *Pengg, F.X., RFIC 02* 355-358
- spatial power combining MMIC array, global coupled EM-elec.-thermal simul. *Batty, W., +*, *MWSYM 02* 2177-2180 vol.3
- Treffitz FEM for comput. EM, TLM method. *Shlepnev, Y.O., T-MTT May 02* 1328-1339
- Inclusions**
 two-phase periodic composite material, particle shape effects on effective permitt., meas. *Whites, K.W., +*, *T-MTT Jul 02* 1723-1729
- Indium compounds**
 AlGaAs/InGaAs/AlGaAs p-HEMT distrib. amp. MMICs, opt. modulator driver appl. *Virk, R.S., +*, *MWSYM 02* 91-95 vol.1
- AlGaAs/InGaAs doped-channel power FETs, low-k BCB bridged proc. *Hsien-Chin Chiu, +*, *MWSYM 02* 521-524 vol.1
- AlGaAs/InGaAs/GaAs pHEMT power amps., Ka-band intercept point behavior. *Merkle, T., +*, *MWSYM 02* 453-456 vol.1
- AlGaAs/InGaAs high lin. power HFETs using low-k BCB bridged and passivated proc. *Hsien-Chin Chiu, +*, *RFIC 02* 411-414
- design of high-speed master-slave D-Type flip-flop in InP DHBT technology. *Kasbari, A.-E., +*, *T-MTT Dec 02* 3064-3069
- GaInP/GaAs HBT, intrinsic base resist., param. extraction algm. *Lenk, F., +*, *MWSYM 02* 725-728 vol.2
- GaInP/GaAs HBT, on-wafer deembedding tech. *Bousnina, S., +*, *T-MTT Feb 02* 420-424
- GaInP/GaAs microwave HBT small-sig. model, direct param.-extraction method. *Bousnina, S., +*, *T-MTT Feb 02* 529-536
- GaInP/GaAs power HBTs, static/dyn. breakdown, meas./modeling. *Heckmann, S., +*, *MWSYM 02* 1001-1004 vol.2
- InGaP/GaAs broadband monolithic HBT power amps. for 3G handset appls. *Jager, H., +*, *MWSYM 02* 1035-1038 vol.2
- InGaP/GaAs HBT, large-sig. modeling, high-current effects charactn. *Shirokov, M.S., +*, *T-MTT Apr 02* 1084-1094
- InGaP/GaAs HBT MMIC lin. broadband power amps., optimum bias conditions. *Iwamoto, M., +*, *MWSYM 02* 901-904 vol.2
- InGaP/GaAs HBT MMIC VCO, Ku band, with bal./differential topologies. *Dong-Hyun Baek, +*, *MWSYM 02* 847-850 vol.2
- InGaP/GaAs HBTs, jn. temp./thermal resist. estim. *Olavsbraten, M., MWSYM 02* 1005-1008 vol.2
- InGaP/GaAs power HBT, electro-thermal large-sig. model, param. extraction. *Hyun-Min Park, +*, *MWSYM 02* 1009-1012 vol.2
- InGaP/InGaAs PHEMT MM-wave MMIC chipset, 60 GHz, wireless access syst. front-end appl. *Mimino, Y., +*, *MWSYM 02* 1721-1724 vol.3
- InGaP PHEMTs for 3.5 GHz W-CDMA appls. *Lan, E., +*, *MWSYM 02* 1039-1042 vol.2
- InP DHBT, noise and Z-param. transforms. *Yong Zhong Xiong, +*, *T-MTT Apr 02* 1109-1113
- InP DHBT technol. high speed master-slave D-type flip-flop. *Kasbari, A.-E., +*, *MWSYM 02* 1057-1060 vol.2
- InP-HBT small-sig. equiv. ccts., improved automatic param. extraction. *Willen, B., +*, *T-MTT Feb 02* 580-583
- InP HBT VCO IC for OC-768 fiber optic commun. appls. *Liyang Zhang, +*, *RFIC 02* 85-88
- InP HEMT and HITD, ultra-low-power VCO. *Cidronali, A., +*, *RFIC 02* 297-300
- InP HEMT DEMUX IC, data and clock distrib., SCFL. *Kano, H., +*, *MWSYM 02* 75-78 vol.1
- InP HEMT W-band monolithic resistive mixer archits. *Barnes, A.R., +*, *MWSYM 02* 1867-1870 vol.3
- InP/InGaAs HPT direct opt. injection-locked oscillator ICs for optoelectronic clock recovery ccts., 10/39 GHz. *Kamitsuna, H., +*, *MWSYM 02* 1699-1702 vol.3
- InP/InGaAs/InP W-band DHBT MMIC power amps. *Yun Wei, +*, *MWSYM 02* 917-920 vol.2
- InP/InGaAs SHBT, self-heating and impact ionization, large-sig. model. *Taeho Kim, +*, *MWSYM 02* 2141-2144 vol.3
- InP-InGaAs single HBT, scalable noise model, broad-band amp. ccts. *Huber, A., +*, *T-MTT Jul 02* 1675-1682
- WDM fiber-radio transm. using InP:Fe cryst.-based wavelength-self-tunable SSB filter. *Vourch, E., +*, *MWSYM 02* 1703-1706 vol.3
- Indoor radio**
 Ka-band 156 Mbps transceiver for WLAN syst. using PTFE/FR-4 laminated MCMs. *Takahashi, K., +*, *MWSYM 02* 787-790 vol.2
- Inductance**
 adjacent coplanar spiral inductors, substr. coupling effects. *Chao, C.-J., +*, *MWSYM 02* 157-160 vol.1
- broadband flip-chip transit. design, locally matching tech. *Chun-Long Wang, +*, *MWSYM 02* 1397-1400 vol.3
- combine-type filters, ANN and EM based models for excitation loops. *Borji, A., +*, *MWSYM 02* 2105-2108 vol.3
- GaAs MESFET digital attenuator MMIC, excess inductance extraction. *Choi, S.C., +*, *MWSYM 02* 2249-2252 vol.3
- RFIC design, package and bonding wire modeling software and appl. *Goto, K., +*, *MWSYM 02* 2109-2112 vol.3
- sq. spiral inductor, inductance formula on grounded substr. by duality and synthetic asymptote. *Tang, W.C., +*, *MWSYM 02* 2069-2072 vol.3
- suspen. resonators for filters, excitation of evanescent cavities using high dielec. const. feedlines. *Snyder, R.V., +*, *MWSYM 02* 1597-1600 vol.3
- Inductors**
 1.9-GHz MMIC receiver front-end with monolithic image-reject filter and VCO. *Rogers, J.W.M., +*, *T-MTT Jan 02* 210-215
- adjacent coplanar spiral inductors, substr. coupling effects. *Chao, C.-J., +*, *MWSYM 02* 157-160 vol.1
- BaSrTiO₃/sapphire refl.-type phase shifter, monolithic, using CPW Lange coupler. *Dongsu Kim, +*, *MWSYM 02* 1471-1474 vol.3
- bond-wire inductor-MOS varactor VCO, 1.8-2.4 GHz tunable. *Svelto, F., +*, *T-MTT Jan 02* 403-407
- C-band oscillator using high-Q inductors embedded in multi-layer organic packaging. *Yoon, S.-W., +*, *MWSYM 02* 703-706 vol.2
- class E power amps., finite DC feed inductor, simplified approach. *Choi, D.K., +*, *MWSYM 02* 1643-1646 vol.3
- CMOS 2.4-GHz/5-GHz LNA, high-resist. ELTRAN SOI-Epi wafers. *Kodate, J., +*, *MWSYM 02* 1419-1422 vol.3
- CMOS Bluetooth transceiver IC with Cu RF pass., fab. and perform. *Doan, M.T., +*, *RFIC 02* 415-418
- CMOS gain controllable LNAs, 8-9 GHz wireless appls., very LV circuitry. *Tsang, T.K.K., +*, *RFIC 02* 205-208
- CMOS quadrature VCO, 2.4 GHz, spiral inductors & differential varactors. *Baoyong Chi, +*, *RFIC 02* 451-454
- CMOS quadrature VCO with symm. spiral inductors and differential varactors, 2.4 GHz. *Baoyong Chi, +*, *MWSYM 02* 561-564 vol.1
- CMOS RFIC, copper interconnects, super compact inductor. *Feng, H., +*, *MWSYM 02* 553-556 vol.1
- CMOS RFICs, EM isolation and coupling characts. for crosstalk suppress. *Adan, A.O., +*, *MWSYM 02* 39-42 vol.1
- Co₈₅Nb₁₂Zr₃ film, ferromag. RF integrated inductor. *Yarnaguchi, M., +*, *MWSYM 02* 197-200 vol.1
- Cu high-Q inductors on CMOS-grade Si substr. with low-k BCB dielec. layer. *Xiao Huo, +*, *MWSYM 02* 513-516 vol.1
- Cu high-Q inductors on std. Si substr. with low-k BCB dielec. layer. *Xiao Huo, +*, *RFIC 02* 403-406

- differentially driven symmetric microstrip inductors, config. and Si RFIC appl. *Danesh, M.*, +, *T-MTT Jan 02* 332-341
- differentially-tuned CMOS LC VCO for 10 Gbit/s clock-and-data-recovery ccts. *Mukherjee, D.*, +, *MWSYM 02* 707-710 vol.2
- High-performance air-gap transmission lines and inductors for millimeter-wave applications. *Jeong, I.*, +, *T-MTT Dec 02* 2850-2855
- high-Q factor spiral inductor topol. based on 3D MMIC technol. *Piernas, B.*, +, *T-MTT Aug 02* 1942-1949
- high-Q inductors in organic substs. for 1-3 GHz wireless appls., design. *Dalmia, S.*, +, *MWSYM 02* 1405-1408 vol.3
- integrated inductors in chip-to-board interconnect layer, fab. using electroplating bonding. *Yeun-Ho Joong*, +, *MWSYM 02* 1409-1412 vol.3
- integrated pass. on PCBs, CAD methodology. *Draxler, P.*, *MWSYM 02* 2097-2100 vol.3
- multilayer organic syst. on package integrated pass., RF-microwave multi-band design solns. *Davis, M.F.*, +, *MWSYM 02* 2217-2220 vol.3
- octagonal inductor, substr. parasitics. *Tatinian, W.*, +, *RFIC 02* 319-322
- on-chip spiral inductor, substr. coupling effects, RFIC. *Chuan-Jane Chao*, +, *RFIC 02* 311-314
- organic wafer-level packaging platform for highly integrated RF transceivers. *Ramachandran, R.*, +, *MWSYM 02* 1401-1404 vol.3
- RFIC, pass. devices. *Coolbaugh, D.*, +, *MWSYM 02* 187-191 vol.1
- RFIC pass. devices develop., VCO simul., cct. perform. *Coolbaugh, D.*, +, *RFIC 02* 341-344
- RFIC, spiral inductor, wideband compact model. *Melendy, D.*, +, *MWSYM 02* 717-720 vol.2
- RFIC, submicron technol., spiral inductor, dummy pattern. *Jae-Hong Chang*, +, *MWSYM 02* 529-532 vol.1
- RF integrated inductors, freq.-depend. compact model. *Sieiro, J.*, +, *T-MTT Jan 02* 384-392
- SiGe BiCMOS MM-wave IC, monolithic inductor. *Dubuc, D.*, +, *MWSYM 02* 193-196 vol.1
- SiGe BiCMOS proc. technol. and impact on RFIC design. *Das, A.*, +, *MWSYM 02* 171-174 vol.1
- SiGe BiCMOS proc. technol., RFIC design, LNA design. *Das, A.*, +, *RFIC 02* 325-328
- Si smart substr., RF pass. integrat. *Dong-Wook Kim*, +, *MWSYM 02* 1561-1564 vol.3
- Si two-port & three-port inductors, freq. depend. losses modeling. *Kamgaing, T.*, +, *RFIC 02* 307-310
- SOI based MMICs for C-band WLAN appls. *Pinel, S.*, +, *MWSYM 02* 1053-1056 vol.2
- spiral inductor, 2D PBG periodic array. *Hsien-Shun Wu*, +, *MWSYM 02* 1087-1090 vol.2
- spiral inductor modeling with eddy-current effect, series resist. predict. *Ban-Leong Ooi*, +, *T-MTT Sep 02* 2202-2206
- spiral inductor resonator filter design and optim. *Gye-An Lee*, +, *MWSYM 02* 1621-1624 vol.3
- spiral inductors embedded on MCM-L organic substs. for syst.-on-package appls. *Lee, S.H.*, +, *MWSYM 02* 2229-2232 vol.3
- spiral inductors for submicron CMOS RFICs, effects of dummy patterns and substr. *Jae-Hong Chang*, +, *RFIC 02* 419-422
- spiral inductors in bulk CMOS, design, 6-layer Cu interconnects. *Kuhn, W.B.*, +, *RFIC 02* 385-388
- spiral inductors in deep-sub- μ m bulk CMOS with Cu interconnects, design considerations. *Kuhn, W.B.*, +, *MWSYM 02* 301-305 vol.1
- spiral inductor, SOI technol. *Kelly, D.*, +, *MWSYM 02* 541-543 vol.1
- spiral inductors on insulating substs., perform. improvements. *Kelly, D.*, +, *RFIC 02* 431-433
- sq. spiral inductor, inductance formula on grounded substr. by duality and synthetic asymptote. *Tang, W.C.*, +, *MWSYM 02* 2069-2072 vol.3
- super compact RFIC inductors in 0.18 μ m CMOS, all-copper interconnects. *Feng, H.*, +, *RFIC 02* 443-446
- surface-mounted RF components, meas. based closed-form modeling. *Naishadham, K.*, +, *T-MTT Oct 02* 2276-2286
- symm. octagonal inductor, substr. parasitics calc. *Tatinian, W.*, +, *MWSYM 02* 165-169 vol.1
- two-port/three-port symmetric inductors on Si, freq. depend. losses modeling. *Kamgaing, T.*, +, *MWSYM 02* 153-156 vol.1
- Industries; cf.** Electronics industry; Food processing industry
- Information networks; cf.** Internet
- Information theory; cf.** Decoding; Error statistics; Filtering theory; Prediction theory
- Infrared imaging**
- fusion plasma diagnostics, THz techs. use. *Deng, B.H.*, +, *MWSYM 02* 1587-1590 vol.3
- human tissue, W-band dielec. props./SAR distrib./thermal response. *Gustrau, F.*, +, *T-MTT Oct 02* 2393-2400
- Inhomogeneous media**
- 2D stratified medium, EM field, num. tech. *Aksun, M.I.*, +, *T-MTT May 02* 1264-1274
- cylindrically stratified media, microwave imaging, anal. method. *Akhtar, M.J.*, +, *MWSYM 02* 2005-2008 vol.3
- EM-wave propag., inhomog. media, split-field/anisotropic medium PML-FDTD implement. *Teixeira, F.L.*, +, *T-MTT Jan 02* 30-35
- planar layered medium, MPIE formulation, Green's fn. *Shuley, N.V.*, +, *T-MTT Sep 02* 2185-2192
- planar RF/microwave ICs, EM model, integral eqn. *Okhmatovskii, V.I.*, +, *MWSYM 02* 1897-1900 vol.3
- PML-like ABCs for layered media transm. line termination, two cell microstrip transm. line. *Lauer, A.*, +, *MWSYM 02* 739-742 vol.2
- transient EM problems in terms of collinear vector pot. *Georgieva, N.K.*, *T-MTT Aug 02* 1950-1959
- Injection locked oscillators**
- coupled-oscillator array, angle-based modulation. *Pogorzelski, R.J.*, *T-MTT Jan 02* 143-149
- CPW-based single-layer injection-locked act. antenna array. *Ip, K.H.Y.*, +, *T-MTT Feb 02* 481-486
- direct optical injection locking of InP/InGaAs HPT oscillator ICs for microwave photonics and 40-Gbit/s-class optoelectronic clock recovery. *Kamitsuna, H.*, +, *T-MTT Dec 02* 3002-3008
- InP/InGaAs HPT direct opt. injection-locked oscillator ICs for optoelectronic clock recovery ccts., 10/39 GHz. *Kamitsuna, H.*, +, *MWSYM 02* 1699-1702 vol.3
- microwave feedback oscillator using double-sided MIC tech. *Kawahata, K.I.*, +, *MWSYM 02* 699-702 vol.2
- power-combining grid oscillator arrays, freq. stabilization. *Wenzhang Wang*, +, *T-MTT May 02* 1400-1407
- Instrumentation; cf.** Computerized instrumentation; Instruments; Signal processing equipment
- Instruments**
- enhanced on-wafer time-domain waveform measurement through removal of interconnect dispersion and measurement instrument jitter. *Scott, J.B.*, +, *T-MTT Dec 02* 3022-3028
- Instruments; cf.** Astronomical instruments; Clocks; Sensors
- Integral equations**
- arbitrarily terminated nonuniform transm. lines, synthesis, pot. fn., Cauchy data. *Xiao, G.*, +, *T-MTT Aug 02* 2025-2028
- axisymmetric composite microwave cavities, reson. freq. and Q factor. *Kishk, A.A.*, +, *T-MTT Oct 02* 2287-2293
- coplanar ferroelec. thin-film devices, anisotropic permitt./atten. from propag. constns., full-wave Green's fn. solver. *Krowne, C.M.*, +, *T-MTT Feb 02* 537-548
- EM pulse transient interact. with air layer in dielec. medium using wavelet-based implicit TDIE formulation. *Shifman, Y.*, +, *T-MTT Aug 02* 2018-2022
- ferrite-loaded microstrip lines/slot lines, leaky forward vol. MSW propag. *Marques, R.*, +, *T-MTT Aug 02* 1935-1941
- first higher order microstrip mode, charact. impedance and propag. in freq. and time domain. *Shyue-Dar Chen*, +, *T-MTT May 02* 1370-1379
- line-integral formulation of the hybrid MM/FEM tech., arbitrary cross-sect. waveguides. *Crino, V.*, +, *MWSYM 02* 2033-2036 vol.3
- microstrip single-layer and multilayer struct., closed-form Green's fns. *Yuehe Ge*, +, *T-MTT Jun 02* 1556-1560
- mode-matching tech., line-integral formulation. *Figlia, G.*, +, *T-MTT Feb 02* 578-580
- multilayered PC transm. lines, leakage anal., discrete complex-images tech. *Bernal, J.*, +, *T-MTT Aug 02* 1895-1900
- PCB, RF multilayer layout, EM coupling, full-wave model. *Abdul-Gaffoor, M.R.*, +, *T-MTT Jun 02* 1445-1457
- planar layered medium, MPIE formulation, Green's fn. *Shuley, N.V.*, +, *T-MTT Sep 02* 2185-2192
- planar RF/microwave ICs, EM model, integral eqn. *Okhmatovskii, V.I.*, +, *MWSYM 02* 1897-1900 vol.3
- rect. dielec. resonator in MIC environ., reson. modes simul. *Yaxun Liu*, +, *MWSYM 02* 1901-1904 vol.3
- rect. waveguide filters, integral eqn./boundary integral-reson. mode expansion method anal. *Boria, V.E.*, +, *MWSYM 02* 393-396 vol.1
- UHF microstrip amp., radiation, spectral-domain dyadic Green's fn., full-wave method. *Tzzy-Sheng Horng*, +, *T-MTT Aug 02* 2005-2010
- waveguide modal coupling coeffs. eval. by contour integrals. *Bozzi, M.*, +, *T-MTT Jul 02* 1853-1855
- Integral equations; cf.** Boundary integral equations; Electric field integral equations; Magnetic field integral equations
- Integrated circuit bonding**
- CMOS RFIC/MMIC, bonding pad, depletion-insulation struct. *Sang Lam*, +, *MWSYM 02* 677-680 vol.2
- low-cost flip-chip alternatives for MM wave appls. *Heyen, J.*, +, *MWSYM 02* 2205-2208 vol.3
- Integrated circuit design**
- 900-MHz RF receiver with HBM ESD robustness, ESD protection design. *Ming-Dou Ker*, +, *MWSYM 02* 537-540 vol.1
- analog phase shifter using two qtr.-wave-length transm. lines. *Hayashi, H.*, +, *T-MTT Jan 02* 150-154
- BiCMOS ICs, high perform. in 0.18 μ m proc. for wireless appls. *Peihua Ye*, +, *MWSYM 02* 175-178 vol.1

CMOS act. microwave cct. design, small-sig. substr. resist. effect modeling. *Yo-Sheng Lin*, +, *RFIC* 02 315-318

CMOS PLL-based freq. synthesizer for WLAN appls. *Xiaomin Yang*, +, *RFIC* 02 479-482

CMOS quadrature oscillator, 900 MHz, low phase noise design. *Cabanillas, J.*, +, *RFIC* 02 63-66

CMOS RF analog cct., param. extraction. *Pengg, F.X.*, *MWSYM* 02 271-274 vol.1

CMOS RFIC CAD, gate capacitance models smoothing. *Dobes, J.*, *RFIC* 02 495-498

CMOS RFIC/microwave IC CAD, smoothing gate capacitance models. *Dobes, J.*, *MWSYM* 02 605-608 vol.1

CMOS RF mixer, soft breakdown/hot-carrier reliab., redesign. *Qiang Li*, +, *MWSYM* 02 509-512 vol.1

concurrent multiband LNAs, theory, design, and radio receiver appl. *Hashemi, H.*, +, *T-MTT Jan* 02 288-301

contactless probing of HF elec. sigs. using SPM. *Merlin, W.*, *MWSYM* 02 1493-1496 vol.3

differentially-tuned VCO in SOI CMOS, 1 V, 3.8-5.7 GHz, design. *Fong, N.*, +, *RFIC* 02 75-78

field-extracted lumped-element models of CPS ccts. and discontinuities, RF design. *Lei Zhu*, +, *T-MTT Apr* 02 1207-1215

GaAs MESFET distributed baseband ICs using artificial-line-division tech. and 3D transm. lines. *Kimura, S.*, +, *T-MTT Jun* 02 1603-1608

GaAs MESFET modified cascode LNA, dual common source transistors. *Sungmin Ock*, +, *MWSYM* 02 1423-1426 vol.3

GaAs p-HEMT MMIC 8 GHz transient sig. digitizer, charactn. *Ghis, A.*, +, *MWSYM* 02 1673-1676 vol.3

GaAs quadruple subharmonic mixer MMIC, 94 GHz, design and fab. *Kanaya, K.*, +, *MWSYM* 02 1249-1252 vol.2

GaN HEMT MMIC power amp. design appls. *Pribble, W.L.*, +, *MWSYM* 02 1819-1822 vol.3

GSM/PCN dual band variable gain low noise RF down conversion mixer. *Bonkee Kim*, +, *RFIC* 02 137-140

high-speed ccts., parallel-plate noise suppression, metallic EM band-gap struct. *Abhari, R.*, +, *MWSYM* 02 493-496 vol.1

InGaP/GaAs HBT MMIC lin. broadband power amps., optimum bias conditions. *Iwamoto, M.*, +, *MWSYM* 02 901-904 vol.2

InGaP/GaAs HBT MMIC VCO, Ku band, with bal./differential topologies. *Dong-Hyun Baek*, +, *MWSYM* 02 847-850 vol.2

LDMOS HV RFIC proc., appl. to wideband power amp. IC design. *Pla, J.A.*, +, *MWSYM* 02 263-266 vol.1

microwave planar act. filters in GaAs and SiGe technols. *Bazzi, H.*, +, *MWSYM* 02 421-424 vol.1

MOSFET model for RFIC design valid in all regions of operation. *Enz, C.*, *T-MTT Jan* 02 342-359

p-i-n/HEMT and MSM/HEMT monolithic photoreceivers, high-speed, comparison. *Fay, P.*, +, *T-MTT Jan* 02 62-67

RF down-conversion mixer, soft breakdown and hot carrier reliab., redesign strategies. *Qiang Li*, +, *RFIC* 02 399-402

RFIC design, package and bonding wire modeling software and appl. *Goto, K.*, +, *MWSYM* 02 2109-2112 vol.3

RFIC, pass. elements, ASITIC model. *Niknejad, A.M.*, *RFIC* 02 303-306

RF-SoC technol., expectations/required conditions. *Matsuzawa, A.*, *T-MTT Jan* 02 245-253

S-band broadband monolithic class-E power amp., design and fab. *Tayrani, R.*, *RFIC* 02 53-56

SiC MESFET MMIC power amp. design appls. *Pribble, W.L.*, +, *MWSYM* 02 1819-1822 vol.3

SiGe 2.4-GHz HBT power amp. with high-Q LTCC harmonic suppression filter. *Raghavan, A.*, +, *MWSYM* 02 1019-1022 vol.2

SiGe BiCMOS proc. technol. and impact on RFIC design. *Das, A.*, +, *MWSYM* 02 171-174 vol.1

SiGe BiCMOS proc. technol., RFIC design, LNA design. *Das, A.*, +, *RFIC* 02 325-328

SiGe BiCMOS quadrature LC VCO, 1.8 V 6/9 GHz switchable dual-band design. *Hyunchol Shin*, +, *RFIC* 02 71-74

SiGe bipolar monolithic integrated mixer, 40 GHz, design. *Hackl, S.*, +, *MWSYM* 02 1241-1244 vol.2

SiGe HBT cascode LNAs, 2-GHz, geom./bias current optim. *Qingqing Liang*, +, *MWSYM* 02 517-520 vol.1

SiGe HBT cascode LNAs, geom. and bias current optim. *Qingqing Liang*, +, *RFIC* 02 407-410

Si RF integrat., develop. of technols. and design techs. *Sevenhans, J.*, +, *T-MTT Jan* 02 235-244

SOPs, microwave perform. improvement, design techs. *Jessie, D.*, +, *MWSYM* 02 297-300 vol.1

spiral inductors in deep-sub- m bulk CMOS with Cu interconnects, design considerations. *Kuhn, W.B.*, +, *MWSYM* 02 301-305 vol.1

telecom front-ends, syst.-level architectural design, modeling and anal. *Gielen, G.G.E.*, *T-MTT Jan* 02 360-368

uniplanar MICs, monolithic and hybrid, finite-ground CPW reactive series-connected elements. *Lei Zhu*, +, *T-MTT Feb* 02 549-557

Integrated circuit design; cf. Integrated circuit layout

Integrated circuit interconnections

broadband flip-chip transit. design, locally matching tech. *Chun-Long Wang*, +, *MWSYM* 02 1397-1400 vol.3

CMOS IC, isolation pockets, full wave anal., EM simul. *Bajon, D.*, +, *MWSYM* 02 987-990 vol.2

CMOS interconnections anal. combining LE-FDTD method and SOC procedure. *Alimenti, F.*, +, *MWSYM* 02 879-881 vol.2

CMOS RFIC, copper interconnects, super compact inductor. *Feng, H.*, +, *MWSYM* 02 553-556 vol.1

high-speed ccts., parallel-plate noise suppression, metallic EM band-gap struct. *Abhari, R.*, +, *MWSYM* 02 493-496 vol.1

lossy nonuniform transm. lines, modeling by using differential quadrature methods. *Qinwei Xu*, +, *T-MTT Oct* 02 2233-2246

low-cost flip-chip alternatives for MM wave appls. *Heyen, J.*, +, *MWSYM* 02 2205-2208 vol.3

MIS interconnect, wave propag., device-level simul. *Gaofeng Wang*, +, *T-MTT Apr* 02 1127-1136

mixed-sig. IC interconnects, EM modeling, num. stable methodology. *Rong, A.*, +, *MWSYM* 02 1893-1896 vol.3

packaging structs., vert. via coupling, differential signaling. *Houfei Chen*, +, *MWSYM* 02 983-986 vol.2

RF-interconnect for multi-Gb/s digital interface based on 10 GHz RF-modulation in 0.18 m CMOS. *Hyunchol Shin*, +, *MWSYM* 02 477-480 vol.1

Si, porous CPW interconnects, porosity effects. *Itotia, I.K.*, +, *MWSYM* 02 681-684 vol.2

spiral inductors in bulk CMOS, design, 6-layer Cu interconnects. *Kuhn, W.B.*, +, *RFIC* 02 385-388

spiral inductors in deep-sub- m bulk CMOS with Cu interconnects, design considerations. *Kuhn, W.B.*, +, *MWSYM* 02 301-305 vol.1

super compact RFIC inductors in 0.18 m CMOS, all-copper interconnects. *Feng, H.*, +, *RFIC* 02 443-446

W-band flip-chip interconnects on thin-film substr. *Schmuckle, F.J.*, +, *MWSYM* 02 1393-1396 vol.3

Integrated circuit layout

CMOS RFICs, EM isolation and coupling characts. for crosstalk suppress. *Adan, A.O.*, +, *MWSYM* 02 39-42 vol.1

InP DHBT technol. high speed master-slave D-type flip-flop. *Kasbari, A.-E.*, +, *MWSYM* 02 1057-1060 vol.2

RF integrated inductors, freq.-depend. compact model. *Sieiro, J.*, +, *T-MTT Jan* 02 384-392

Si bipolar power amp. for 1.8 GHz appls., high perform. *Carrara, F.*, +, *MWSYM* 02 1015-1018 vol.2

Si/SiGe HBT receiver front-end, ISM-band, relax. emitter scaling, consumer-oriented systs., Ka band. *Sonmez, E.*, +, *RFIC* 02 159-162

Integrated circuit manufacture

SiGe COM2 enhanced graded base modular BiCMOS technol. for high speed appls. *Ivanov, T.*, +, *MWSYM* 02 183-186 vol.1

Integrated circuit manufacture; cf. Integrated circuit yield

Integrated circuit measurement

AlGaAs/InGaAs/GaAs pHEMT power amps., Ka-band intercept point behavior. *Merkle, T.*, +, *MWSYM* 02 453-456 vol.1

GaAs p-HEMT MMIC 8 GHz transient sig. digitizer, charactn. *Ghis, A.*, +, *MWSYM* 02 1673-1676 vol.3

GaAs PHEMT MMIC power amps., 1 W/2 W, for commercial K/Ka-band appls. *Schellenberg, J.M.*, *MWSYM* 02 445-448 vol.1

InGaP/GaAs HBT MMIC lin. broadband power amps., optimum bias conditions. *Iwamoto, M.*, +, *MWSYM* 02 901-904 vol.2

InGaP/GaAs HBT MMIC VCO, Ku band, with bal./differential topologies. *Dong-Hyun Baek*, +, *MWSYM* 02 847-850 vol.2

p-i-n/HEMT and MSM/HEMT monolithic photoreceivers, high-speed, comparison. *Fay, P.*, +, *T-MTT Jan* 02 62-67

Si bipolar power amp. for 1.8 GHz appls., high perform. *Carrara, F.*, +, *MWSYM* 02 1015-1018 vol.2

SiGe COM2 enhanced graded base modular BiCMOS technol. for high speed appls. *Ivanov, T.*, +, *MWSYM* 02 183-186 vol.1

SiGe high-speed bipolar ICs, weak substr. coupling meas./simul. *Steiner, W.*, +, *T-MTT Jul* 02 1705-1713

SOPs, microwave perform. improvement, design techs. *Jessie, D.*, +, *MWSYM* 02 297-300 vol.1

spiral inductors in deep-sub- m bulk CMOS with Cu interconnects, design considerations. *Kuhn, W.B.*, +, *MWSYM* 02 301-305 vol.1

Integrated circuit metallization

Bluetooth tranceiver IC, Cu RF pass. components. *My The Doan*, +, *MWSYM* 02 525-528 vol.1

CMOS microstrip transm. line struct., eddy current suppression. *Peter, M.*, +, *MWSYM* 02 2001-2004 vol.3

spiral inductors in bulk CMOS, design, 6-layer Cu interconnects. *Kuhn, W.B.*, +, *RFIC* 02 385-388

spiral inductors in deep-sub- m bulk CMOS with Cu interconnects, design considerations. *Kuhn, W.B.*, +, *MWSYM* 02 301-305 vol.1

- spiral inductors on insulating substrs., perform. improvements. *Kelly, D.*, +, *RFIC 02 431-433*
- super compact RFIC inductors in 0.18 μ m CMOS, all-copper interconnects. *Feng, H.*, +, *RFIC 02 443-446*
- Integrated circuit modeling**
- adjacent coplanar spiral inductors, substr. coupling effects. *Chao, C.-J.*, +, *MWSYM 02 157-160 vol.1*
- CMOS act. microwave cct. design, small-sig. substr. resist. effect modeling. *Yo-Sheng Lin*, +, *RFIC 02 315-318*
- CMOS IC, isolation pockets, full wave anal., EM simul. *Bajon, D.*, +, *MWSYM 02 987-990 vol.2*
- CMOS interconnections anal. combining LE-FDTD method and SOC procedure. *Alimenti, F.*, +, *MWSYM 02 879-881 vol.2*
- CMOS RF analog cct., param. extraction. *Pengg, F.X.*, *MWSYM 02 271-274 vol.1*
- CMOS RFIC CAD, gate capacitance models smoothing. *Dobes, J.*, *RFIC 02 495-498*
- CMOS RFIC, lin. anal., transconductance & output conductance. *Sanghoon Kang*, +, *RFIC 02 363-366*
- CMOS RFIC/microwave IC CAD, smoothing gate capacitance models. *Dobes, J.*, *MWSYM 02 605-608 vol.1*
- CMOS RFICs, ESD protection, parasitic effects. *Ke Gong*, +, *T-MTT Jan 02 393-402*
- CMOS RF mixer, soft breakdown/hot-carrier reliab., redesign. *Qiang Li*, +, *MWSYM 02 509-512 vol.1*
- CMOS VCO RF perform., hot carrier & soft-breakdown effects. *Enjun Xiao*, +, *RFIC 02 459-462*
- covered microstrip line, voltage source radiation, freq. depend. charact. *Langston, W.L.*, +, *MWSYM 02 949-952 vol.2*
- GaAs MESFET MMIC mixers, HIPERLAN appl., low distortion. *Ellinger, F.*, +, *T-MTT Jan 02 178-182*
- LDMOS HV RFIC proc., appl. to wideband power amp. IC design. *Pla, J.A.*, +, *MWSYM 02 263-266 vol.1*
- low cost RF transceiver ICs, pass. elements modeling, ASITIC, lumped-element equiv. cct. models. *Niknejad, A.M.*, *MWSYM 02 149-152 vol.1*
- microwave IC modeling using concurrent complementary operators method. *Lan, K.*, +, *MWSYM 02 887-890 vol.2*
- mixed-sig. IC interconnects, EM modeling, num. stable methodology. *Rong, A.*, +, *MWSYM 02 1893-1896 vol.3*
- MMIC anal. problems, method of moments simul., large dense matrices, iter. soln. *Prakash, V.V.S.*, +, *MWSYM 02 2041-2044 vol.3*
- MOSFET model for RFIC design valid in all regions of operation. *Enz, C.*, *T-MTT Jan 02 342-359*
- multiconductor transm. line, transient simul., structural aspects of model, digital ccts. *Condon, M.*, *MWSYM 02 2065-2068 vol.3*
- on-chip spiral inductor, substr. coupling effects, RFIC. *Chuan-Jane Chao*, +, *RFIC 02 311-314*
- packaging structs., vert. via coupling, differential signaling. *Houfei Chen*, +, *MWSYM 02 983-986 vol.2*
- power amps., nonlin. response modeling, augmented behavioral charactn. *Asbeck, P.M.*, +, *MWSYM 02 135-138 vol.1*
- RF-CMOS, direct param. extraction, non- quasistatic model. *Pengg, F.X.*, *RFIC 02 355-358*
- RF down-conversion mixer, soft breakdown and hot carrier reliab., redesign strategies. *Qiang Li*, +, *RFIC 02 399-402*
- RFIC design, package and bonding wire modeling software and appl. *Goto, K.*, +, *MWSYM 02 2109-2112 vol.3*
- RFIC, pass. elements, ASITIC model. *Niknejad, A.M.*, *RFIC 02 303-306*
- RFIC, spiral inductor, wideband compact model. *Melendy, D.*, +, *MWSYM 02 717-720 vol.2*
- RF integrated inductors, freq.-depend. compact model. *Sieiro, J.*, +, *T-MTT Jan 02 384-392*
- RF power amps. with memory effects, behavioral model, two-tone meas. *Hyunchul Ku*, +, *MWSYM 02 139-142 vol.1*
- Si LDMOS HV RFIC amp. design, robust model extraction. *Pla, J.A.*, +, *RFIC 02 347-350*
- Si two-port & three-port inductors, freq. depend. losses modeling. *Kamgaing, T.*, +, *RFIC 02 307-310*
- spiral inductor modeling with eddy-current effect, series resist. predict. *Ban-Leong Ooi*, +, *T-MTT Sep 02 2202-2206*
- substr.-superstrate dielec. waveguide, continuous spectrum, approx. anal. eval. *Baccarelli, P.*, +, *MWSYM 02 953-956 vol.2*
- two-port/three-port symmetric inductors on Si, freq. depend. losses modeling. *Kamgaing, T.*, +, *MWSYM 02 153-156 vol.1*
- uniplanar MICs, monolithic and hybrid, finite-ground CPW reactive series-connected elements. *Lei Zhu*, +, *T-MTT Feb 02 549-557*
- WLAN 5.8-GHz two-stage high-lin. LV LNA, 0.35- μ m CMOS technol. *Ren-Chieh Liu*, +, *RFIC 02 221-224*
- Integrated circuit noise**
- 900-MHz RF receiver with HBM ESD robustness, ESD protection design. *Ming-Dou Ker*, +, *MWSYM 02 537-540 vol.1*
- adjacent coplanar spiral inductors, substr. coupling effects. *Chao, C.-J.*, +, *MWSYM 02 157-160 vol.1*
- broadband RF front-end for direct conversion transceivers, 0.9-2.6 GHz, low-noise variable gain amp. *Kawashima, M.*, +, *MWSYM 02 927-930 vol.2*
- CMOS 2.4-GHz/5-GHz LNA, high-resist. ELTRAN SOI-Epi wafers. *Kodate, J.*, +, *MWSYM 02 1419-1422 vol.3*
- CMOS dyn.-loading regenerative freq. doubler. *Wong, J.M.C.*, +, *MWSYM 02 573-576 vol.1*
- CMOS image-reject mixer, Bluetooth receiver. *Khannur, P.B.*, +, *MWSYM 02 549-552 vol.1*
- CMOS LC VCO, WLAN appls. *Bhattacharjee, J.*, +, *MWSYM 02 585-588 vol.1*
- CMOS PLL-based freq. synthesizer for WLAN appls. *Xiaomin Yang*, +, *RFIC 02 479-482*
- CMOS quadrature oscillator, 900 MHz, low phase noise design. *Cabanillas, J.*, +, *RFIC 02 63-66*
- CMOS RFICs, ESD protection, parasitic effects. *Ke Gong*, +, *T-MTT Jan 02 393-402*
- CMOS RF mixer, soft breakdown/hot-carrier reliab., redesign. *Qiang Li*, +, *MWSYM 02 509-512 vol.1*
- CMOS VCO, hot carriers and soft breakdown. *Xiao, E.*, +, *MWSYM 02 569-572 vol.1*
- CMOS VCO RF perform., hot carrier & soft-breakdown effects. *Enjun Xiao*, +, *RFIC 02 459-462*
- concurrent multiband LNAs, theory, design, and radio receiver appl. *Hashemi, H.*, +, *T-MTT Jan 02 288-301*
- DCS 1800 base station receiver integrated in 0.25 μ m CMOS. *Boric-Lubecke, O.*, +, *MWSYM 02 1049-1052 vol.2*
- differentially-tuned CMOS LC VCO for 10 Gbit/s clock-and-data-recovery ccts. *Mukherjee, D.*, +, *MWSYM 02 707-710 vol.2*
- differentially-tuned VCO in SOI CMOS, 1 V, 3.8-5.7 GHz, design. *Fong, N.*, +, *RFIC 02 75-78*
- GaAs 2-bit ADC ICs for radio astron. appls. *Okiura, M.*, +, *MWSYM 02 485-488 vol.1*
- GaAs-HBT MMIC push-push oscillator, 38 GHz, fixed freq. and VCO versions. *Schott, A.*, +, *MWSYM 02 839-842 vol.2*
- GaAs HBT operating as integrated V- to W-band Gunn oscillator. *Rudolph, M.*, +, *MWSYM 02 1737-1740 vol.3*
- GaAs MESFET modified cascode LNA, dual common source transistors. *Sungmin Ock*, +, *MWSYM 02 1423-1426 vol.3*
- GaAs PHEMT LNA and VCO 3D MMICs for V-band single-chip transceiver. *Nishikawa, K.*, +, *MWSYM 02 1717-1720 vol.3*
- GSM/PCN dual band variable gain low noise RF down conversion mixer. *Bonkee Kim*, +, *RFIC 02 137-140*
- high-speed ccts., parallel-plate noise suppression, metallic EM band-gap struct. *Abhari, R.*, +, *MWSYM 02 493-496 vol.1*
- InGaP/GaAs HBT MMIC VCO, Ku band, with bal./differential topologies. *Dong-Hyun Baek*, +, *MWSYM 02 847-850 vol.2*
- Ku-band MMIC LNA with bias cct. for temp. depend. and proc. var. compensation. *Yamanaka, K.*, +, *MWSYM 02 1427-1430 vol.3*
- LC VCO, low power cct., WLAN appl. *Bhattachajee, J.*, +, *RFIC 02 475-478*
- LNA, technol./perform. evol. *Whelehan, J.J.*, *T-MTT Mar 02 806-813*
- microwave feedback oscillator using double-sided MIC tech. *Kawahata, K.I.*, +, *MWSYM 02 699-702 vol.2*
- MOSFET model for RFIC design valid in all regions of operation. *Enz, C.*, *T-MTT Jan 02 342-359*
- multi-layer transformer balun for Si RFIC, LNA appl. *Yang, H.Y.D.*, +, *RFIC 02 491-494*
- NMOS and PMOS transistors, 1/f noise and VCO design implications. *O, K.K.*, +, *RFIC 02 59-62*
- on-chip spiral inductor, substr. coupling effects, RFIC. *Chuan-Jane Chao*, +, *RFIC 02 311-314*
- PHEMT LNA, enhancement mode, lin. control, logic controllable bypass-mitigated switch. *Kumar, S.*, +, *RFIC 02 213-216*
- p-i-n/HEMT and MSM/HEMT monolithic photoreceivers, high-speed, comparison. *Fay, P.*, +, *T-MTT Jan 02 62-67*
- polysilicon differential multi-finger MEMS tunable capacitors for RFIC. *Ionis, G.V.*, +, *MWSYM 02 345-348 vol.1*
- RF-interconnect for multi-Gb/s digital interface based on 10 GHz RF-modulation in 0.18 μ m CMOS. *Hyunchol Shin*, +, *MWSYM 02 477-480 vol.1*
- Si BiCMOS receivers for normal and micro GSM900 and DCS 1800 base stations. *Gould, P.*, +, *T-MTT Jan 02 369-376*
- SiGe HBT cascode LNAs, 2-GHz, geom./bias current optim. *Qingqing Liang*, +, *MWSYM 02 517-520 vol.1*
- SiGe HBT cascode LNAs, geom. and bias current optim. *Qingqing Liang*, +, *RFIC 02 407-410*
- SiGe HBT fully-integrated coupled VCOs, phase noise. *Jacobsson, H.*, +, *MWSYM 02 577-580 vol.1*
- SiGe HBT fully-integrated coupled VCOs, phase noise. *Jacobsson, H.*, +, *RFIC 02 467-470*
- SiGe quadrature VCO, GSM/DCS-PCS appls. *Cordeau, D.*, +, *MWSYM 02 565-568 vol.1*

- SOI based MMICs for C-band WLAN appls. *Pinel, S.*, +, *MWSYM 02 1053-1056 vol.2*
- SOI CMOS tuned low-noise amp., 23.8 GHz, three-stage design. *Floyd, B.A.*, +, *T-MTT Sep 02 2193-2196*
- wideband high dyn. range receiver MMIC for EW appls. *Bannister, D.C.*, +, *RFIC 02 147-149*
- Integrated circuit packaging**
 conductor-backed coplanar ccts., use of vias in CPW ground planes. *Haydl, W.H.*, *T-MTT Jun 02 1571-1577*
- GaAs PHEMT MMIC power amp., 15 W, 3G wireless transmitter appls. *Staudinger, J.*, +, *MWSYM 02 617-620 vol.2*
- Ku-band MMICs in low-cost SMT compatible packages. *Huang, H.C.*, +, *MWSYM 02 27-30 vol.1*
- LTCC integrated tri-band direct conversion receiver front-end module. *Lucero, R.*, +, *MWSYM 02 1545-1548 vol.3*
- MSM5100 cdma2000+AMPS+gpsOne+Bluetooth multimode ASIC, 3G handset. *Butler, B.K.*, +, *RFIC 02 186A-186F*
- organic wafer-level packaging platform for highly integrated RF transceivers. *Ramachandran, R.*, +, *MWSYM 02 1401-1404 vol.3*
- PHEMT MMIC Ku-band amps., SMT packages. *Huang, H.C.*, +, *RFIC 02 281-284*
- RFIC design, package and bonding wire modeling software and appl. *Goto, K.*, +, *MWSYM 02 2109-2112 vol.3*
- RF MEMS & Si micromachined ccts., state-of-the-art. *Katehi, L.P.B.*, +, *T-MTT Mar 02 858-866*
- RF-SoC technol., expectations/required conditions. *Matsuzawa, A.*, *T-MTT Jan 02 245-253*
- single-chip 94 GHz FMCW radar module for commercial sens. appls. *Tessmann, A.*, +, *MWSYM 02 1851-1854 vol.3*
- SOP plastic leaded package design, improved microwave perform. *Jessie, D.*, +, *RFIC 02 381-384*
- SOPs, microwave perform. improvement, design techs. *Jessie, D.*, +, *MWSYM 02 297-300 vol.1*
- vert. via coupling, differential signaling. *Houfei Chen*, +, *MWSYM 02 983-986 vol.2*
- Integrated circuit packaging; cf.** Chip scale packaging
- Integrated circuit reliability**
 CMOS RF mixer, soft breakdown/hot-carrier reliab., redesign. *Qiang Li*, +, *MWSYM 02 509-512 vol.1*
- microwave syst. DSP, programmability/flexibility. *Asbeck, P.*, +, *T-MTT Mar 02 900-909*
- RF down-conversion mixer, soft breakdown and hot carrier reliab., redesign strategies. *Qiang Li*, +, *RFIC 02 399-402*
- Integrated circuits**
 2002 IEEE Radio Frequency Integrated Circuit (RFIC) Symposium. *Lloyd, S.*, *T-MTT Nov 02 2421*
- 2002 IEEE Radio Frequency Integrated Circuit (RFIC) Symposium (special issue). *T-MTT Nov 02 2421-2479*
- silicon-based RF and microwave integrated circuits (special issue). *T-MTT Jan 02 233-410*
- silicon-based RF and microwave integrated circuits (special issue intro.). *Hajimiri, A.*, +, *T-MTT Jan 02 233-234*
- Integrated circuits; cf.** Digital integrated circuits; High-speed integrated circuits; Hybrid integrated circuits; Integrated optoelectronics; Microwave integrated circuits; Millimeter wave integrated circuits; Monolithic integrated circuits; Power integrated circuits; Thick film circuits; Thin film circuits; UHF integrated circuits
- Integrated circuit technology**
 CMOS Bluetooth transceiver IC with Cu RF pass., fab. and perform. *Doan, M.T.*, +, *RFIC 02 415-418*
- Cu high-Q inductors on std. Si substr. with low-k BCB dielec. layer. *Xiao Huo*, +, *RFIC 02 403-406*
- short channel LDMOS technol., BiCMOS compatible for MV RF and power appls. *Lirwin, A.*, +, *MWSYM 02 35-38 vol.1*
- SiGe BiCMOS proc. for wireless appls., 0.18 μ m, mixed sig. ccts. *Peihua Ye*, +, *RFIC 02 329-332*
- SiGe BiCMOS proc. technol. and impact on RFIC design. *Das, A.*, +, *MWSYM 02 171-174 vol.1*
- SiGe COM2 enhanced graded base BiCMOS technol., high speed appls. *Ivanov, T.*, +, *RFIC 02 337-340*
- Si RF integrat., develop. of technols. and design techs. *Sevenhans, J.*, +, *T-MTT Jan 02 235-244*
- X-band microstrip bandpass filter using photoimageable thick-film materials. *Ng, C.Y.*, +, *MWSYM 02 2209-2212 vol.3*
- Integrated circuit technology; cf.** Integrated circuit bonding; Integrated circuit interconnections; Integrated circuit measurement; Integrated circuit metallization; Integrated circuit packaging; Isolation technology
- Integrated circuit testing**
 BiCMOS ICs, high perform. in 0.18 μ m proc. for wireless appls. *Peihua Ye*, +, *MWSYM 02 175-178 vol.1*
- contactless probing of HF elec. sigs. using SPM. *Merlin, W.*, *MWSYM 02 1493-1496 vol.3*
- digital ICs, 40 Gb, time-domain waveform meas., cable/connector dispersion removal. *Scott, J.*, +, *MWSYM 02 1669-1672 vol.3*
- NWA based on photonic techs. and act. photonic probes for on-wafer meas. *Nagatsuma, T.*, +, *MWSYM 02 1497-1500 vol.3*
- picosecond imaging cct. anal. of ULSI. *P. Mc Manus, M.K.*, +, *MWSYM 02 1505-1508 vol.3*
- RF power MOS, single chip technol. *Heng-Ming Hsu*, +, *MWSYM 02 1027-1030 vol.2*
- Integrated circuit yield**
 BiCMOS ICs, high perform. in 0.18 μ m proc. for wireless appls. *Peihua Ye*, +, *MWSYM 02 175-178 vol.1*
- optimal parameter extraction and uncertainty estimation in intrinsic FET small-signal models. *Fager, C.*, +, *T-MTT Dec 02 2797-2803*
- SiGe BiCMOS proc. for wireless appls., 0.18 μ m, mixed sig. ccts. *Peihua Ye*, +, *RFIC 02 329-332*
- Integrated logic circuits; cf.** Bipolar logic circuits; Field effect logic circuits
- Integrated optics**
 2N beams heterodyne opt. beamforming archit. based on NxN opt. Butler matrices. *Madrid, D.*, +, *MWSYM 02 1945-1948 vol.3*
- opt. mixing of antenna sigs. in WDM systs. *Cabon, B.*, +, *MWSYM 02 1953-1956 vol.3*
- photonic true-time delay beamformer for broadband wireless access networks. *Vidal, B.*, +, *MWSYM 02 1949-1952 vol.3*
- SiO₂/Si₃N₄ integrated-optics waveguides on Si substrs., design and fab. *Bulla, D.A.P.*, +, *T-MTT Jan 02 9-12*
- Integrated optoelectronics**
 front-end CMOS chipset for 10 Gbit/s opt. commun. *Petersen, A.K.*, +, *RFIC 02 93-96*
- p-i-n/HEMT and MSM/HEMT monolithic photoreceivers, high-speed, comparison. *Fay, P.*, +, *T-MTT Jan 02 62-67*
- Integrated voice/data communication**
 Bluetooth 6.5-mW receiver front-end in 0.18- μ m CMOS. *Beffa, F.*, +, *RFIC 02 391-394*
- Bluetooth low-IF receiver front-end, CMOS chip. *Beffa, F.*, +, *MWSYM 02 501-504 vol.1*
- Integration**
 charged plate, capacitance, MoM matrix elements. *Jen-Tsai Kuo*, +, *T-MTT May 02 1435-1436*
- Intelligent sensors**
 integrated microwave sensors for cavity-length measurement in machine engineering. *Megej, A.*, +, *T-MTT Dec 02 3070-3076*
- Interconnections**
 integrated inductors in chip-to-board interconnect layer, fab. using electroplating bonding. *Yeun-Ho Joung*, +, *MWSYM 02 1409-1412 vol.3*
- optoelectronic array packaging, micromachined partially shielded microstrip interconnect. *Banerjee, S.R.*, +, *MWSYM 02 1565-1568 vol.3*
- surface-mounted RF components, meas. based closed-form modeling. *Naishadham, K.*, +, *T-MTT Oct 02 2276-2286*
- TLM-SPICE interconnection framework for coupled field and circuit analysis in time domain. *So, P.P.M.*, +, *T-MTT Dec 02 2728-2733*
- W-band micromachined cct. power combining/dividing networks. *Herrick, K.J.*, +, *T-MTT Jun 02 1647-1651*
- Interconnections; cf.** Integrated circuit interconnections
- Interdigital transducers**
 wireless IDT sens. *Jose, K.A.*, +, *MWSYM 02 655-658 vol.2*
- Interface phenomena; cf.** Accumulation layers; Inversion layers; Metal-semiconductor-metal structures; Schottky barriers
- Interface roughness**
 SiO₂/Si₃N₄ integrated-optics waveguides on Si substrs., design and fab. *Bulla, D.A.P.*, +, *T-MTT Jan 02 9-12*
- Interface structure; cf.** Interface roughness
- Interference (signal); cf.** Adjacent channel interference; Crosstalk; Electromagnetic interference; Intersymbol interference
- Interference suppression**
 CDMA receiver, adaptive antenna array, LO phase noise. *Slade, G.W.*, *MWSYM 02 1353-1356 vol.2*
- digital microwave receiver technol. *Tsui, J.B.Y.*, +, *T-MTT Mar 02 699-705*
- high-speed ccts., parallel-plate noise suppression, metallic EM band-gap struct. *Abhari, R.*, +, *MWSYM 02 493-496 vol.1*
- RF power amp., DC-DC converter, switching noise, act. cancellation. *Kobayashi, H.*, +, *MWSYM 02 1647-1650 vol.3*
- Interferometry; cf.** Electromagnetic wave interferometry
- Intermediate-frequency amplifiers**
 Bluetooth 6.5-mW receiver front-end in 0.18- μ m CMOS. *Beffa, F.*, +, *RFIC 02 391-394*
- CMOS transmit/receive IF chip-set for WCDMA mobiles. *Dasgupta, U.*, +, *RFIC 02 195-198*
- Intermodulation**
 carrier power to intermodulation-distortion power-ratio-increasing technique in active phased-array antenna systems. *Kaho, T.*, +, *T-MTT Dec 02 2987-2994*

- corrections to "Improvement of third-order intermodulation product of RF and microwave amplifiers by injection" (Jun 01 1148-1154). *Aitchison, C.S.*, +, *T-MTT Jan 02* 229
- GaN MESFET nonlinearities, large-sig. model, Volterra series. *Islam, S.S.*, +, *RFIC 02* 351-354
- HBT, intermodulation asymmetry, time domain meas. syst. *Williams, D.J.*, +, *MWSYM 02* 1841-1844 vol.3
- nonlin. AC FET model, extraction using small-sig. S-params. *Vuolevi, J.H.K.*, +, *T-MTT May 02* 1311-1315
- nonlin. power amp. modeling taking into account HF memory freq. *Launay, F.*, +, *MWSYM 02* 865-868 vol.2
- prediction of IMD in LDMOS transistor amplifiers using new large-signal model. *Fager, C.*, +, *T-MTT Dec 02* 2834-2842
- self-heterodyne direct down conversion microwave commun. link, syst. predistortion. *Jin Park*, +, *MWSYM 02* 939-942 vol.2
- Intermodulation; cf.** Intermodulation distortion
- Intermodulation distortion**
- act. phased array antenna syst., IMD control. *Kaho, T.*, +, *MWSYM 02* 781-784 vol.2
- AlGaAs/InGaAs/GaAs pHEMT power amps., Ka-band intercept point behavior. *Merkle, T.*, +, *MWSYM 02* 453-456 vol.1
- AlGaIn/GaN power HEMTs, RF perform./thermal anal., self-heating effects. *Nuttinck, S.*, +, *MWSYM 02* 921-924 vol.2
- distortion control tech. for achieving high power efficiency in HPA array. *Kaho, T.*, +, *T-MTT Nov 02* 2505-2512
- dual-gate FET mixers, IMD anal., large-sig./small-sig. anal. *Junghyun Kim*, +, *T-MTT Jun 02* 1544-1555
- feedforward amp., error sig. reuse. *Khanifar, A.*, +, *MWSYM 02* 473-475 vol.1
- FET charact., bias/temp./freq. depend., dyn. behavior. *Parker, A.E.*, +, *MWSYM 02* 993-996 vol.2
- FET device, nonlin. distortion, Smoothie data base model. *Cuoco, V.*, +, *MWSYM 02* 2149-2152 vol.3
- InGaP/GaAs power HBT, electro-thermal large-sig. model, param. extraction. *Hyun-Min Park*, +, *MWSYM 02* 1009-1012 vol.2
- LDMOS power amp., ultra-lin. sq.-law approx. *van der Heijden, M.P.*, +, *T-MTT Sep 02* 2176-2184
- LDMOS RF power transistor, nonlin. distortion, polynomial model. *Vuolevi, J.*, +, *MWSYM 02* 2157-2160 vol.3
- LDMOS transistor amps., IMD behavior. *Fager, C.*, +, *MWSYM 02* 131-134 vol.1
- microwave nonlin. systs. and devices, IMD response asymmetries. *Borges de Carvalho, N.*, +, *T-MTT Sep 02* 2090-2101
- multicarrier transm. systs., IMD charactn. *Naishadham, K.*, *MWSYM 02* 2193-2196 vol.3
- nonlin. anal. of GaN MESFETs with Volterra series using large-signal models including trapping effects. *Islam, S.S.*, +, *T-MTT Nov 02* 2474-2479
- PHEMT IMD prediction using nonlin. discrete convolution model. *Costantini, A.*, +, *MWSYM 02* 857-860 vol.2
- power amps., nonlin. response modeling, augmented behavioral charactn. *Asbeck, P.M.*, +, *MWSYM 02* 135-138 vol.1
- power HBTs, nonlin. behavior, Volterra-series anal. model, mobile comms appls. *Woonyun Kim*, +, *T-MTT Jul 02* 1714-1722
- predistortion lin., LF even-order intermodulation components. *Youngoo Yang*, +, *T-MTT Feb 02* 446-452
- quantifying memory effects in RF power amplifiers. *Ku, H.*, +, *T-MTT Dec 02* 2843-2849
- RF amp. lin., harmonic and baseband sig. injection. *Chun-Wah Fan*, +, *T-MTT Jul 02* 1801-1806
- RF power amps. with memory effects, behavioral model, two-tone meas. *Hyunchul Ku*, +, *MWSYM 02* 139-142 vol.1
- satellite repeater amp. charactn., large bandwidth NPR/modulated sig. meas. *Mallet, A.*, +, *MWSYM 02* 2245-2248 vol.3
- SiGe HBT, IMD, VBIC model. *Ramana Murty, M.*, +, *MWSYM 02* 2165-2168 vol.3
- two-tone meas. tech. for microwave power-amp. charactn. *Clark, C.J.*, +, *T-MTT Jun 02* 1590-1602
- Internet**
- EM/microwave education, technol.-based. *Iskander, M.F.*, *T-MTT Mar 02* 1015-1020
- microwave/RF education, past/present/future. *Gupta, K.C.*, +, *T-MTT Mar 02* 1006-1014
- world-wide wireless web. *Abdi, B.*, +, *RFIC 02* 3-6
- Interpolation**
- 3D multilayer microstrip antennas and ccts., EM modeling. *Feng Ling*, +, *T-MTT Jun 02* 1628-1635
- lossy anisotropic waveguides, full-wave high-order FEM model, higher order interpolatory vector elements. *Savi, P.*, +, *T-MTT Feb 02* 495-500
- Intersymbol interference**
- p-i-n/HEMT and MSM/HEMT monolithic photoreceivers, high-speed, comparison. *Fay, P.*, +, *T-MTT Jan 02* 62-67
- Inverse problems**
- act. microwave imaging, 2D forward and inverse scatt. methods, breast tumor detect. appl. *Qing Huo Liu*, +, *T-MTT Jan 02* 123-133
- arbitrarily terminated nonuniform transm. lines, synthesis, pot. fn., Cauchy data. *Xiao, G.*, +, *T-MTT Aug 02* 2025-2028
- biomedical imaging, multiplicative regularized contrast source inversion method. *Abubakar, A.*, +, *T-MTT Jul 02* 1761-1771
- complex loads, impedance matching, nonuniform transm. lines. *Gaobiao Xiao*, +, *T-MTT Jun 02* 1520-1525
- complex tensorial permeab. of magnetized materials, automatic microwave meas. tech. *Queffelec, P.*, +, *T-MTT Sep 02* 2128-2134
- cylindrically stratified media, microwave imaging, anal. method. *Akhtar, M.J.*, +, *MWSYM 02* 2005-2008 vol.3
- Inversion layers**
- Si wafer, substr. loss, microstrip and CPW transm. lines. *Lederer, D.*, +, *MWSYM 02* 685-688 vol.2
- Invertors**
- stable act. impedance inverter, anal. and appl. to bandpass filter design. *Young-Hoon Chun*, +, *MWSYM 02* 1911-1914 vol.3
- Ion beam applications; cf.** Ion implantation
- Ion implantation**
- SiGe HBTs with HV breakdown struct., RF power charact. *Matsuno, T.*, +, *MWSYM 02* 293-295 vol.1
- Ionization; cf.** Impact ionization
- Ionospheric electromagnetic wave propagation**
- HF/VHF/UHF systs. and technol., appls. *Raab, F.H.*, +, *T-MTT Mar 02* 888-899
- Iron**
- WDM fiber-radio transm. using InP:Fe cryst.-based wavelength-self-tunable SSB filter. *Vourch, E.*, +, *MWSYM 02* 1703-1706 vol.3
- Iron alloys; cf.** Steel
- Iron compounds; cf.** Ferrites
- Isolation technology**
- air gap transm. lines for mm-wave appls., high perform. *Inho Jeong*, +, *MWSYM 02* 661-664 vol.2
- CMOS IC, isolation pockets, full wave anal., EM simul. *Bajon, D.*, +, *MWSYM 02* 987-990 vol.2
- CMOS RFIC/MMIC, bonding pad, depletion-insulation struct. *Sang Lam*, +, *MWSYM 02* 677-680 vol.2
- CMOS RFICs, EM isolation and coupling characts. for crosstalk suppress. *Adan, A.O.*, +, *MWSYM 02* 39-42 vol.1
- Schottky jn. transistors for micropower RFICs. *Spann, J.*, +, *RFIC 02* 423-426
- SiGe HBTs, reduced press. CVD, RF perform. tradeoffs. *Bongki Mheen*, +, *MWSYM 02* 413-416 vol.1
- Iterative decoding**
- direct digital receiver, QPSK sig. decoding, learning algms. *Mireux, O.*, +, *MWSYM 02* 497-500 vol.1
- Iterative methods**
- biomedical imaging, multiplicative regularized contrast source inversion method. *Abubakar, A.*, +, *T-MTT Jul 02* 1761-1771
- constrained EM-based modeling of pass. components, adaptive algm. *Dhaene, T.*, +, *MWSYM 02* 2113-2116 vol.3
- EM field BVP, symmetric successive overrelaxation preconditioning conjug.-gradient method. *Ru-Shan Chen*, +, *T-MTT Apr 02* 1165-1172
- grounded dielec. slab, thick/lossy, complete pole location. *Swee-Ann Teo*, +, *T-MTT Feb 02* 440-445
- gyrotron ideal Gaussian beams, phase retrieval, irradiance moments method. *Anderson, J.P.*, +, *T-MTT Jun 02* 1526-1535
- lossy and unbounded EM eigenvalue problems, robust finite-element soln. *Yu Zhu*, +, *T-MTT Oct 02* 2331-2338
- MMIC anal. problems, method of moments simul., large dense matrices, iter. soln. *Prakash, V.V.S.*, +, *MWSYM 02* 2041-2044 vol.3
- multilayered aperture-coupled patch antenna, 3D EM problems full-wave anal. *Lei Yin*, +, *T-MTT Aug 02* 2011-2017
- planar RF/microwave ICs, EM model, integral eqn. *Okhmatovskii, V.I.*, +, *MWSYM 02* 1897-1900 vol.3
- planar waveguides, multiple scatt. among vias, sparse-matrix canonical-grid method. *Chung-Chi Huang*, +, *MWSYM 02* 2045-2048 vol.3
- RF power amp. lin., adaptive predistortion feedback path, anti-aliasing filter effects. *Weiyun Shan*, +, *MWSYM 02* 469-472 vol.1
- Iterative methods; cf.** Gradient methods; Iterative decoding; Newton method

JFET circuits

AlGaIn/GaN HFET amp., RF charact. *Trew, R.J.*, *MWSYM 02* 1811-1814 vol.3

JFET circuits; cf. JFET integrated circuits**JFET integrated circuits**

GaAs single-pole dual-throw antenna switch for GSM appl. *Numata, K.*, +, *RFIC 02* 141-144

Jitter

CMOS PLL based freq. synthesizer, ring-type VCO, GSM appls. *Ali, S.*, +, *RFIC 02* 173-176

digital ICs, 40 Gb, time-domain waveform meas., cable/connector dispersion removal. *Scott, J.*, +, *MWSYM 02* 1669-1672 vol.3

enhanced on-wafer time-domain waveform measurement through removal of interconnect dispersion and measurement instrument jitter. *Scott, J.B.*, +, *T-MTT Dec 02* 3022-3028

GaAs 2-bit ADC ICs for radio astron. appls. *Okiura, M.*, +, *MWSYM 02* 485-488 vol.1

Jitter; cf. Timing jitter**K****Klystrons**

microwave/MM-wave radar, hist., mil. and civ. appls. *Skolnik, M.*, *T-MTT Mar 02* 625-632

multistage depressed collector high-efficiency DBS-band klystron. *Habermann, T.*, +, *MWSYM 02* 633-636 vol.2

RF vac. electronics, hist. & recent advances. *Parker, R.K.*, +, *T-MTT Mar 02* 835-845

Knowledge based systems

microwave modeling, knowledge based automatic model generation. *Devabhaktuni, V.*, +, *MWSYM 02* 1097-1100 vol.2

Knowledge representation; cf. Belief networks**L****Ladder filters**

BAW resonators/filters, appls. above 2 GHz. *Lakin, K.M.*, +, *MWSYM 02* 1487-1490 vol.3

TFBAR filter, wireless commun. *Kim, K.W.*, +, *MWSYM 02* 1181-1184 vol.2

Ladder networks; cf. Ladder filters**Land mobile radio**

1.9-GHz MMIC receiver front-end with monolithic image-reject filter and VCO. *Rogers, J.W.M.*, +, *T-MTT Jan 02* 210-215

broadband RF front-end for direct conversion transceivers, 0.9-2.6 GHz, low-noise variable gain amp. *Kawashima, M.*, +, *MWSYM 02* 927-930 vol.2

RF/UHF ICs, base stations. *Rohde, U.L.*, *RFIC 02* 13-17

telemedicine sys., wireless commun. in healthcare, microwave indust. outlook. *Schepps, J.*, +, *T-MTT Mar 02* 1044-1045

W-CDMA base-station power amp., adaptive digital predistortion. *Potter, C.*, *RFIC 02* 275-278

Land mobile radio; cf. Cellular radio**Lanthanum compounds**

PLZT ferroelec. cathode, microwave gyro amp. *Einat, M.*, +, *T-MTT Apr 02* 1227-1230

Large scale integration; cf. ULSI; VLSI**Laser ablation**

YBaCuO HTSC microwave filters, tuning by laser trimming. *Parker, N.J.*, +, *MWSYM 02* 1971-1974 vol.3

Laser beam applications

carrier regeneration and reuse with gain compress. and feedforward SOAs. *Conforti, E.*, +, *T-MTT Jan 02* 77-81

Laser beam applications; cf. Laser beam machining**Laser beam machining**

YBaCuO HTSC microwave filters, tuning by laser trimming. *Parker, N.J.*, +, *MWSYM 02* 1971-1974 vol.3

Laser materials processing; cf. Laser ablation**Laser noise**

Nd:LiNbO₃ microchip laser, RIN peak and phase noise suppression. *Csornyei, M.*, +, *MWSYM 02* 1377-1380 vol.2

Lasers; cf. Distributed feedback lasers; Free electron lasers; Solid lasers**Lead bonding**

RFIC design, package and bonding wire modeling software and appl. *Goto, K.*, +, *MWSYM 02* 2109-2112 vol.3

Lead compounds

PLZT ferroelec. cathode, microwave gyro amp. *Einat, M.*, +, *T-MTT Apr 02* 1227-1230

Leakage currents

AlGaAs/InGaAs doped-channel power FETs, low-k BCB bridged proc. *Hsien-Chin Chiu*, +, *MWSYM 02* 521-524 vol.1

Al₂O₃ high-K dielec., RF MIM capacitor. *Chen, S.B.*, +, *MWSYM 02* 201-204 vol.1

AlTiO_x high-K dielec., RF MIM capacitor. *Chen, S.B.*, +, *MWSYM 02* 201-204 vol.1

GSM and DCS power amps., enhancement mode FET technol. *Glass, E.*, +, *MWSYM 02* 557-560 vol.1

GSM/DCS single supply power amp. ICs, enhancement mode FET technol. *Glass, E.*, +, *RFIC 02* 447-450

Leaky wave antennas

conductor-backed slotline, leaky mode, uniplanar leaky wave antenna. *Zehentner, J.*, +, *MWSYM 02* 961-964 vol.2

EME microstrip, leaky-mode array, dispersion charact. *Ching-Kuo Wu*, +, *MWSYM 02* 1083-1086 vol.2

open struct., guided modes, complex effective dielec. const. *Xiang-yin Zeng*, +, *T-MTT May 02* 1417-1424

reconfigurable leaky-wave/patch microstrip aperture for phased-array appl. *Sor, J.*, +, *T-MTT Aug 02* 1877-1884

substr.-superstrate dielec. waveguide, continuous spectrum, approx. anal. eval. *Baccarelli, P.*, +, *MWSYM 02* 953-956 vol.2

Learning (artificial intelligence)

direct digital receiver, QPSK sig. decoding, learning algms. *Mireux, O.*, +, *MWSYM 02* 497-500 vol.1

PHENT, neural model, training data. *Joodaki, M.*, +, *MWSYM 02* 1105-1108 vol.2

Least squares approximations

adaptive Volterra predistorter for RF high power amp. lin. in wireless commun. *Anding Zhu*, +, *MWSYM 02* 461-464 vol.1

complex permitt. of brain tissues, charactn. up to 50 GHz using two-port microstrip test fixture. *Tofighi, M.-R.*, +, *T-MTT Oct 02* 2217-2225

Length measurement

integrated microwave sens., cavity length meas. *Megej, A.*, +, *MWSYM 02* 643-646 vol.2

integrated microwave sensors for cavity-length measurement in machine engineering. *Megej, A.*, +, *T-MTT Dec 02* 3070-3076

Lens antennas

automotive radar, multibeam imaging antenna. *Schoenlinner, B.*, +, *MWSYM 02* 1373-1376 vol.2

MM-wave wide-scan spherical-lens antennas for automotive radars. *Schoenlinner, B.*, +, *T-MTT Sep 02* 2166-2175

Lenses; cf. Electrostatic lenses**LIGA**

organic wafer-level packaging platform for highly integrated RF transceivers. *Ramachandran, R.*, +, *MWSYM 02* 1401-1404 vol.3

Light interferometers; cf. Mach-Zehnder interferometers**Light polarization; cf.** Optical fiber polarization**Light transmission**

subcarrier-based control implement. for opt. networking. *Willner, A.E.*, *MWSYM 02* 1687-1690 vol.3

Limit cycles

time-delayed PLL model, crit. & optimal gain, stabil. changes. *Buckwalter, J.*, +, *RFIC 02* 181-184

Limiters

GaAs PIN diode, high-power limiter cct. *Smith, D.G.*, +, *MWSYM 02* 1245-1247 vol.2

Limiters; cf. Microwave limiters**Linear algebra; cf.** Dispersion relations; Eigenvalues and eigenfunctions; Matrix algebra; Tensors; Vectors**Linear antenna arrays**

act. phased array antenna syst., IMD control. *Kaho, T.*, +, *MWSYM 02* 781-784 vol.2

meanderless slot arrays on elec. thick substs. at MM-wave freqs. *Meide Qiu*, +, *T-MTT Feb 02* 517-528

Linear antennas; cf. Linear antenna arrays**Linearization techniques**

adaptive Volterra predistorter for RF high power amp. lin. in wireless commun. *Anding Zhu*, +, *MWSYM 02* 461-464 vol.1

feedforward amp. for WCDMA base stations with adaptive control method. *Young Yun Woo*, +, *MWSYM 02* 769-772 vol.2

predistortion cct. design for 2nd- and 3rd-order lin. in laser-based radio-over-fiber sys. *Roselli, L.*, +, *MWSYM 02* 1711-1714 vol.3

predistortion lin., LF even-order intermodulation components. *Youngoo Yang*, +, *T-MTT Feb 02* 446-452

RF amp. lin., harmonic and baseband sig. injection. *Chun-Wah Fan*, +, *T-MTT Jul 02* 1801-1806

RF power amp. lin., adaptive predistortion feedback path, anti-aliasing filter effects. *Weiyun Shan*, +, *MWSYM 02* 469-472 vol.1

TWTA, lin. technol. *Tong Chen*, +, *MWSYM 02* 773-776 vol.2

W-CDMA base-station power amp., adaptive digital predistortion. *Potter, C.*, *RFIC 02* 275-278

W-CDMA base-station power amp. using adaptive digital predistort., syst. anal. *Potter, C.*, *MWSYM 02* 21-25 vol.1

- WCDMA sig. modulation, lin. method. *Youngoo Yang*, +, *MWSYM* 02 777-780 vol.2
- Linear network analysis**
folded coupled-line struct., anal., appl. to filter and diplexer design. *Chih-Ming Tsai*, +, *MWSYM* 02 1927-1930 vol.3
RF/microwave ccts./systs., CAD/CAE. *Steer, M.B.*, +, *T-MTT Mar* 02 996-1005
SiGe HBT cascode LNAs, 2-GHz, geom./bias current optim. *Qingqing Liang*, +, *MWSYM* 02 517-520 vol.1
SiGe HBT cascode LNAs, geom. and bias current optim. *Qingqing Liang*, +, *RFIC* 02 407-410
- Linear network synthesis**
cascaded quintuplet filter structs., direct synthesis using lowpass prototype. *Reeves, T.*, +, *MWSYM* 02 1441-1444 vol.3
coupling schemes for microwave resonator filters. *Rosenberg, U.*, +, *MWSYM* 02 1605-1608 vol.3
interdigital filters, optim. by CAD applying coupling ident. method. *Saboureau, C.*, +, *MWSYM* 02 2089-2092 vol.3
SiGe HBT cascode LNAs, geom. and bias current optim. *Qingqing Liang*, +, *RFIC* 02 407-410
symmetric coupled-resonator filters, param. extraction procedure. *Heng-Tung Hsu*, +, *MWSYM* 02 1445-1448 vol.3
- Linear phase filters**
cross-coupled filters, cascade synthesis theory, complex transm. zeros. *Yildirim, N.*, +, *T-MTT Jun* 02 1536-1543
- Liquid crystal devices**
microwave variable delay line with liq. cryst. impregnated membrane. *Kuki, T.*, +, *MWSYM* 02 363-366 vol.1
tunable inverted-microstrip phase shifter using NLC. *Weil, C.*, +, *MWSYM* 02 367-371 vol.1
- Liquid crystals**
microwave variable delay line using dual-frequency switching-mode liquid crystal. *Kuki, T.*, +, *T-MTT Nov* 02 2604-2609
- Liquid crystals; cf.** Nematic liquid crystals
- Liquids; cf.** Liquid crystals
- Lithium compounds**
LiNbO₃ TW modulator, substr. modes. *Goverdhanam, K.*, *MWSYM* 02 1285-1288 vol.2
- Lithography; cf.** Electron beam lithography
- Local area networks; cf.** Wireless LAN
- Localized states; cf.** Electron traps; Hole traps
- Logic; cf.** Current-mode logic
- Logic CAD**
generation of optimal microwave topologies using time-domain field synthesis. *Bakr, M.H.*, +, *T-MTT Nov* 02 2537-2544
- Logic circuits; cf.** Asynchronous circuits
- Loop antennas**
wireless microwave power transm., 5.8-GHz circ. polarized rectenna. *Strassner, B.*, +, *T-MTT Aug* 02 1870-1876
- Losses**
approx. analytical eval. of continuous spectrum in substrate-superstrate dielectric waveguide. *Baccarelli, P.*, +, *T-MTT Dec* 02 2690-2701
BaSrTiO₃/sapphire refl.-type phase shifter, monolithic, using CPW Lange coupler. *Dongsu Kim*, +, *MWSYM* 02 1471-1474 vol.3
BaSrTiO₃ thin film parallel plate capacitors for X-band phase shifter appl. *Acikel, B.*, +, *MWSYM* 02 1467-1469 vol.3
CW-mode opt. controlled microwave switch with carrier-confine. struct. *Sangil Lee*, +, *MWSYM* 02 1289-1292 vol.2
danger of high-frequency spurious effects on wide microstrip line. *Mesa, F.*, +, *T-MTT Dec* 02 2679-2689
four-column array microstrip antenna, low-loss compact Butler matrix feed. *Bona, M.*, +, *T-MTT Sep* 02 2069-2075
GaAs thermoelec. microwave power sens., broadband/MMIC compatible, using std. foundry proc. *Dehe, A.*, +, *MWSYM* 02 1829-1832 vol.3
HTS microstrip cct. design, shunt capacitor approx., bandstop filter. *Shen Ye*, *MWSYM* 02 1979-1982 vol.3
interdigital hairpin bandpass filter, design using model of coupled slots. *Deleniv, A.N.*, +, *T-MTT Sep* 02 2153-2158
lossy anisotropic waveguides, full-wave high-order FEM model, higher order interpolatory vector elements. *Savi, P.*, +, *T-MTT Feb* 02 495-500
microstrip to dielec.-filled rect. waveguide transit., surface mounting. *Sano, K.*, +, *MWSYM* 02 813-816 vol.2
microstrip transm. layered struct. with complex media, atten. determ. *Krowne, C.M.*, *T-MTT Jan* 02 112-122
MM-wave CPWs on Si, interface loss mechanisms. *Zhao, W.*, +, *T-MTT Jan* 02 407-410
MM-wave perp. coax-to-microstrip right-angle transit. *Morgan, M.*, +, *MWSYM* 02 817-820 vol.2
multilayer microstrip struct. piezoelec. transducer controlled phase shifter anal. *Tae-Yeoul Yun*, +, *T-MTT Jan* 02 105-111
planar microwave baluns with three symmetric coupled lines, low-loss, anal./design. *Jong-Wook Lee*, +, *MWSYM* 02 117-121 vol.1
planar transm. line, metallic loss, FDFD anal. *Kunze, M.*, +, *T-MTT May* 02 1275-1279
RF mixers, vector charactn./test syst. vector error correction method. *Dunsmore, J.*, *MWSYM* 02 1833-1836 vol.3
Si wafer, substr. loss, microstrip and CPW transm. lines. *Lederer, D.*, +, *MWSYM* 02 685-688 vol.2
SOPs, microwave perform. improvement, design techs. *Jessie, D.*, +, *MWSYM* 02 297-300 vol.1
thin metal wires in rect. waveguide, scatt. and absorpt. study. *Bingle, M.*, +, *T-MTT Jun* 02 1621-1627
two-port/three-port symmetric inductors on Si, freq. depend. losses modeling. *Kamgaing, T.*, +, *MWSYM* 02 153-156 vol.1
vert. integrated slot-coupled micromachined filter, meas. and FEM model. *Harle, L.*, +, *T-MTT Sep* 02 2063-2068
YBaCuO low-loss 5GHz bandpass filter using HTS CPW qtr.-wavelength resonators. *Zhewang Ma*, +, *MWSYM* 02 1967-1970 vol.3
- Losses; cf.** Dielectric losses; Eddy current losses; Optical losses
- Loss measurement**
flexible circ. dielec. waveguides, Q-band dielec./radiation loss meas. *Ki Young Kim*, +, *MWSYM* 02 1149-1152 vol.2
transm.-type resonator, unloaded Q-factors meas. by insertion loss/return loss methods, error anal. *Ma, Z.*, +, *MWSYM* 02 1661-1664 vol.3
- Loss measurement; cf.** Dielectric loss measurement
- Low-pass filters**
cascaded quintuplet filter structs., direct synthesis using lowpass prototype. *Reeves, T.*, +, *MWSYM* 02 1441-1444 vol.3
CPW-to-CPS transits., low-pass/high-pass filters. *Yo-Shen Lin*, +, *MWSYM* 02 2213-2216 vol.3
defected ground struct. lowpass filter optimiz., equiv. cct./modeling method. *Jun-Seok Park*, +, *MWSYM* 02 417-420 vol.1
dual-freq. printed dipole rectenna, wireless power transm. *Young-Ho Suh*, +, *T-MTT Jul* 02 1784-1789
inline prototype filters, cascaded triplet/quadruplet sects. *Macchiarella, G.*, *T-MTT Jul* 02 1779-1783
Ku-band low-loss stripline low-pass filter for LTCC modules, low-impedance lines. *Ohwada, T.*, +, *MWSYM* 02 1617-1620 vol.3
LTCC freq. doubler, L-band, using embedded lumped element filters. *Hurley, R.*, +, *MWSYM* 02 1549-1552 vol.3
microstrip low-pass filter, broadband spurious suppression. *Moon-Que Lee*, +, *MWSYM* 02 1797-1800 vol.3
multistage broadband microwave amp. design, appl. of filter synthesis tech. *Rooney, J.-P.*, +, *MWSYM* 02 1915-1918 vol.3
nonuniform transm. lines, wide-band equal-ripple filters. *Da-Chiang Chang*, +, *T-MTT Apr* 02 1114-1119
smart antenna receiver array using single RF channel and digital beamforming. *Fredrick, J.D.*, +, *MWSYM* 02 311-314 vol.1
- Low-power electronics**
BiCMOS dual-modulus prescaler, ECL-based ccts., low supply voltage. *Dulger, F.*, +, *RFIC* 02 177-180
Bluetooth low-IF receiver front-end, CMOS chip. *Beffa, F.*, +, *MWSYM* 02 501-504 vol.1
CMOS dual-band freq. synthesizer, 2.3/4.6 GHz, wireless appls. *Wei-Zen Chen*, +, *RFIC* 02 169-172
CMOS gain controllable LNAs, 8-9 GHz wireless appls., very LV circuitry. *Tsang, T.K.K.*, +, *RFIC* 02 205-208
CMOS LC-resonator quadrature VCO, low power, 2.45 GHz, tuning. *Leenaerts, D.*, +, *RFIC* 02 67-70
CMOS LC VCO, WLAN appls. *Bhattacharjee, J.*, +, *MWSYM* 02 585-588 vol.1
CMOS PLL based freq. synthesizer, ring-type VCO, GSM appls. *Ali, S.*, +, *RFIC* 02 173-176
CMOS regenerative freq. doubler, dyn.-loading tech., 4-GHz. *Wong, J.M.C.*, +, *RFIC* 02 463-466
CMOS UTs SOI proc. high speed digital PLL, low power design. *Wu, G.C.*, +, *RFIC* 02 165-168
cryogenic LNA, DC power consumption. *Angelov, L.*, +, *T-MTT Jun* 02 1480-1486
GaAs MESFET MMIC mixers, HIPERLAN appl., low distortion. *Ellinger, F.*, +, *T-MTT Jan* 02 178-182
GaAs MESFET modified cascode LNA, dual common source transistors. *Sungmin Ock*, +, *MWSYM* 02 1423-1426 vol.3
GaAs MHEMT distributed amp. for 40-Gb/s opt. appls. *Heins, M.S.*, +, *MWSYM* 02 1061-1064 vol.2
InP HEMT and HITD, ultra-low-power VCO. *Cidronali, A.*, +, *RFIC* 02 297-300
LC VCO, low power cct., WLAN appl. *Bhattachajee, J.*, +, *RFIC* 02 475-478
Schottky jn. transistors for micropower RFICs. *Spann, J.*, +, *RFIC* 02 423-426
Schottky Junction Transistor, micropower RFIC. *Spann, J.*, +, *MWSYM* 02 533-536 vol.1
SiGe 5-6 GHz act. subharmonic direct-conversion receiver front-end design. *Svitek, R.*, +, *MWSYM* 02 505-508 vol.1
SiGe bipolar technol. dual-modulus prescaler, static divider stages, differential CML. *Knapp, H.*, +, *RFIC* 02 239-242

- SiGe bipolar transimpedance amp. array for 12 parallel 10 Gb/s opt. fiber links. *Schild, A.*, +, *RFIC* 02 89-92
- static freq. divider, low-power 20 GHz, prog. input sensitivity. *Vaucher, C.S.*, +, *RFIC* 02 235-238
- ultra low-power VCO based on InP HEMT and heterojn. interband tunnel diode for wireless appl. *Cidronali, A.*, +, *MWSYM* 02 43-47 vol.1
- V-band distributed MEMS digital phase shifter, metal-air-metal capacitor. *Hong-Teuk Kim*, +, *MWSYM* 02 341-344 vol.1
- WLAN 5.8-GHz two-stage high-lin. LV LNA, 0.35- m CMOS technol. *Ren-Chieh Liu*, +, *RFIC* 02 221-224
- Low-temperature techniques**
microwave HTSC technol., appls. overview. *Mansour, R.R.*, *T-MTT Mar* 02 750-759
- Lumped parameter networks**
conductor-loaded cavity resonators, 3-pole filter. *Salehi, H.*, +, *MWSYM* 02 1601-1604 vol.3
- LTCC freq. doubler, L-band, using embedded lumped element filters. *Hurley, R.*, +, *MWSYM* 02 1549-1552 vol.3
- microwave filters, survey of design techs. *Levy, R.*, +, *T-MTT Mar* 02 783-793
- multiport ccts., equiv. cct. models. *Neumayer, R.*, +, *MWSYM* 02 721-724 vol.2
- planar filter design using 0 feed struct., lumped-cct. model. *Chih-Ming Tsai*, +, *T-MTT Oct* 02 2362-2367
- planar IC, lumped element, param. extraction, short-open calib. *Lei Zhu*, +, *T-MTT Aug* 02 1861-1869
- ring resonators, closed/open-loop, equiv. lumped elements/unloaded Q values. *Lung-Hwa Hsieh*, +, *T-MTT Feb* 02 453-460
- Schottky diodes, packaged, nonlin. lumped network-FDTD model. *El Mrabet, O.*, +, *T-MTT Oct* 02 2411-2412
- two-port/three-port symmetric inductors on Si, freq. depend. losses modeling. *Kamgaing, T.*, +, *MWSYM* 02 153-156 vol.1

M

- Machining; cf.** Electrical discharge machining; Laser beam machining; Micromachining
- Mach-Zehnder interferometers**
InP/InGaAs HPT direct opt. injection-locked oscillator ICs for optoelectronic clock recovery ccts., 10/39 GHz. *Kamitsuna, H.*, +, *MWSYM* 02 1699-1702 vol.3
- opt. mixing of antenna sigs. in WDM systs. *Cabon, B.*, +, *MWSYM* 02 1953-1956 vol.3
- Magnetic anisotropy**
anisotropic stripline struct., printed apertures, dyn. model. *Lacava, J.C.D.S.*, +, *T-MTT Jan* 02 22-26
- microstrip line, Y-type hexaferrite substr. *Hoton How*, +, *T-MTT May* 02 1280-1288
- Magnetic devices; cf.** Ferrite devices; Magnetic microwave devices; Magnetic thin film devices
- Magnetic field integral equations**
planar ccts./MEMS, time/freq. domain modeling using EM solvers, efficiency comparisons. *Pierantoni, L.*, +, *MWSYM* 02 891-894 vol.2
- Magnetic field measurement**
opt. field-tunable probe, elec. and mag. field meas. *Reano, R.M.*, +, *MWSYM* 02 1513-1516 vol.3
- Magnetic fields**
lossy structs., 3D hybrid finite-difference method, quasi-static field solns. *Kunze, M.*, +, *MWSYM* 02 1881-1884 vol.3
- Magnetic materials**
complex tensorial permeab. of magnetized materials, automatic microwave meas. tech. *Queffelec, P.*, +, *T-MTT Sep* 02 2128-2134
- Magnetic materials; cf.** Ferromagnetic materials
- Magnetic microwave devices**
ferromag. composite, mag. tunable microwave device. *Salahun, E.*, +, *MWSYM* 02 1185-1188 vol.2
- microstrip resonators fabricated on magnetized ferrites with arbitrarily oriented bias mag. field. *Leon, G.*, +, *T-MTT Jun* 02 1510-1519
- microwave ferrite device/materials technol. *Adam, J.D.*, +, *T-MTT Mar* 02 721-737
- Magnetic permeability measurement**
complex tensorial permeab. of magnetized materials, automatic microwave meas. tech. *Queffelec, P.*, +, *T-MTT Sep* 02 2128-2134
- Magnetic resonance; cf.** Ferrimagnetic resonance
- Magnetic resonance imaging**
HF/VHF/UHF systs. and technol., appls. *Raab, F.H.*, +, *T-MTT Mar* 02 888-899
- Magnetic thin film devices**
Co₈₅Nb₁₂Zr₃ film, ferromag. RF integrated inductor. *Yarnaguchi, M.*, +, *MWSYM* 02 197-200 vol.1

- Magnetic variables measurement; cf.** Magnetic field measurement; Magnetic permeability measurement
- Magnetism; cf.** Magnetic fields; Magnetic materials
- Magnetization; cf.** Magnetic anisotropy; Remanence
- Magneto-optical effects; cf.** Faraday effect
- Magnetostatic wave devices**
ferrite-loaded microstrip lines/slot lines, leaky forward vol. MSW propag. *Marques, R.*, +, *T-MTT Aug* 02 1935-1941
- Mammography**
act. microwave imaging, 2D forward and inverse scatt. methods, breast tumor detect. appl. *Qing Huo Liu*, +, *T-MTT Jan* 02 123-133
- biological tissues, temp. distrib. profile, multifreq. microwave thermography. *Stec, B.*, +, *MWSYM* 02 2261-2264 vol.3
- Manufacture**
fabrication of MOD-derived YBCO films on (001)LaAlO₃ and their application to /4 CPW SIR BPFs. *Sanada, A.*, +, *T-MTT Dec* 02 2856-2861
- Masers**
LNA, technol./perform. evol. *Whelehan, J.J.*, *T-MTT Mar* 02 806-813
- Masers; cf.** Cyclotron masers
- Matched filters**
reentrant wide-band directional filter, TW reson., matched filter appls. *Petrovich Gorbachev, A.*, *T-MTT Aug* 02 2028-2031
- slotted strip iris harmonic rejection filters. *Kirilenko, A.*, +, *MWSYM* 02 373-376 vol.1
- Materials; cf.** Alumina; Ceramics; Composite materials; Conducting materials; Dielectric materials; Magnetic materials; Microwave materials; Polymers; Porous materials; Quartz; Sapphire; Semiconductor materials
- Materials testing; cf.** Nondestructive testing
- Mathematical analysis; cf.** Bessel functions; Differential equations; Eigenvalues and eigenfunctions; Fourier analysis; Frequency-domain analysis; Integral equations; Inverse problems; Modal analysis; Numerical analysis; Series (mathematics); Spectral-domain analysis; Time-domain analysis
- Mathematics; cf.** Convergence; Functions; Optimization; Topology
- Matrix algebra**
2D stratified medium, EM field, num. tech. *Aksun, M.I.*, +, *T-MTT May* 02 1264-1274
- cascaded quintuplet filter structs., direct synthesis using lowpass prototype. *Reeves, T.*, +, *MWSYM* 02 1441-1444 vol.3
- charged plate, capacitance, MoM matrix elements. *Jen-Tsai Kuo*, +, *T-MTT May* 02 1435-1436
- coupled resonator filters with source/load-multiresonator coupling, adaptive synthesis. *Amari, S.*, +, *T-MTT Aug* 02 1969-1978
- elec.-mag.-elec. slow-wave microstrip line/bandpass filter. *Ching-Kuo Wu*, +, *T-MTT Aug* 02 1996-2004
- inline prototype filters, cascaded triplet/quadruplet sects. *Macchiarella, G.*, *T-MTT Jul* 02 1779-1783
- lossy and unbounded EM eigenvalue problems, robust finite-element soln. *Yu Zhu*, +, *T-MTT Oct* 02 2331-2338
- lossy nonuniform transm. lines, modeling by using differential quadrature methods. *Qinwei Xu*, +, *T-MTT Oct* 02 2233-2246
- multiconductor transm. lines, full-wave anal./modeling via 2D FDTD/sig.-proc. techs. *Feng Liu*, +, *T-MTT Feb* 02 570-577
- PCB, RF multilayer layout, EM coupling, full-wave model. *Abdul-Gaffoor, M.R.*, +, *T-MTT Jun* 02 1445-1457
- symmetric coupled-microstrip systs., longit. multiconductor transm. line fns. investig. *Nickel, J.G.*, +, *T-MTT Jan* 02 183-190
- Matrix algebra; cf.** Impedance matrix; Matrix multiplication; S-matrix theory; Sparse matrices; Transmission line matrix methods
- Matrix decomposition; cf.** Singular value decomposition
- Matrix multiplication**
near field to far field time domain transform. for FDTD in two dimens., transient response. *Feng Xu*, +, *MWSYM* 02 2057-2060 vol.3
- Maxwell equations**
2D alternating-direction implicit FDTD method, num. dispersion anal. *An Ping Zhao*, *T-MTT Apr* 02 1156-1164
- frozen packed beds, microwave melting, rect. waveguide appl. *Ratanadecho, P.*, +, *T-MTT Jun* 02 1495-1502
- lossy structs., 3D hybrid finite-difference method, quasi-static field solns. *Kunze, M.*, +, *MWSYM* 02 1881-1884 vol.3
- low cost RF transceiver ICs, pass. elements modeling, ASITIC, lumped-element equiv. cct. models. *Niknejad, A.M.*, *MWSYM* 02 149-152 vol.1
- MIS interconnect, wave propag., device-level simul. *Gaofeng Wang*, +, *T-MTT Apr* 02 1127-1136
- multilayered aperture-coupled patch antenna, 3D EM problems full-wave anal. *Lei Yin*, +, *T-MTT Aug* 02 2011-2017
- RFIC, pass. elements, ASITIC model. *Niknejad, A.M.*, *RFIC* 02 303-306
- static and quasi-static fields inherent to pulsed FDTD method, trailing dc offsets. *Pontalti, R.*, +, *T-MTT Aug* 02 2022-2025

- Treffitz FEM for comput. EM, TLM method. *Shlepnev, Y.O.*, *T-MTT May 02* 1328-1339
- Mean square error methods**
RF power amp. lin., adaptive predistortion feedback path, anti-aliasing filter effects. *Weiyun Shan*, +, *MWSYM 02* 469-472 vol.1
- Measurement**
global coupled EM-electrical-thermal simulation and experimental validation for spatial power combining MMIC array. *Batty, W.*, +, *T-MTT Dec 02* 2820-2833
integrated microwave sensors for cavity-length measurement in machine engineering. *Megej, A.*, +, *T-MTT Dec 02* 3070-3076
realistic power-amplifiers characterization with application to baseband digital predistortion for 3G base stations. *Boumaiza, S.*, +, *T-MTT Dec 02* 3016-3021
- Measurement; cf.** Biomedical measurement; Dosimetry; Electric variables measurement; Integrated circuit measurement; Loss measurement; Mechanical variables measurement; Microwave measurement; Millimeter wave measurement; Noise measurement; Plasma diagnostics; Pulse measurement; Radiometry; Reflectometry; Remote sensing; Semiconductor device measurement; Submillimeter wave measurement; UHF measurement
- Measurement errors**
ceramic substr. material charactn. at microwave freqs., semianalytical tech. *Fathy, A.E.*, +, *T-MTT Oct 02* 2247-2252
gyrotron ideal Gaussian beams, phase retrieval, irradiance moments method. *Anderson, J.P.*, +, *T-MTT Jun 02* 1526-1535
two-tone meas. tech. for microwave power-amp. charactn. *Clark, C.J.*, +, *T-MTT Jun 02* 1590-1602
vector corrected noise temp. meas., one-port tech. *Weatherspoon, M.H.*, +, *MWSYM 02* 2253-2256 vol.3
- Measurement standards**
microstrip tapered balun printed dipole ref., specific absorpt. rate meas. *Richard, M.*, +, *MWSYM 02* 1743-1746 vol.3
- Measurement theory**
complex tensorial permeab. of magnetized materials, automatic microwave meas. tech. *Queffelec, P.*, +, *T-MTT Sep 02* 2128-2134
- Measurement uncertainty**
ferroelec. material, microwave meas., dielec. sleeve resonator. *Geyer, R.G.*, +, *MWSYM 02* 1657-1660 vol.3
noise params., meas. uncertainty, Monte Carlo simul. *Randa, J.*, *MWSYM 02* 1845-1848 vol.3
ring resonators, closed/open-loop, equiv. lumped elements/unloaded Q values. *Lung-Hwa Hsieh*, +, *T-MTT Feb 02* 453-460
small-sig. model, param. extraction. *Fager, C.*, +, *MWSYM 02* 729-732 vol.2
vector NWA, fixed probe spacing on-wafer calib. *Safwat, A.M.E.*, +, *MWSYM 02* 2257-2260 vol.3
- Mechanical properties; cf.** Deformation
- Mechanical variables measurement**
integrated microwave sensors for cavity-length measurement in machine engineering. *Megej, A.*, +, *T-MTT Dec 02* 3070-3076
- Mechanical variables measurement; cf.** Velocity measurement
- Mechanics; cf.** Damping
- Medical computing**
radiobase antenna dosimetric problems, parallel FDTD tool. *Catarinucci, L.*, +, *MWSYM 02* 1755-1758 vol.3
- Medical diagnostic computing; cf.** Medical image processing
- Medical image processing**
act. microwave imaging, 2D forward and inverse scatt. methods, breast tumor detect. appl. *Qing Huo Liu*, +, *T-MTT Jan 02* 123-133
breast tumor detect., confocal microwave imaging, hemispherical breast model. *Fear, E.C.*, +, *MWSYM 02* 1759-1762 vol.3
multiplicative regularized contrast source inversion method. *Abubakar, A.*, +, *T-MTT Jul 02* 1761-1771
- Medical signal processing; cf.** Medical image processing
- Medicine; cf.** Telemedicine
- Meetings**
1999 International Microwave and Optoelectronics Conference (special issue). *T-MTT Jan 02* 1-93
1999 International Microwave and Optoelectronics Conference (special issue intro.). *Hernandez-Figueroa, H.E.*, +, *T-MTT Jan 02* 1-3
2002 IEEE Radio Frequency Integrated Circuit (RFIC) Symposium. *Lloyd, S.*, *T-MTT Nov 02* 2421
2002 IEEE Radio Frequency Integrated Circuit (RFIC) Symposium (special issue). *T-MTT Nov 02* 2421-2479
2002 International Microwave Symposium (special issue). *T-MTT Dec 02* 2660, 2679-3076
2002 International Microwave Symposium (special issue intro.). *Weisshaar, A.*, +, *T-MTT Dec 02* 2660-2663
- Melting**
frozen packed beds, microwave melting, rect. waveguide appl. *Ratanadecho, P.*, +, *T-MTT Jun 02* 1495-1502
- Membranes**
Cu capacitive RF MEMS switches, low actuation volt., low cost fab. proc. *Balaraman, D.*, +, *MWSYM 02* 1225-1228 vol.2
microwave variable delay line with liq. cryst. impregnated membrane. *Kuki, T.*, +, *MWSYM 02* 363-366 vol.1
polyimide film based RF MEMS capacitive switches, fab. and perform. *Ramadoss, R.*, +, *MWSYM 02* 1233-1236 vol.2
- Memoryless systems**
realistic power-amplifiers characterization with application to baseband digital predistortion for 3G base stations. *Boumaiza, S.*, +, *T-MTT Dec 02* 3016-3021
- MESFET circuits**
GaAs MESFET amps., act. antenna sub-array. *Paji, S.*, +, *MWSYM 02* 1527-1530 vol.3
multistage broadband microwave amp. design, appl. of filter synthesis tech. *Rooney, J.-P.*, +, *MWSYM 02* 1915-1918 vol.3
spline large-signal FET model based on bias-dependent pulsed I-V meas. *Kyoungmin Koh*, +, *T-MTT Nov 02* 2598-2603
wide-band electronically tunable combline filter design. *Torregrosa-Penalva, G.*, +, *T-MTT Jan 02* 172-177
- MESFET circuits; cf.** MESFET integrated circuits
- MESFET integrated circuits**
3D integrated LTCC module, BGA technol., C-band RF front-end module, WLAN. *Pinel, S.*, +, *MWSYM 02* 1553-1556 vol.3
analog phase shifter using two qtr.-wave-length transm. lines. *Hayashi, H.*, +, *T-MTT Jan 02* 150-154
broadband integrated LTCC front-end module, IEEE 802.11a WLAN appls. *Lee, C.-H.*, +, *MWSYM 02* 1045-1048 vol.2
common-gate MESFET downconversion mixer for wireless appls., MMIC implement. *Frank, B.M.*, +, *T-MTT May 02* 1433-1435
GaAs MESFET digital attenuator MMIC, excess inductance extraction. *Choi, S.C.*, +, *MWSYM 02* 2249-2252 vol.3
GaAs MESFET distributed baseband ICs using artificial-line-division tech. and 3D transm. lines. *Kimura, S.*, +, *T-MTT Jun 02* 1603-1608
GaAs MESFET MMIC mixers, HIPERLAN appl., low distortion. *Ellinger, F.*, +, *T-MTT Jan 02* 178-182
GaAs MESFET modified cascode LNA, dual common source transistors. *Sungmin Ock*, +, *MWSYM 02* 1423-1426 vol.3
GaAs single-MMIC four-channel transmitter, multichannel RF/opt. SCM commun. *Sangwoo Han*, +, *T-MTT Apr 02* 1173-1179
GaAs three-MESFET monolithic switch, L-band, bias conditions, reson. topologies. *Torres, J.A.*, +, *T-MTT Jan 02* 51-56
I-Q vector modulator with FET parasitics compensation. *Chongcheawchannan, M.*, +, *T-MTT Jun 02* 1642-1646
SiC MESFET MMIC power amp. design appls. *Pribble, W.L.*, +, *MWSYM 02* 1819-1822 vol.3
- Mesh generation**
2D alternating-direction implicit FDTD method, num. dispersion anal. *An Ping Zhao*, *T-MTT Apr 02* 1156-1164
anal. and appl. of new quasi-network characts. of nonuniform mesh in FDTD simul. *Yan Zhang*, +, *T-MTT Nov 02* 2519-2526
PML ABC errors in FEM, mesh compression. *Mitchell, A.*, +, *T-MTT May 02* 1297-1302
- Metallization**
automotive radar, multibeam imaging antenna. *Schoenlinner, B.*, +, *MWSYM 02* 1373-1376 vol.2
ceramic substr. material charactn. at microwave freqs., semianalytical tech. *Fathy, A.E.*, +, *T-MTT Oct 02* 2247-2252
LiNbO₃ TW modulator, substr. modes. *Goverdhanam, K.*, *MWSYM 02* 1285-1288 vol.2
microstrip transm. layered struct. with complex media, atten. determ. *Krowne, C.M.*, *T-MTT Jan 02* 112-122
spiral inductor, SOI technol. *Kelly, D.*, +, *MWSYM 02* 541-543 vol.1
- Metallization; cf.** Integrated circuit metallization
- Metals; cf.** Aluminum
- Metal-semiconductor-metal structures**
AlGaAs HMSM photodetector, reson. cavity, short haul commun. *Xiying Chen*, +, *MWSYM 02* 1281-1284 vol.2
photodetector and photomixer ccts., convolution-based global simul. *Ameen, D.B.*, +, *T-MTT Oct 02* 2253-2258
p-i-n/HEMT and MSM/HEMT monolithic photoreceivers, high-speed, comparison. *Fay, P.*, +, *T-MTT Jan 02* 62-67
- Meteor burst communication**
HF/VHF/UHF systs. and technol., appls. *Raab, F.H.*, +, *T-MTT Mar 02* 888-899
- Meters; cf.** Radiometers; Reflectometers
- Method of lines**
method of lines anal., nonequidistant discretization. *Greda, L.A.*, +, *MWSYM 02* 1877-1880 vol.3
planar anisotropic microwave struct., method of lines model. *Pregla, R.*, *T-MTT Jun 02* 1469-1479
sapphire resonator design, high-Q, with DBR. *Piquet, O.*, +, *MWSYM 02* 1993-1996 vol.3

Method of moments

- 2D stratified medium, EM field, num. tech. *Aksun, M.I.*, +, *T-MTT May 02* 1264-1274
- 3D multilayer microstrip antennas and ccts., EM modeling. *Feng Ling*, +, *T-MTT Jun 02* 1628-1635
- adjoint sensitivity tech. for EM design optim., Yagi-Uda array and rect. patch antenna. *Georgieva, N.K.*, +, *MWSYM 02* 971-974 vol.2
- anal. of dielectric-loaded cavities using orthonormal-basis method. *Monsorriu, J.A.*, +, *T-MTT Nov 02* 2545-2552
- anisotropic stripline struct., printed apertures, dyn. model. *Lacava, J.C.D.S.*, +, *T-MTT Jan 02* 22-26
- charged plate, capacitance, MoM matrix elements. *Jen-Tsai Kuo*, +, *T-MTT May 02* 1435-1436
- corrections to "Accurate circuit model of interdigital capacitor and its application to design of new quasi-lumped miniaturized filters with suppression of harmonic resonance" (Mar 00 347-356). *Lei Zhu*, +, *T-MTT Oct 02* 2412-2413
- CPS resonator modeling, CPS-microstrip transit., bandpass filter appl. *Young-Ho Suh*, +, *T-MTT May 02* 1289-1296
- electronic packaging structs., vert. via coupling, differential signaling. *Houfei Chen*, +, *MWSYM 02* 983-986 vol.2
- EM pulse transient interact. with air layer in dielec. medium using wavelet-based implicit TDIE formulation. *Shifman, Y.*, +, *T-MTT Aug 02* 2018-2022
- field-extracted lumped-element models of CPS ccts. and discontinuities, RF design. *Lei Zhu*, +, *T-MTT Apr 02* 1207-1215
- gyrotron ideal Gaussian beams, phase retrieval, irradiance moments method. *Anderson, J.P.*, +, *T-MTT Jun 02* 1526-1535
- inhomog. loaded strictly bidirectional waveguides, freq.-domain anal., eigenfunction expansion. *Przybylski, P.*, +, *T-MTT Feb 02* 558-563
- microstrip single-layer and multilayer struct., closed-form Green's fns. *Yuehe Ge*, +, *T-MTT Jun 02* 1556-1560
- microwave waveguide filter, rect. quadruple-mode cavity. *Boutheiller, N.*, +, *MWSYM 02* 1777-1780 vol.3
- MMIC anal. problems, method of moments simul., large dense matrices, iter. soln. *Prakash, V.V.S.*, +, *MWSYM 02* 2041-2044 vol.3
- multi-fingered PHEMTs, electrothermal modeling. *Byk, E.*, +, *MWSYM 02* 2085-2088 vol.3
- multilayered aperture-coupled patch antenna, 3D EM problems full-wave anal. *Lei Yin*, +, *T-MTT Aug 02* 2011-2017
- multilayer microstrip struct. piezoelec. transducer controlled phase shifter anal. *Tae-Yeoul Yun*, +, *T-MTT Jan 02* 105-111
- OC-192/OC-768 fiber opt. ICs, global layout model, quasistatic MoM. *Huang, C.-W.P.*, +, *RFIC 02* 97-100
- PCB, RF multilayer layout, EM coupling, full-wave model. *Abdul-Gaffoor, M.R.*, +, *T-MTT Jun 02* 1445-1457
- periodic structs., RWG triangle subdomain basis fns. modif. *Simon, P.S.*, *MWSYM 02* 2029-2032 vol.3
- planar IC, lumped element, param. extraction, short-open calib. *Lei Zhu*, +, *T-MTT Aug 02* 1861-1869
- rect. conducting patches on uniaxial dielec. anisotropic substr., EM scatt. by FSS. *Campos, A.L.P.S.*, +, *T-MTT Jan 02* 72-76
- rect. dielec. resonator in MIC environ., reson. modes simul. *Yaxun Liu*, +, *MWSYM 02* 1901-1904 vol.3
- two-phase periodic composite material, particle shape effects on effective permitt., meas. *Whites, K.W.*, +, *T-MTT Jul 02* 1723-1729
- UHF microstrip amp., radiation, spectral-domain dyadic Green's fn., full-wave method. *Tzzy-Sheng Horng*, +, *T-MTT Aug 02* 2005-2010
- uniplanar MICs, monolithic and hybrid, finite-ground CPW reactive series-connected elements. *Lei Zhu*, +, *T-MTT Feb 02* 549-557
- Wilkinson power divider on low resist. Si substr., polyimide interface layer. *Papapolymerou, J.*, +, *MWSYM 02* 593-596 vol.1
- Wilkinson power divider on low resist. Si substr. with polyimide interface layer. *Papapolymerou, J.*, +, *RFIC 02* 483-486

Metropolitan area networks

- high-speed fiber optic data links, component design aspects. *Mader, T.*, *RFIC 02* 81-84

Microactuators

- Cu capacitive RF MEMS switches, low actuation volt., low cost fab. proc. *Balarman, D.*, +, *MWSYM 02* 1225-1228 vol.2
- RF MEMS capacitive switches, steady state thermal anal. and high-power reliab. considerations. *Rizk, J.B.*, +, *MWSYM 02* 239-243 vol.1
- RF-MEMS reconfigurable tuners, modeling/optim. using FDTD techs. *Bushyager, N.*, +, *MWSYM 02* 883-886 vol.2
- RF-MEMS-switches, thermal effects anal., FDTD method. *Thiel, W.*, +, *MWSYM 02* 235-238 vol.1
- SiN_x RF MEMS capacitive switches fabricated with HDICP CVD. *Chang, C.H.*, +, *MWSYM 02* 231-234 vol.1

Microactuators; cf. Electrostatic actuators**Microassembling**

- low-cost flip-chip alternatives for MM wave appls. *Heyen, J.*, +, *MWSYM 02* 2205-2208 vol.3
- polyimide film based RF MEMS capacitive switches, fab. and perform. *Ramadoss, R.*, +, *MWSYM 02* 1233-1236 vol.2

- W-band flip-chip interconnects on thin-film substr. *Schmuckle, F.J.*, +, *MWSYM 02* 1393-1396 vol.3

Microassembling; cf. Lead bonding**Microcellular radio**

- Si BiCMOS receivers for normal and micro GSM900 and DCS 1800 base stations. *Gould, P.*, +, *T-MTT Jan 02* 369-376

Microfluidics

- capacitive RF MEMS switch, gas damping model and dyn. characts. *Veijola, T.*, +, *MWSYM 02* 1213-1216 vol.2

Micromachining

- broadband antenna integrated with RF MEMS switches for wireless commun. *Cetiner, B.A.*, +, *MWSYM 02* 1333-1336 vol.2
- finite ground coplanar line-to-waveguide transit. for W-band. *Yongshik Lee*, +, *MWSYM 02* 1871-1874 vol.3
- integrated inductors in chip-to-board interconnect layer, fab. using electroplating bonding. *Yeun-Ho Joung*, +, *MWSYM 02* 1409-1412 vol.3
- layer-by-layer photonic cryst. fab. for submillimeter-wave freqs. *Gonzalo, R.*, +, *T-MTT Oct 02* 2384-2392
- optoelectronic array packaging, micromachined partially shielded microstrip interconnect. *Banerjee, S.R.*, +, *MWSYM 02* 1565-1568 vol.3
- organic wafer-level packaging platform for highly integrated RF transceivers. *Ramachandran, R.*, +, *MWSYM 02* 1401-1404 vol.3
- polysilicon differential multi-finger MEMS tunable capacitors for RFIC. *Ionis, G.V.*, +, *MWSYM 02* 345-348 vol.1
- RF MEMS & Si micromachined ccts., state-of-the-art. *Katehi, L.P.B.*, +, *T-MTT Mar 02* 858-866
- Si micromachined high-Q resonator at 5.7 GHz, design and fab. *Tavernier, C.A.*, +, *T-MTT Oct 02* 2305-2314
- Si micromachined RF MEMS resonators, fab. and perform. *Strohm, K.M.*, +, *MWSYM 02* 1209-1212 vol.2
- Si planar waveguide filter at 45 GHz based on periodic struct., design and fab. *Lenoir, B.*, +, *MWSYM 02* 1923-1926 vol.3
- V-Band 2-b and 4-b low-loss and low-voltage distributed MEMS digital phase shifter using metal-air-metal capacitors. *Kim, H.-T.*, +, *T-MTT Dec 02* 2918-2923
- vert. integrated slot-coupled micromachined filter, meas. and FEM model. *Harle, L.*, +, *T-MTT Sep 02* 2063-2068
- W-band micromachined cct. power combining/dividing networks. *Herrick, K.J.*, +, *T-MTT Jun 02* 1647-1651

Micromechanical devices

- BaSrTiO₃ high-isolation MEMS capacitive switches for K-/Ka-band appls. *Yu Liu*, +, *MWSYM 02* 227-230 vol.1
- broadband antenna integrated with RF MEMS switches for wireless commun. *Cetiner, B.A.*, +, *MWSYM 02* 1333-1336 vol.2
- digital-type RF MEMS SC in CPW config., fab. and perform. *Rizk, J.B.*, +, *MWSYM 02* 1217-1220 vol.2
- distributed CPW MEMS phase shifters on Si using tapered impedance unit cells. *Lakshminarayanan, B.*, +, *MWSYM 02* 1237-1240 vol.2
- high-Q MEMS varactors, extended tuning range and discrete-posn. designs. *Dussot, L.*, +, *MWSYM 02* 1205-1208 vol.2
- IEEE microwave symposium, conf., Seattle, WA, USA (Jun 02). *MWSYM-02* 3 vol.(lxxxii+xxiii+xxv+2272)
- Ka-band distributed MEMS phase shifter, metal-air-metal capacitor. *Hayden, J.S.*, +, *MWSYM 02* 337-340 vol.1
- MEMS-based ccts. & phase shifters, phase noise anal. *Rebeiz, G.M.*, *T-MTT May 02* 1316-1323
- microwave filter technol. develop., appls. perspective. *Hunter, I.C.*, +, *T-MTT Mar 02* 794-805
- planar ccts./MEMS, time/freq. domain modeling using EM solvers, efficiency comparisons. *Pierantoni, L.*, +, *MWSYM 02* 891-894 vol.2
- polysilicon differential multi-finger MEMS tunable capacitors for RFIC. *Ionis, G.V.*, +, *MWSYM 02* 345-348 vol.1
- quasi-opt. E-band MEMS switching array. *Zhang, W.-K.*, +, *MWSYM 02* 1531-1534 vol.3
- RF MEMS, at. layer deposition technol., long-term reliab. failures. *Hoivik, N.*, +, *MWSYM 02* 1229-1232 vol.2
- RF MEMS capacitive devices, RF power handling. *Pillans, B.*, +, *MWSYM 02* 329-332 vol.1
- RF MEMS & Si micromachined ccts., state-of-the-art. *Katehi, L.P.B.*, +, *T-MTT Mar 02* 858-866
- series MEMS switch compatible with CMOS technol., design and fab. *Yongming Cai*, +, *MWSYM 02* 1221-1224 vol.2
- switch for microwave appls., low contact resist. design. *Peroulis, D.*, +, *MWSYM 02* 223-226 vol.1
- toggle RF MEMS switch for power appls. *Schauwecker, B.*, +, *MWSYM 02* 219-222 vol.1
- V-Band 2-b and 4-b low-loss and low-voltage distributed MEMS digital phase shifter using metal-air-metal capacitors. *Kim, H.-T.*, +, *T-MTT Dec 02* 2918-2923
- V-band distributed MEMS digital phase shifter, metal-air-metal capacitor. *Hong-Teuk Kim*, +, *MWSYM 02* 341-344 vol.1
- X-band RF MEMS phase shifter, loss charact. *Tan, G.L.*, +, *MWSYM 02* 333-335 vol.1

- Micromechanical devices; cf.** Microactuators; Microfluidics; Micromechanical resonators
- Micromechanical resonators**
Si micromachined RF MEMS resonators, fab. and perform. *Strohm, K.M.*, +, *MWSYM* 02 1209-1212 vol.2
- Micro-optics**
Nd:LiNbO₃ microchip laser, RIN peak and phase noise suppression. *Csornyei, M.*, +, *MWSYM* 02 1377-1380 vol.2
NWA based on photonic techs. and act. photonic probes for on-wafer meas. *Nagatsuma, T.*, +, *MWSYM* 02 1497-1500 vol.3
- Microprocessor chips**
picosecond imaging cct. anal. of ULSI *P. Mc Manus, M.K.*, +, *MWSYM* 02 1505-1508 vol.3
- Microprocessor chips; cf.** Digital signal processing chips
- Microscopy; cf.** Scanning probe microscopy
- Microstrip**
microstrip and stripline ferrite-coupled-line (FCL) circulators. *Queck, C.K.*, +, *T-MTT Dec* 02 2910-2917
- Microstrip antenna arrays**
adjoint sensitivity tech. for EM design optim., Yagi-Uda array and rect. patch antenna. *Georgieva, N.K.*, +, *MWSYM* 02 971-974 vol.2
amplif. antenna array using patch-antenna coupler, design & meas. *Chih-Hung Tsai*, +, *T-MTT Aug* 02 1919-1926
CPW-based single-layer injection-locked act. antenna array. *Ip, K.H.Y.*, +, *T-MTT Feb* 02 481-486
EME microstrip, leaky-mode array, dispersion charact. *Ching-Kuo Wu*, +, *MWSYM* 02 1083-1086 vol.2
four-column array microstrip antenna, low-loss compact Butler matrix feed. *Bona, M.*, +, *T-MTT Sep* 02 2069-2075
GaAs MESFET amps., act. antenna sub-array. *Paji, S.*, +, *MWSYM* 02 1527-1530 vol.3
Ka-band perp.-fed patch array, spatial power combining. *Ortiz, S.*, +, *MWSYM* 02 1519-1522 vol.3
Ka-band printed dipole phased array antenna using microstrip-fed CPS tee jns. *Young-Ho Suh*, +, *MWSYM* 02 1321-1324 vol.2
MM-wave spatial power combining, cct.-fed tile-approach config. *Gouker, M.A.*, +, *T-MTT Jan* 02 17-21
multilayer spatial ang. filter with air gap tuner for microstrip patch array grating lobes suppress. *Youngju Lee*, +, *MWSYM* 02 1329-1332 vol.2
partially overlapped subarrays for MM-wave beam steerable antenna, planar implement. *Abbaspour-Tamijani, A.*, +, *MWSYM* 02 53-56 vol.1
quasi-opt. amp. array, high-power Ka-band operation. *Ortiz, S.C.*, +, *T-MTT Feb* 02 487-494
reconfigurable leaky-wave/patch microstrip aperture for phased-array appl. *Sor, J.*, +, *T-MTT Aug* 02 1877-1884
spatial power combiners, waveguide-based with hard horn feeds, array params. optim. *Ozkar, M.*, +, *MWSYM* 02 1301-1304 vol.2
varactor loaded reflectarray antenna, beam steering, phase distrib. *Boccia, L.*, +, *MWSYM* 02 69-73 vol.1
X-band integrated class-E oscillating annular ring element for high-efficiency transmitting arrays. *Hagerty, J.A.*, +, *MWSYM* 02 1317-1320 vol.2
- Microstrip antennas**
3D integrated LTCC module, BGA technol., C-band RF front-end module, WLAN. *Pinel, S.*, +, *MWSYM* 02 1553-1556 vol.3
3D multilayer microstrip antennas and ccts., EM modeling. *Feng Ling*, +, *T-MTT Jun* 02 1628-1635
act. microstrip patch antennas, PLL control. *Andrews, J.W.*, +, *T-MTT Jan* 02 201-206
direct quadrature converter, patch antenna integrat. *Ji-Yong Park*, +, *MWSYM* 02 1277-1280 vol.2
dual-freq. printed dipole rectenna, wireless power transm. *Young-Ho Suh*, +, *T-MTT Jul* 02 1784-1789
dual freq. rectenna for high efficiency wireless power transm. at 2.45 and 5.8 GHz. *Young-Ho Suh*, +, *MWSYM* 02 1297-1300 vol.2
dual-mode antenna, microwave hyperthermia, multifrequency radiometry. *Jacobsen, S.*, +, *T-MTT Jul* 02 1737-1746
lumped element FDTD model, packaging effects. *Boon Ping Koh*, +, *MWSYM* 02 1139-1142 vol.2
microstrip resonators fabricated on magnetized ferrites with arbitrarily oriented bias mag. field. *Leon, G.*, +, *T-MTT Jun* 02 1510-1519
multilayered aperture-coupled patch antenna, 3D EM problems full-wave anal. *Lei Yin*, +, *T-MTT Aug* 02 2011-2017
patch antennas using microstrip disk resonators with stubs, theoretical study. *Dmitriev, V.A.*, +, *T-MTT Jan* 02 27-29
planar ccts./MEMS, time/freq. domain modeling using EM solvers, efficiency comparisons. *Pierantoni, L.*, +, *MWSYM* 02 891-894 vol.2
self-oscillating microstrip antennas, coupled EM/nonlin. optim. *Rizzoli, V.*, +, *MWSYM* 02 123-126 vol.1
surface wave propag. in microstrip line/patch structs., FDTD method. *Semouchkina, E.*, +, *MWSYM* 02 1127-1130 vol.2
tapered balun printed dipole ref., specific absorpt. rate meas. *Richard, M.*, +, *MWSYM* 02 1743-1746 vol.3
- wireless microwave power transm., 5.8-GHz circ. polarized rectenna. *Strassner, B.*, +, *T-MTT Aug* 02 1870-1876
- Microstrip antennas; cf.** Microstrip antenna arrays
- Microstrip circuits**
3D multilayer microstrip antennas and ccts., EM modeling. *Feng Ling*, +, *T-MTT Jun* 02 1628-1635
40 GHz-band fully monolithic HEMT VCO with, one-wave length microstrip resonator. *Ikematsu, H.*, +, *MWSYM* 02 843-846 vol.2
air gap transm. lines for mm-wave appls., high perform. *Inho Jeong*, +, *MWSYM* 02 661-664 vol.2
covered microstrip line, voltage source radiation, freq. depend. charact. *Langston, W.L.*, +, *MWSYM* 02 949-952 vol.2
defected ground struct., spiral shape, equiv. cct. modeling. *Chul-Soo Kim*, +, *MWSYM* 02 2125-2128 vol.3
EM-based cct.optim. exploiting partial space mapping and exact sensitivities. *Bandler, J.W.*, +, *MWSYM* 02 2101-2104 vol.3
HTS microstrip cct. design, shunt capacitor approx., bandstop filter. *Shen Ye*, *MWSYM* 02 1979-1982 vol.3
microstrip/CPW amps., size reduction using defected ground struct. *Jong-Sik Lim*, +, *MWSYM* 02 1153-1156 vol.2
microwave amp., qtr.-wavelength bias line, defect ground struct. *Si-Gyun Jeong*, +, *MWSYM* 02 1161-1164 vol.2
microwave feedback oscillator using double-sided MIC tech. *Kawahata, K.I.*, +, *MWSYM* 02 699-702 vol.2
microwave IC modeling using concurrent complementary operators method. *Lan, K.*, +, *MWSYM* 02 887-890 vol.2
open PC transm. lines, spectral-domain anal. of leaky modes. *Mesa, F.*, +, *T-MTT Oct* 02 2267-2275
parallel line edge mode microstrip isolators, modeling/optim. *Aly, A.H.*, +, *MWSYM* 02 1479-1482 vol.3
planar IC, lumped element, param. extraction, short-open calib. *Lei Zhu*, +, *T-MTT Aug* 02 1861-1869
planar multilayer magic-T configs. using microstrip-slotline transits. *Jeong Phill Kim*, +, *T-MTT Jul* 02 1683-1688
power combining scheme, optimum efficiency under variable outputs. *Hang, C.Y.*, +, *MWSYM* 02 913-916 vol.2
UHF microstrip amp., radiation, spectral-domain dyadic Green's fn., full-wave method. *Tzzy-Sheng Horng*, +, *T-MTT Aug* 02 2005-2010
- Microstrip components**
2D photonic crysts. excited by line source, phased-array method to determ. Green's fns. *Caloz, C.*, +, *T-MTT May* 02 1380-1391
asymmetric ring-hybrid phase shifters and attenuators. *Hee-Ran Ahn*, +, *T-MTT Apr* 02 1146-1155
corrections to "Accurate circuit model of interdigital capacitor and its application to design of new quasi-lumped miniaturized filters with suppression of harmonic resonance" (Mar 00 347-356). *Lei Zhu*, +, *T-MTT Oct* 02 2412-2413
coupled-microstrip circulator, coupled-mode design. *Mazur, J.*, +, *T-MTT Jun* 02 1487-1494
dielec. resonator filter and duplexer, TM₁₁ mode. *Enokihara, A.*, +, *MWSYM* 02 1781-1784 vol.3
differentially driven symmetric microstrip inductors, config. and Si RFIC appl. *Danesh, M.*, +, *T-MTT Jan* 02 332-341
ferrite coupled line circulator, bandwidth and losses. *Cham Kiong Queck*, +, *MWSYM* 02 1475-1478 vol.3
folded coupled-line struct., anal., appl. to filter and diplexer design. *Chih-Ming Tsai*, +, *MWSYM* 02 1927-1930 vol.3
gyroelectric semicond. circulator, CPW feeder, field distrib. *Ng, Z.M.*, +, *MWSYM* 02 1189-1192 vol.2
high-Q inductors in organic substrs. for 1-3 GHz wireless appls., design. *Dalmia, S.*, +, *MWSYM* 02 1405-1408 vol.3
tunable inverted-microstrip phase shifter using NLC. *Weil, C.*, +, *MWSYM* 02 367-371 vol.1
- Microstrip components; cf.** Microstrip antennas; Microstrip circuits; Microstrip couplers; Microstrip filters; Microstrip resonators
- Microstrip couplers**
balun conversion into broadband impedance-transforming 180 hybrids. *Kian Sen Ang*, +, *T-MTT Aug* 02 1990-1995
inverted coplanar coupler, integral microstrip interface, bias crossover. *Crescenzi, E.J., Jr.*, *MWSYM* 02 1169-1172 vol.2
lattice-type LC-baluns, lumped and distributed types. *Bakalski, W.*, +, *MWSYM* 02 209-212 vol.1
- Microstrip couplers; cf.** Microstrip directional couplers
- Microstrip directional couplers**
four-column array microstrip antenna, low-loss compact Butler matrix feed. *Bona, M.*, +, *T-MTT Sep* 02 2069-2075
high-directivity microstrip directional coupler, with feedback compensation. *Jia-Liang Chen*, +, *MWSYM* 02 101-104 vol.1
miniaturized stripline-to-microstrip-line coupler design. *Rambabu, K.*, +, *MWSYM* 02 97-100 vol.1
multisection 180 hybrids based on cascaded hybrid-ring couplers. *Kian Sen Ang*, +, *T-MTT Sep* 02 2147-2152

Microstrip discontinuities

- hybrid planar NRD-guide magic-tee jn. *Cassivi, Y.*, +, *T-MTT Oct 02* 2405-2408
- multilayered aperture-coupled patch antenna, 3D EM problems full-wave anal. *Lei Yin*, +, *T-MTT Aug 02* 2011-2017
- planar IC, lumped element, param. extraction, short-open calib. *Lei Zhu*, +, *T-MTT Aug 02* 1861-1869
- right-angle bends, elec. field obs. of ps. pulse propag. by photocond. near-field probe. *Jongjoo Lee*, +, *MWSYM 02* 1509-1512 vol.3
- surface wave propag. in microstrip line/patch structs., FDTD method. *Semouchkina, E.*, +, *MWSYM 02* 1127-1130 vol.2

Microstrip filters

- circ.-disk resonator, bandpass filter, input coupling struct. *Yeo, K.S.K.*, +, *T-MTT Apr 02* 1230-1232
- coupled-line bandpass filter using defected ground struct. with wide stopband perform. *Jun-Seok Park*, +, *T-MTT Sep 02* 2037-2043
- defected ground struct. lowpass filter optimiz., equiv. cct./modeling method. *Jun-Seok Park*, +, *MWSYM 02* 417-420 vol.1
- dual-mode quasi-ellipt.-fn. bandpass filters, ring resonators, enhanced-coupling. *Lung-Hwa Hsieh*, +, *T-MTT May 02* 1340-1345
- elec.-mag.-elec. slow-wave microstrip line/bandpass filter. *Ching-Kuo Wu*, +, *T-MTT Aug 02* 1996-2004
- EM-based cct.optim. exploiting partial space mapping and exact sensitivities. *Bandler, J.W.*, +, *MWSYM 02* 2101-2104 vol.3
- folded coupled-line struct., anal., appl. to filter and diplexer design. *Chih-Ming Tsai*, +, *MWSYM 02* 1927-1930 vol.3
- folded dual-mode HTS microstrip resonator/band pass filter. *Raihn, K.F.*, +, *MWSYM 02* 1959-1962 vol.3
- folded qtr.-wave resonator filters. *Chi-Yang Chang*, +, *MWSYM 02* 1609-1612 vol.3
- HTS microstrip cct. design, shunt capacitor approx., bandstop filter. *Shen Ye*, *MWSYM 02* 1979-1982 vol.3
- interdigital filters, optim. by CAD applying coupling ident. method. *Saboureau, C.*, +, *MWSYM 02* 2089-2092 vol.3
- low-pass filter, broadband spurious suppression. *Moon-Que Lee*, +, *MWSYM 02* 1797-1800 vol.3
- method of lines anal., nonequidistant discretization. *Greda, L.A.*, +, *MWSYM 02* 1877-1880 vol.3
- microwave filters, survey of design techs. *Levy, R.*, +, *T-MTT Mar 02* 783-793
- multilayer and anisotropic planar compact PBG struct. for microstrip appls. *Caloz, C.*, +, *T-MTT Sep 02* 2206-2208
- narrow-band band-pass microstrip filters with zig-zag hairpin-comb resonators. *Matthaei, G.L.*, *MWSYM 02* 1931-1934 vol.3
- nonuniform transm. lines, wide-band equal-ripple filters. *Da-Chiang Chang*, +, *T-MTT Apr 02* 1114-1119
- open loop resonator filter, ground plane aperture. *Serksoon Im*, +, *MWSYM 02* 1801-1804 vol.3
- planar ccts./MEMS, time/freq. domain modeling using EM solvers, efficiency comparisons. *Pierantoni, L.*, +, *MWSYM 02* 891-894 vol.2
- ring resonators, closed/open-loop, equiv. lumped elements/unloaded Q values. *Lung-Hwa Hsieh*, +, *T-MTT Feb 02* 453-460
- slow-wave bandpass filters, ring and stepped-impedance hairpin resonators. *Lung-Hwa Hsieh*, +, *T-MTT Jul 02* 1795-1800
- wide-band electronically tunable combline filter design. *Torregrosa-Penvalva, G.*, +, *T-MTT Jan 02* 172-177
- wireless microwave power transm., 5.8-GHz circ. polarized rectenna. *Strassner, B.*, +, *T-MTT Aug 02* 1870-1876
- X-band microstrip bandpass filter using photoimageable thick-film materials. *Ng, C.Y.*, +, *MWSYM 02* 2209-2212 vol.3
- YBaCuO HTSC microwave filters, tuning by laser trimming. *Parker, N.J.*, +, *MWSYM 02* 1971-1974 vol.3

Microstrip lines

- 2D Green's fns., Berenger/leaky modes series. *Rogier, H.*, +, *T-MTT Jul 02* 1696-1704
- atten. in microstrip transm. layered struct. with complex media, determ. *Krowne, C.M.*, *T-MTT Jan 02* 112-122
- CMOS microstrip transm. line struct., eddy current suppression. *Peter, M.*, +, *MWSYM 02* 2001-2004 vol.3
- covered microstrip line, voltage source radiation, freq. depend. charact. *Langston, W.L.*, +, *MWSYM 02* 949-952 vol.2
- cylindrical transm. line, magnetized ferrite substr., dispersion anal. *Dib, N.*, +, *T-MTT Jul 02* 1730-1736
- danger of high-frequency spurious effects on wide microstrip line. *Mesa, F.*, +, *T-MTT Dec 02* 2679-2689
- defected ground struct., spiral shape, equiv. cct. modeling. *Chul-Soo Kim*, +, *MWSYM 02* 2125-2128 vol.3
- dual-frequency electric-magnetic-electric microstrip leaky-mode antenna of single fan beam. *Chen, Y.C.*, +, *T-MTT Dec 02* 2713-2720
- elec.-mag.-elec. slow-wave microstrip line/bandpass filter. *Ching-Kuo Wu*, +, *T-MTT Aug 02* 1996-2004
- ferrite-loaded microstrip lines/slot lines, leaky forward vol. MSW propag. *Marques, R.*, +, *T-MTT Aug 02* 1935-1941

- first higher order microstrip mode, charact. impedance and propag. in freq. and time domain. *Shyue-Dar Chen*, +, *T-MTT May 02* 1370-1379
- full-wave 2D ADI-FDTD method for anal. of arbitrary waveguiding struct., stabil. condition. *Changning Ma*, +, *MWSYM 02* 2049-2052 vol.3
- grounded dielec. slab, thick/lossy, complete pole location. *Swee-Ann Teo*, +, *T-MTT Feb 02* 440-445
- ground plane photonic bandgap microstrip waveguide, EM radiation. *Shino, N.*, +, *MWSYM 02* 1079-1082 vol.2
- hierarchical multilevel pot. preconditioner for fast FEM. *Yu Zhu*, +, *T-MTT Aug 02* 1984-1989
- leaky modes on PC lines, evol. *Mesa, F.*, +, *T-MTT Jan 02* 94-104
- microwave variable delay line with liq. cryst. impregnated membrane. *Kuki, T.*, +, *MWSYM 02* 363-366 vol.1
- multilayer and anisotropic planar compact PBG struct. for microstrip appls. *Caloz, C.*, +, *T-MTT Sep 02* 2206-2208
- multilayered PC transm. lines, leakage anal., discrete complex-images tech. *Bernal, J.*, +, *T-MTT Aug 02* 1895-1900
- multilayer microstrip struct. piezoelec. transducer controlled phase shifter anal. *Tae-Yeoul Yun*, +, *T-MTT Jan 02* 105-111
- narrow-band matching networks for quasi-TEM coupled microstrip lines. *Nickel, J.G.*, +, *T-MTT May 02* 1392-1399
- open PC transm. lines, spectral-domain anal. of leaky modes. *Mesa, F.*, +, *T-MTT Oct 02* 2267-2275
- optoelectronic array packaging, micromachined partially shielded microstrip interconnect. *Banerjee, S.R.*, +, *MWSYM 02* 1565-1568 vol.3
- photonic bandgap sandwich struct., forbidden microwave transm. *Yunbo Pang*, +, *MWSYM 02* 1157-1160 vol.2
- planar Marchand balun, capacitively-compensated, anal./design. *Ng, C.Y.*, +, *MWSYM 02* 113-116 vol.1
- planar microwave baluns with three symmetric coupled lines, low-loss, anal./design. *Jong-Wook Lee*, +, *MWSYM 02* 117-121 vol.1
- PML-like ABCs for layered media transm. line termination, two cell microstrip transm. line. *Lauer, A.*, +, *MWSYM 02* 739-742 vol.2
- reconfigurable quasi-fractal transm. line struct. *Sor, J.*, +, *MWSYM 02* 665-668 vol.2
- Si 3D-MMIC, polyimide layer, microstrip line coupling. *Ponchak, G.E.*, +, *MWSYM 02* 2221-2224 vol.3
- single-layer and multilayer struct., closed-form Green's fns. *Yuehe Ge*, +, *T-MTT Jun 02* 1556-1560
- Si wafer, substr. loss, microstrip and CPW transm. lines. *Lederer, D.*, +, *MWSYM 02* 685-688 vol.2
- surface wave propag., FDTD method. *Semouchkina, E.*, +, *MWSYM 02* 1127-1130 vol.2
- symmetric coupled-microstrip sys., longit. multiconductor transm. line fns. investig. *Nickel, J.G.*, +, *T-MTT Jan 02* 183-190
- wide microstrip line, HF spurious effects. *Mesa, F.*, +, *MWSYM 02* 945-948 vol.2
- Y-type hexaferrite substr. *Hoton How*, +, *T-MTT May 02* 1280-1288

Microstrip lines; cf. Microstrip discontinuities; Microstrip transitions

Microstrip resonators

- 40 GHz-band fully monolithic HEMT VCO with, one-wave length microstrip resonator. *Ikematsu, H.*, +, *MWSYM 02* 843-846 vol.2
- ceramic substr. material charactn. at microwave freqs., semianalytical tech. *Fathy, A.E.*, +, *T-MTT Oct 02* 2247-2252
- circ.-disk resonator, bandpass filter, input coupling struct. *Yeo, K.S.K.*, +, *T-MTT Apr 02* 1230-1232
- dual-mode quasi-ellipt.-fn. bandpass filters, ring resonators, enhanced-coupling. *Lung-Hwa Hsieh*, +, *T-MTT May 02* 1340-1345
- folded dual-mode HTS microstrip resonator/band pass filter. *Raihn, K.F.*, +, *MWSYM 02* 1959-1962 vol.3
- magnetized ferrites with arbitrarily oriented bias mag. field. *Leon, G.*, +, *T-MTT Jun 02* 1510-1519
- narrow-band band-pass microstrip filters with zig-zag hairpin-comb resonators. *Matthaei, G.L.*, *MWSYM 02* 1931-1934 vol.3
- open loop resonator filter, ground plane aperture. *Serksoon Im*, +, *MWSYM 02* 1801-1804 vol.3
- patch antennas using microstrip disk resonators with stubs, theoretical study. *Dmitriev, V.A.*, +, *T-MTT Jan 02* 27-29
- ring resonators, closed/open-loop, equiv. lumped elements/unloaded Q values. *Lung-Hwa Hsieh*, +, *T-MTT Feb 02* 453-460
- slow-wave bandpass filters, ring and stepped-impedance hairpin resonators. *Lung-Hwa Hsieh*, +, *T-MTT Jul 02* 1795-1800
- sub-harmonically pumped mixer MMIC integrated with an image rejection filter, 60-GHz. *Yamada, A.*, +, *MWSYM 02* 1733-1736 vol.3

Microstrip transitions

- hybrid planar NRD-guide magic-tee jn. *Cassivi, Y.*, +, *T-MTT Oct 02* 2405-2408
- microstrip to dielec.-filled rect. waveguide transit., surface mounting. *Sano, K.*, +, *MWSYM 02* 813-816 vol.2
- MM-wave perp. coax-to-microstrip right-angle transit. *Morgan, M.*, +, *MWSYM 02* 817-820 vol.2
- planar multilayer magic-T configs. using microstrip-slotline transits. *Jeong Phill Kim*, +, *T-MTT Jul 02* 1683-1688

Microwave amplifiers

- act. nonlin. microwave ccts., finite-element time-domain soln. using PMLs. *Hsiao-Ping Tsai*, +, *T-MTT Oct 02* 2226-2232
- amplif. antenna array using patch-antenna coupler, design & meas. *Chih-Hung Tsai*, +, *T-MTT Aug 02* 1919-1926
- corrections to "Improvement of third-order intermodulation product of RF and microwave amplifiers by injection" (Jun 01 1148-1154). *Aitchison, C.S.*, +, *T-MTT Jan 02* 229
- cryogenic LNA, DC power consumption. *Angelov, L.*, +, *T-MTT Jun 02* 1480-1486
- device develop., early hist. *Mimura, T.*, *T-MTT Mar 02* 780-782
- feedforward amp., error sig. reuse. *Khanifar, A.*, +, *MWSYM 02* 473-475 vol.1
- filter synthesis technique applied to design of multistage broad-band microwave amplifiers. *Rooney, J.-P.*, +, *T-MTT Dec 02* 2947-2953
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- microstrip/CPW amps., size reduction using defected ground struct. *Jong-Sik Lim*, +, *MWSYM 02* 1153-1156 vol.2
- multi-layer transformer balun for Si RFIC, LNA appl. *Yang, H.Y.D.*, +, *RFIC 02* 491-494
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Microwave amplifiers; cf. Masers; Microwave parametric amplifiers; Microwave power amplifiers; MMIC amplifiers

Microwave antenna arrays

- circ. polarized rectifying antenna array, wireless microwave power transm. *Strassner, B.*, +, *MWSYM 02* 1535-1538 vol.3
- concrete struct., damage detect., microwave refl. tomography array. *Yoo Jin Kim*, +, *MWSYM 02* 651-654 vol.2
- HEMT voltage controlled bi-directional amps. in support of component reuse for large aperture phase array. *Yang, J.M.*, +, *MWSYM 02* 65-68 vol.1
- integrated antenna array, transparent conductive thin film. *Oshima, K.*, +, *MWSYM 02* 1569-1572 vol.3
- K-band beam-steering quasi-Yagi array, mixing freq. compensation. *Nishio, T.*, +, *MWSYM 02* 1345-1348 vol.2
- multilayer microstrip struct. piezoelec. transducer controlled phase shifter anal. *Tae-Yeoul Yun*, +, *T-MTT Jan 02* 105-111
- phased-array antenna transmit/receive modules, microwave fn., perform., cost. *Kopp, B.A.*, +, *T-MTT Mar 02* 827-834
- receiving-mode multibeam antenna array, opt. BFN. *Shibata, O.*, +, *T-MTT May 02* 1425-1430
- review of act. integrated antenna technols. *Chang, K.*, +, *T-MTT Mar 02* 937-944
- RF MEMS & Si micromachined ccts., state-of-the-art. *Katehi, L.P.B.*, +, *T-MTT Mar 02* 858-866
- satellite commun., act. phased array antenna. *Soon Ik Jeon*, +, *MWSYM 02* 1341-1343 vol.2
- satellite commun., X-band APAA syst., T/R module. *Young-Bae Jung*, +, *MWSYM 02* 1337-1340 vol.2
- smart antenna receiver array using single RF channel and digital beamforming. *Fredrick, J.D.*, +, *MWSYM 02* 311-314 vol.1
- smart antennas, digital beamforming/calib. using real-time FPGA proc. *Nuteson, T.W.*, +, *MWSYM 02* 307-310 vol.1
- smart antenna syst. implement. based on digital beam-forming and software radio technols. *Wu, J.*, +, *MWSYM 02* 323-326 vol.1
- X-band on-chip radar receiver front-end for adaptive smart skin array antennas. *Malmqvist, R.*, +, *MWSYM 02* 1431-1434 vol.3

Microwave antenna arrays; cf. Waveguide antenna arrays

Microwave antennas

- microwave HTSC technol., appls. overview. *Mansour, R.R.*, *T-MTT Mar 02* 750-759

Microwave antennas; cf. Lens antennas; Microwave antenna arrays; Waveguide antennas

Microwave bipolar transistors

- AlGaAs/GaAs HBTs, microwave noise sources, scatt. params. *Sakalas, P.*, +, *MWSYM 02* 2117-2120 vol.3
- GaInP/GaAs HBT, on-wafer deembedding tech. *Bousnina, S.*, +, *T-MTT Feb 02* 420-424
- GaInP/GaAs microwave HBT small-sig. model, direct param.-extraction method. *Bousnina, S.*, +, *T-MTT Feb 02* 529-536
- HBT extrinsic base-collector capacitance derived from S-param. meas. *Wasige, E.*, +, *MWSYM 02* 733-736 vol.2
- HBT lin. model params., direct extraction method. *Ouslimani, A.*, +, *T-MTT Jan 02* 218-221
- HBT, -topol. equiv. ccts., transit-time effects. *Rudolph, M.*, +, *MWSYM 02* 997-1000 vol.2
- InGaP/GaAs HBT, large-sig. modeling, high-current effects charactn. *Shirokov, M.S.*, +, *T-MTT Apr 02* 1084-1094

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- SiGe HBTs, reduced press. CVD, RF perform. tradeoffs. *Bongki Mheen*, +, *MWSYM 02* 413-416 vol.1
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- SiGe RF HBT technol., LF noise figs.-of-merit. *Jin Tang*, +, *MWSYM 02* 179-182 vol.1
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- SiGe/Si power HBTs, X- to K-band appls. *Mohammadi, S.*, +, *MWSYM 02* 289-292 vol.1
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- computer-aided tuning of microwave filters using fuzzy logic. *Mirafteb, V.*, +, *T-MTT Dec 02* 2781-2788
- constrained EM-based modeling of pass. components, adaptive algm. *Dhaene, T.*, +, *MWSYM 02* 2113-2116 vol.3
- EM-based cct.optim. exploiting partial space mapping and exact sensitivities. *Bandler, J.W.*, +, *MWSYM 02* 2101-2104 vol.3
- extended FDTD tech. includ. pass. and act. elements, stabil. anal. *Thiel, W.*, +, *T-MTT Sep 02* 2159-2165
- filter synthesis technique applied to design of multistage broad-band microwave amplifiers. *Rooney, J.-P.*, +, *T-MTT Dec 02* 2947-2953
- global coupled EM-electrical-thermal simulation and experimental validation for spatial power combining MMIC array. *Batty, W.*, +, *T-MTT Dec 02* 2820-2833
- implicit space mapping EM-based modeling and design of microwave ccts. *Bandler, J.W.*, +, *MWSYM 02* 713-716 vol.2
- line-segment ccts., evol. generation by GA. *Nishino, T.*, +, *T-MTT Sep 02* 2048-2055
- MEMS-based ccts. & phase shifters, phase noise anal. *Rebeiz, G.M.*, *T-MTT May 02* 1316-1323
- microwave struct., fast finite-element-based field optimizer using anal. calc. gradients. *Harscher, P.*, +, *T-MTT Feb 02* 433-439
- multilayer organic syst. on package integrated pass., RF-microwave multi-band design solns. *Davis, M.F.*, +, *MWSYM 02* 2217-2220 vol.3
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- neural-based dynamic modeling of nonlinear microwave circuits. *Xu, J.*, +, *T-MTT Dec 02* 2769-2780
- nonlin. microwave circuit, dynamic neural network model. *Jianjun Xu*, +, *MWSYM 02* 1101-1104 vol.2
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- Microwave circuits; cf.** Microwave integrated circuits
- Microwave circulators**
- coupled-resonators cavity group-delay equalizer design. *Heng-Tung Hsu*, +, *T-MTT Aug 02* 1960-1968

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- 50th Anniversary issue (special issue intro.). *Young, L.*, *T-MTT Mar 02 592-593*
- Microwave detectors**
- buried targets, microwave radar underground propag. and detect. appls. *Carin, L.*, +, *T-MTT Mar 02 945-952*
- complex permitt. meas., microwave planar reson. sens. *Fratticcioli, E.*, +, *MWSYM 02 647-650 vol.2*
- Doppler speed sens. syst. using sig. proc. approach. *Weber, N.*, +, *MWSYM 02 2233-2235 vol.3*
- GaAs thermoelec. microwave power sens., broadband/MMIC compatible, using std. foundry proc. *Dehe, A.*, +, *MWSYM 02 1829-1832 vol.3*
- integrated microwave sens., cavity length meas. *Megej, A.*, +, *MWSYM 02 643-646 vol.2*
- MIC super regenerative detector, 7.5 GHz, perform. study. *Buchanan, N.B.*, +, *T-MTT Sep 02 2198-2202*
- vector meas. of filter using power detector, RF and baseband sig. paths. *Vasudev, N.*, +, *T-MTT Sep 02 2083-2089*
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- act. device charactn., source refl. coeff. meas. tech. *Madonna, G.*, +, *T-MTT Feb 02 564-569*
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- hierarchical multilevel pot. preconditioner for fast FEM. *Yu Zhu*, +, *T-MTT Aug 02 1984-1989*
- high-Q MEMS varactors, extended tuning range and discrete-posn. designs. *Dussopt, L.*, +, *MWSYM 02 1205-1208 vol.2*
- microwave variable delay line using dual-frequency switching-mode liquid crystal. *Kuki, T.*, +, *T-MTT Nov 02 2604-2609*
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- novel coupling schemes for microwave resonator filters. *Rosenberg, U.*, +, *T-MTT Dec 02 2896-2902*
- optim., EM scatt., 2D p-adaptive FEM. *Gavrilovic, M.M.*, +, *T-MTT Aug 02 1901-1911*
- Si micromachined high-Q resonator at 5.7 GHz, design and fab. *Tavernier, C.A.*, +, *T-MTT Oct 02 2305-2314*
- Si micromachined RF MEMS resonators, fab. and perform. *Strohm, K.M.*, +, *MWSYM 02 1209-1212 vol.2*
- spiral inductors embedded on MCM-L organic substrs. for syst.-on-package appls. *Lee, S.H.*, +, *MWSYM 02 2229-2232 vol.3*
- surface-mounted RF components, meas. based closed-form modeling. *Naishadham, K.*, +, *T-MTT Oct 02 2276-2286*
- Microwave devices; cf.** Acoustic microwave devices; Magnetic microwave devices; Microwave amplifiers; Microwave antennas; Microwave circuits; Microwave circulators; Microwave detectors; Microwave diodes; Microwave filters; Microwave limiters; Microwave mixers; Microwave oscillators; Microwave phase shifters; Microwave receivers; Microwave switches; Microwave transistors; Microwave tubes; Superconducting microwave devices
- Microwave diodes**
- microwave/RF education, past/present/future. *Gupta, K.C.*, +, *T-MTT Mar 02 1006-1014*
- microwave solid-state act. devices. *Haddad, G.I.*, +, *T-MTT Mar 02 760-779*
- Schottky diodes, packaged, nonlin. lumped network-FDTD model. *El Mrabet, O.*, +, *T-MTT Oct 02 2411-2412*
- technol. develop./appl., milestones. *Sobol, H.*, +, *T-MTT Mar 02 594-611*
- vector corrected noise temp. meas., one-port tech. *Weatherspoon, M.H.*, +, *MWSYM 02 2253-2256 vol.3*
- Microwave field effect transistors**
- AlGaAs/InGaAs doped-channel power FETs, low-k BCB bridged proc. *Hsien-Chin Chiu*, +, *MWSYM 02 521-524 vol.1*
- AlGaAs/InGaAs high lin. power HFETs using low-k BCB bridged and passivated proc. *Hsien-Chin Chiu*, +, *RFIC 02 411-414*
- AlGaIn/GaN HEMTs, intrinsic noise charact. *Sungjae Lee*, +, *MWSYM 02 1415-1418 vol.3*
- AlGaIn/GaN microwave power HEMTs on 4" Si wafers, charact. *Manohar, S.*, +, *MWSYM 02 449-452 vol.1*
- AlGaIn/GaN power HEMTs, RF perform./thermal anal., self-heating effects. *Nuttinck, S.*, +, *MWSYM 02 921-924 vol.2*
- AlGaIn/GaN power HEMT using surface-charge-controlled struct., microwave appls. *Kikkawa, T.*, +, *MWSYM 02 1815-1818 vol.3*
- AlGaIn/GaN wide-bandgap microwave HEMTs, trapping effects. *Binari, S.C.*, +, *MWSYM 02 1823-1826 vol.3*
- Al_xGa_{1-x}N/GaN HEMTs for microwave/RF control appls. *Drozdzowski, N.V.*, +, *T-MTT Jan 02 4-8*
- device develop., early hist. *Mimura, T.*, *T-MTT Mar 02 780-782*
- drain current I-V model for microwave MESFET, effective gate-source voltage. *Ban-Leong Ooi*, +, *T-MTT Apr 02 1188-1192*
- dyn. behavior, bias/temp./freq. depend. *Parker, A.E.*, +, *MWSYM 02 993-996 vol.2*
- enhancement-mode power pHEMT model. *Ce-Jun Wei*, +, *T-MTT Jan 02 57-61*
- GaAs C-band HFET, 27 W, high efficiency and reliab. for space appls. *Minamide, H.*, +, *MWSYM 02 621-623 vol.2*
- GaAs MESFETs, photonic capacitance model, on-wafer scatt. param. meas. *Navarro, C.*, +, *T-MTT Apr 02 1193-1197*
- GaN MESFET nonlinearities, large-sig. model, Volterra series. *Islam, S.S.*, +, *RFIC 02 351-354*
- GaN wide-bandgap microwave MESFETs, trapping effects. *Binari, S.C.*, +, *MWSYM 02 1823-1826 vol.3*
- InGaP PHEMTs for 3.5 GHz W-CDMA appls. *Lan, E.*, +, *MWSYM 02 1039-1042 vol.2*
- large-sig. PHEMT/MESFET model incl. DC/RF dispersion. *Wei, C.J.*, +, *MWSYM 02 2133-2136 vol.3*
- LD MOSFETs, RF electro-thermal modeling, power-amp. design appl. *Akhtar, S.*, +, *T-MTT Jun 02 1561-1570*
- LNA, technol./perform. evol. *Whelehan, J.J.*, *T-MTT Mar 02 806-813*
- MESFET, act. microwave device, global model. *Hussein, Y.A.*, +, *MWSYM 02 743-746 vol.2*
- MOSFET, nonlin. model based on DC/small-sig. S param. meas. *Romdane, H.*, +, *RFIC 02 487-489*
- MOSFET, S-param. kink phenom., small-sig. substr. resist. effect. *Yo-Sheng Lin*, +, *MWSYM 02 161-164 vol.1*
- multi-fingered PHEMTs, electrothermal modeling. *Byk, E.*, +, *MWSYM 02 2085-2088 vol.3*
- NMOS and PMOS transistors, 1/f noise and VCO design implications. *O, K.K.*, +, *RFIC 02 59-62*
- nonlin. AC FET model, extraction using small-sig. S-params. *Vuolevi, J.H.K.*, +, *T-MTT May 02 1311-1315*
- nonlin. microwave device model param. estim. method based on vectorial large-sig. meas. *Schreurs, D.M.M.-P.*, +, *T-MTT Oct 02 2315-2319*
- PHEMT IMD prediction using nonlin. discrete convolution model. *Costantini, A.*, +, *MWSYM 02 857-860 vol.2*
- PHEMT, neural model, training data. *Joodaki, M.*, +, *MWSYM 02 1105-1108 vol.2*
- PHEMT, quasi-enhancement-mode, large-sig. model. *Shih-Cheng Yang*, +, *MWSYM 02 2153-2156 vol.3*
- power MESFETs, direct obs. of loadlines using av. RF gate and drain currents. *Meng, C.C.*, +, *MWSYM 02 2161-2164 vol.3*
- RF power LDMOS devices, electrothermal BSIM3 model. *Tomblad, O.*, +, *MWSYM 02 861-864 vol.2*
- Schottky jn. transistors for micropower RFICs. *Spann, J.*, +, *RFIC 02 423-426*
- SiC wide-bandgap microwave MESFETs, trapping effects. *Binari, S.C.*, +, *MWSYM 02 1823-1826 vol.3*
- small-sig. equiv. cct. model for RF-MOSFETs valid up to cut-off freq. *Kawano, H.*, +, *MWSYM 02 2121-2124 vol.3*
- small-sig. microwave MOSFET model, param.-extraction method. *Ickjin Kwon*, +, *T-MTT Jun 02 1503-1509*
- Microwave filters**
- act. MMIC filter for on-chip X-band radar receiver front-ends. *Malmqvist, R.*, +, *MWSYM 02 1907-1910 vol.3*
- BAW resonators/filters, appls. above 2 GHz. *Lakin, K.M.*, +, *MWSYM 02 1487-1490 vol.3*
- cascaded quintuplet filter structs., direct synthesis using lowpass prototype. *Reeves, T.*, +, *MWSYM 02 1441-1444 vol.3*
- combine-type filters, ANN and EM based models for excitation loops. *Borji, A.*, +, *MWSYM 02 2105-2108 vol.3*
- computer-aided tuning of microwave filters using fuzzy logic. *Mirafteb, V.*, +, *T-MTT Dec 02 2781-2788*
- computer-aided tuning using fuzzy logic. *Mirafteb, V.*, +, *MWSYM 02 1117-1120 vol.2*
- corrections to "Accurate circuit model of interdigital capacitor and its application to design of new quasi-lumped miniaturized filters with suppression of harmonic resonance" (Mar 00 347-356). *Lei Zhu*, +, *T-MTT Oct 02 2412-2413*
- coupled Pade approx.-FEM appl. to microwave device design. *Thon, B.*, +, *MWSYM 02 1889-1892 vol.3*
- coupling schemes for microwave resonator filters. *Rosenberg, U.*, +, *MWSYM 02 1605-1608 vol.3*

- DC-blocking parallel-cascaded cymbal bandpass filter. *Strassner, B.*, +, *T-MTT May 02* 1431-1432
- dual-mode quasi-ellipt.-fn. bandpass filters, ring resonators, enhanced-coupling. *Lung-Hwa Hsieh*, +, *T-MTT May 02* 1340-1345
- dual mode TE_{11n} cavity filter with trifurcated iris and reduced footprint. *Ming Yu*, +, *MWSYM 02* 1457-1460 vol.3
- EM-based cct.optim. exploiting partial space mapping and exact sensitivities. *Bandler, J.W.*, +, *MWSYM 02* 2101-2104 vol.3
- EM-based optimization exploiting partial space mapping and exact sensitivities. *Bandler, J.W.*, +, *T-MTT Dec 02* 2741-2750
- EM-simulator based param. extraction/optimiz. *Harscher, P.*, +, *MWSYM 02* 1113-1116 vol.2
- folded waveguide filters with cross couplings, design procedure. *Kochbach, J.*, +, *MWSYM 02* 1449-1452 vol.3
- IEEE microwave symposium, conf., Seattle, WA, USA (Jun 02). *MWSYM-02* 3 vol.(lxxxii+xxiii+xxv+2272)
- inline prototype filters, cascaded triplet/quadruplet sects. *Macchiarella, G.*, *T-MTT Jul 02* 1779-1783
- interdigital filters, optim. by CAD applying coupling ident. method. *Saboureau, C.*, +, *MWSYM 02* 2089-2092 vol.3
- interdigital hairpin bandpass filter, design using model of coupled slots. *Deleniv, A.N.*, +, *T-MTT Sep 02* 2153-2158
- manifold MUX design, appl. of spurious mode compensation tech. *Barbant, D.*, +, *MWSYM 02* 1461-1464 vol.3
- method of lines anal., nonequidistant discretization. *Greda, L.A.*, +, *MWSYM 02* 1877-1880 vol.3
- microwave filter technol. develop., appls. perspective. *Hunter, I.C.*, +, *T-MTT Mar 02* 794-805
- microwave HTSC technol., appls. overview. *Mansour, R.R.*, *T-MTT Mar 02* 750-759
- microwave line-segment ccts., evol. generation by GA. *Nishino, T.*, +, *T-MTT Sep 02* 2048-2055
- multilayer and anisotropic planar compact PBG struct. for microstrip appls. *Caloz, C.*, +, *T-MTT Sep 02* 2206-2208
- multilayer organic syst. on package integrated pass., RF-microwave multi-band design solns. *Davis, M.F.*, +, *MWSYM 02* 2217-2220 vol.3
- multilayer spatial ang. filter with air gap tuner for microstrip patch array grating lobes suppress. *Youngju Lee*, +, *MWSYM 02* 1329-1332 vol.2
- narrow-band band-pass microstrip filters with zig-zag hairpin-comb resonators. *Matthaei, G.L.*, *MWSYM 02* 1931-1934 vol.3
- nonuniform transm. lines, wide-band equal-ripple filters. *Da-Chiang Chang*, +, *T-MTT Apr 02* 1114-1119
- planar act. filters in GaAs and SiGe technols. *Bazzi, H.*, +, *MWSYM 02* 421-424 vol.1
- planar filter, design optimization. *Peik, S.F.*, +, *MWSYM 02* 1109-1112 vol.2
- planar filter design using 0 feed struct., lumped-cct. model. *Chih-Ming Tsai*, +, *T-MTT Oct 02* 2362-2367
- rect. waveguide filters, integral eqn./boundary integral-reson. mode expansion method anal. *Boria, V.E.*, +, *MWSYM 02* 393-396 vol.1
- rect. waveguide stepped-impedance resonator filters, stopband perform. *Morelli, M.*, +, *T-MTT Jul 02* 1657-1664
- reentrant wide-band directional filter, TW reson., matched filter appls. *Petrovich Gorbachev, A.*, *T-MTT Aug 02* 2028-2031
- resonator filters, synthesis without diagonal cross-couplings. *Cameron, R.J.*, +, *MWSYM 02* 1437-1440 vol.3
- RF struct. optim., multiresolution time-domain adaptive schemes using arbitrary wavelet resols. *Tentzeris, E.M.*, +, *T-MTT Feb 02* 501-516
- SiGe BiCMOS technol. for X-band/LMDS microwave appls. *Subbanna, S.*, +, *MWSYM 02* 401-404 vol.1
- slotted strip iris harmonic rejection filters. *Kirilenko, A.*, +, *MWSYM 02* 373-376 vol.1
- survey of design techs. *Levy, R.*, +, *T-MTT Mar 02* 783-793
- symmetric coupled-resonator filters, param. extraction procedure. *Heng-Tung Hsu*, +, *MWSYM 02* 1445-1448 vol.3
- synthesis of advanced microwave filters without diagonal cross-couplings. *Cameron, R.J.*, +, *T-MTT Dec 02* 2862-2872
- tunable microwave ccts., piezoelec.-transducer-controlled. *Tae-Yeoul Yun*, +, *T-MTT May 02* 1303-1310
- vert. integrated slot-coupled micromachined filter, meas. and FEM model. *Harle, L.*, +, *T-MTT Sep 02* 2063-2068
- X-band microstrip bandpass filter using photoimageable thick-film materials. *Ng, C.Y.*, +, *MWSYM 02* 2209-2212 vol.3
- YBaCuO HTSC microwave filters, tuning by laser trimming. *Parker, N.J.*, +, *MWSYM 02* 1971-1974 vol.3
- Microwave frequency convertors**
- satellite transponder, Ku-band receiver/downconverter. *Jin-Cheol Jeong*, +, *MWSYM 02* 1257-1260 vol.2
- variable order analog freq. divider design, nonlin. dyn. concepts. *Ramirez, F.*, +, *MWSYM 02* 127-130 vol.1
- Microwave generation**
- IEEE microwave symposium, conf., Seattle, WA, USA (Jun 02). *MWSYM-02* 3 vol.(lxxxii+xxiii+xxv+2272)
- RF vac. electronics, hist. & recent advances. *Parker, R.K.*, +, *T-MTT Mar 02* 835-845
- Microwave heating**
- dual-mode antenna, microwave hyperthermia, multifrequency radiometry. *Jacobsen, S.*, +, *T-MTT Jul 02* 1737-1746
- indust. microwave power appls., food indust., comfort heating and power transms. *Osepchuk, J.M.*, *T-MTT Mar 02* 975-985
- modeling of planar applicators for microwave thermotherapy. *Carlier, J.*, +, *T-MTT Dec 02* 3036-3042
- oven, heating proc. modeling, heat radiation effects. *Haala, J.*, +, *T-MTT May 02* 1346-1354
- planar annular applicators, microwave thermotherapy. *Carlier, J.*, +, *MWSYM 02* 1771-1774 vol.3
- Microwave holography**
- beam shaping of radiowaves using holograms, CATR appl. *Meltaus, J.*, +, *MWSYM 02* 1305-1308 vol.2
- GaAs Schottky diode, spatial power dividing/combining freq. doubler. *Schumann, B.*, +, *MWSYM 02* 1539-1542 vol.3
- Microwave imaging**
- 2D image reconstruction algm. based on FDTD/design sensitivity anal. *No-Weon Kang*, +, *MWSYM 02* 1143-1146 vol.2
- 3D scalar microwave image reconstruction algm. *Meaney, P.M.*, +, *MWSYM 02* 2269-2272 vol.3
- act. microwave imaging, 2D forward and inverse scatt. methods, breast tumor detect. appl. *Qing Huo Liu*, +, *T-MTT Jan 02* 123-133
- airborne dual-channel microwave radiometers, on-board accurate calib. *Corbella, I.*, +, *T-MTT Jul 02* 1816-1820
- biological tissues, temp. distrib. profile, multifreq. microwave thermography. *Stec, B.*, +, *MWSYM 02* 2261-2264 vol.3
- biomedical imaging, multiplicative regularized contrast source inversion method. *Abubakar, A.*, +, *T-MTT Jul 02* 1761-1771
- breast tumor detect., confocal microwave imaging, hemispherical breast model. *Fear, E.C.*, +, *MWSYM 02* 1759-1762 vol.3
- concrete struct., damage detect., microwave refl. tomography array. *Yoo Jin Kim*, +, *MWSYM 02* 651-654 vol.2
- cylindrically stratified media, microwave imaging, anal. method. *Akhtar, M.J.*, +, *MWSYM 02* 2005-2008 vol.3
- Microwave imaging; cf. Microwave holography**
- Microwave integrated circuits**
- air gap transm. lines for mm-wave appls., high perform. *Inho Jeong*, +, *MWSYM 02* 661-664 vol.2
- broadband flip-chip transit. design, locally matching tech. *Chun-Long Wang*, +, *MWSYM 02* 1397-1400 vol.3
- CMOS RFIC CAD, gate capacitance models smoothing. *Dobes, J.*, *RFIC 02* 495-498
- CMOS RF mixer, soft breakdown/hot-carrier reliab., redesign. *Qiang Li*, +, *MWSYM 02* 509-512 vol.1
- corrections to "Accurate circuit model of interdigital capacitor and its application to design of new quasi-lumped miniaturized filters with suppression of harmonic resonance" (Mar 00 347-356). *Lei Zhu*, +, *T-MTT Oct 02* 2412-2413
- covered microstrip line, voltage source radiation, freq. depend. charact. *Langston, W.L.*, +, *MWSYM 02* 949-952 vol.2
- danger of high-frequency spurious effects on wide microstrip line. *Mesa, F.*, +, *T-MTT Dec 02* 2679-2689
- enhanced on-wafer time-domain waveform measurement through removal of interconnect dispersion and measurement instrument jitter. *Scott, J.B.*, +, *T-MTT Dec 02* 3022-3028
- feedback oscillator using double-sided MIC tech. *Kawahata, K.I.*, +, *MWSYM 02* 699-702 vol.2
- historical review of microwave/MM-wave IC. *Niehenke, E.C.*, +, *T-MTT Mar 02* 846-857
- IEEE RFIC symposium, Seattle, USA (Jun 02). *RFIC-02* xxxi+501
- impulse ground penetrating radar, pavement NDE. *Jeong Soo Lee*, +, *MWSYM 02* 1361-1363 vol.2
- LTCC integrated tri-band direct conversion receiver front-end module. *Lucero, R.*, +, *MWSYM 02* 1545-1548 vol.3
- microwave planar act. filters in GaAs and SiGe technols. *Bazzi, H.*, +, *MWSYM 02* 421-424 vol.1
- microwave/RF education, past/present/future. *Gupta, K.C.*, +, *T-MTT Mar 02* 1006-1014
- modeling using concurrent complementary operators method. *Lan, K.*, +, *MWSYM 02* 887-890 vol.2
- multi-layer transformer balun for Si RFIC, LNA appl. *Yang, H.Y.D.*, +, *RFIC 02* 491-494
- parallel-plate dielec. waveguide, excitation by coaxial probe study. *Kwan, G.K.C.*, +, *T-MTT Jun 02* 1609-1620
- planar multilayer magic-T configs. using microstrip-slotline transits. *Jeong Phill Kim*, +, *T-MTT Jul 02* 1683-1688
- planar RF/microwave ICs, EM model, integral eqn. *Okhmatovskii, V.I.*, +, *MWSYM 02* 1897-1900 vol.3
- rect. dielec. resonator in MIC environ., reson. modes simul. *Yaxun Liu*, +, *MWSYM 02* 1901-1904 vol.3

- SiGe 5-6 GHz act. subharmonic direct-conversion receiver front-end design. *Svitek, R.*, +, *MWSYM 02* 505-508 vol.1
- six-port direct digital receiver and std. direct receiver results for QPSK modulation at high speeds. *Schiel, J.-C.*, +, *MWSYM 02* 931-934 vol.2
- SOP plastic leaded package design, improved microwave perform. *Jessie, D.*, +, *RFIC 02* 381-384
- SPICE-TLM interconnection framework, time domain cct. modeling. *So, P.P.M.*, +, *MWSYM 02* 1123-1126 vol.2
- substr.-superstrate dielec. waveguide, continuous spectrum, approx. anal. eval. *Baccarelli, P.*, +, *MWSYM 02* 953-956 vol.2
- super regenerative detector, 7.5 GHz, perform. study. *Buchanan, N.B.*, +, *T-MTT Sep 02* 2198-2202
- technol. develop./appls., milestones. *Sobol, H.*, +, *T-MTT Mar 02* 594-611
- tunable microwave ccts., piezoelec.-transducer-controlled. *Tae-Yeoul Yun*, +, *T-MTT May 02* 1303-1310
- Microwave integrated circuits; cf. MMIC**
- Microwave isolators; cf. Ferrite isolators**
- Microwave limiters**
- phased-array antenna transmit/receive modules, microwave fn., perform., cost. *Kopp, B.A.*, +, *T-MTT Mar 02* 827-834
- Microwave links**
- BPSK mm-wave sigs., opt. delivery via free-running laser heterodyne with freq. drift cancellation. *Johansson, L.A.*, +, *MWSYM 02* 1695-1697 vol.3
- direct quadrature converter, patch antenna integrat. *Ji-Yong Park*, +, *MWSYM 02* 1277-1280 vol.2
- InGaP/InGaAs PHEMT MM-wave MMIC chipset, 60 GHz, wireless access syst. front-end appl. *Mimino, Y.*, +, *MWSYM 02* 1721-1724 vol.3
- microwave fiber-radio links, nonlin. distortion/crosstalk. *Funk, E.E.*, +, *MWSYM 02* 1691-1693 vol.3
- microwave point-to-point outdoor unit optimized for ultra high vol. mfg. *Louhi, J.T.*, +, *MWSYM 02* 795-798 vol.2
- microwave technol. in telecomm. syst., future directions. *Sobol, H.*, *T-MTT Mar 02* 1037-1038
- mm-wave diplexer, H-plane transformer/E-plane metal-insert filters. *Ofli, E.*, +, *MWSYM 02* 377-380 vol.1
- MM-wave rem. self-heterodyne syst., broadband sig. transm. *Shoji, Y.*, +, *T-MTT Jun 02* 1458-1468
- PHEMT MM-wave MMIC chipset, 60 GHz wireless links and radar appls. *Fujii, K.*, +, *MWSYM 02* 1725-1728 vol.3
- self-heterodyne direct down conversion microwave commun. link, syst. predistortion. *Jin Park*, +, *MWSYM 02* 939-942 vol.2
- SiGe sub-harmonic direct-conversion receiver front-end design for 5-6 GHz band appls. *Svitek, R.*, +, *RFIC 02* 395-398
- TW electroabsorption modulator, cct. model. *Jiyoun Lim*, +, *MWSYM 02* 1707-1710 vol.3
- WDM fiber-radio transm. using InP:Fe cryst.-based wavelength-self-tunable SSB filter. *Vourch, E.*, +, *MWSYM 02* 1703-1706 vol.3
- Microwave materials**
- (Ba,Sr)TiO₃ thin film, parallel plate capacitor, microwave meas. *Zhang Jin*, +, *MWSYM 02* 1201-1204 vol.2
- HDPE, low-loss, microwave props., cryogenic temps. *Jacob, M.V.*, +, *T-MTT Feb 02* 474-480
- highly conductive materials, ADI-FDTD simul. at RF/microwave freqs. *Chenghao Yuan*, +, *MWSYM 02* 1135-1138 vol.2
- microwave absorber, surface-printed conductive line pattern. *Amano, M.*, +, *MWSYM 02* 1193-1196 vol.2
- microwave BAW/SAW materials/devices/appls. *Weigel, R.*, +, *T-MTT Mar 02* 738-749
- multilayer metal/dielec. structs., reson. tunneling of microwave energy. *Eriksson, A.*, +, *MWSYM 02* 2009-2012 vol.3
- polystyrene, cross-linked, low-loss, microwave props., cryogenic temps. *Jacob, M.V.*, +, *T-MTT Feb 02* 474-480
- PTFE, low-loss, microwave props., cryogenic temps. *Jacob, M.V.*, +, *T-MTT Feb 02* 474-480
- two-phase periodic composite material, particle shape effects on effective permitt., meas. *Whites, K.W.*, +, *T-MTT Jul 02* 1723-1729
- Microwave measurement**
- act. device charactn., source refl. coeff. meas. tech. *Madonna, G.*, +, *T-MTT Feb 02* 564-569
- airborne dual-channel microwave radiometers, on-board accurate calib. *Corbella, I.*, +, *T-MTT Jul 02* 1816-1820
- AlGaAs/GaAs HBTs, microwave noise sources, scatt. params. *Sakalas, P.*, +, *MWSYM 02* 2117-2120 vol.3
- AlGaAs/InGaAs/GaAs pHEMT power amps., Ka-band intercept point behavior. *Merkle, T.*, +, *MWSYM 02* 453-456 vol.1
- (Ba,Sr)TiO₃ thin film, parallel plate capacitor, microwave meas. *Zhang Jin*, +, *MWSYM 02* 1201-1204 vol.2
- ceramic substr. material charactn. at microwave freqs., semianalytical tech. *Fathy, A.E.*, +, *T-MTT Oct 02* 2247-2252
- complex permitt. meas., microwave planar reson. sens. *Fratticcioli, E.*, +, *MWSYM 02* 647-650 vol.2
- complex tensorial permeab. of magnetized materials, automatic microwave meas. tech. *Queffelec, P.*, +, *T-MTT Sep 02* 2128-2134
- dielec. resonators, transm.-mode Q-factor meas. tech. *Leong, K.*, +, *T-MTT Sep 02* 2115-2127
- dielec. resonator unloaded Q-factor meas. by transm./refl. mode methods using S-param. circle fitting. *Leong, K.*, +, *MWSYM 02* 1665-1668 vol.3
- Doppler speed sens. syst. using sig. proc. approach. *Weber, N.*, +, *MWSYM 02* 2233-2235 vol.3
- ferroelec. material, microwave meas., dielec. sleeve resonator. *Geyer, R.G.*, +, *MWSYM 02* 1657-1660 vol.3
- GaAs CPW line, probe-tip calib. *Carchon, G.*, +, *MWSYM 02* 1837-1840 vol.3
- GaAs MESFETs, photonic capacitance model, on-wafer scatt. param. meas. *Navarro, C.*, +, *T-MTT Apr 02* 1193-1197
- GaAs thermoelec. microwave power sens., broadband/MMIC compatible, using std. foundry proc. *Dehe, A.*, +, *MWSYM 02* 1829-1832 vol.3
- GaN/P/GaAs HBT, on-wafer deembedding tech. *Bousnina, S.*, +, *T-MTT Feb 02* 420-424
- HBT, intermodulation asymmetry, time domain meas. syst. *Williams, D.J.*, +, *MWSYM 02* 1841-1844 vol.3
- helical slow-wave struct., cond. perturber dia. effect on nonresonant meas. of interact. impedance. *Sun-Shin Jung*, +, *T-MTT Sep 02* 2196-2198
- IEEE microwave symposium, conf., Seattle, WA, USA (Jun 02). *MWSYM-02* 3 vol.(lxxxii+xxiii+xxv+2272)
- integrated microwave sens., cavity length meas. *Megej, A.*, +, *MWSYM 02* 643-646 vol.2
- microwave nonlin. systs. and devices, IMD response asymmetries. *Borges de Carvalho, N.*, +, *T-MTT Sep 02* 2090-2101
- opt. field-tunable probe, elec. and mag. field meas. *Reano, R.M.*, +, *MWSYM 02* 1513-1516 vol.3
- reentrant resonators for microwave meas. units, rect. waveguide. *Romodín, V.B.*, +, *MWSYM 02* 1365-1368 vol.2
- sapphire rod resonators to measure surface resist. of HTSC films. *Hashimoto, T.*, +, *MWSYM 02* 1975-1978 vol.3
- SiGe high-speed bipolar ICs, weak substr. coupling meas./simul. *Steiner, W.*, +, *T-MTT Jul 02* 1705-1713
- Si high resist. substr. sampling cct., nonlin. transm. lines. *Abele, P.*, +, *MWSYM 02* 1681-1684 vol.3
- sintered conductor and dielec. substr. interface, effective cond. meas., microwave freqs. *Nakayama, A.*, +, *T-MTT Jul 02* 1665-1674
- transm.-type resonator, unloaded Q-factors meas. by insertion loss/return loss methods, error anal. *Ma, Z.*, +, *MWSYM 02* 1661-1664 vol.3
- two-phase periodic composite material, particle shape effects on effective permitt., meas. *Whites, K.W.*, +, *T-MTT Jul 02* 1723-1729
- two-tone meas. tech. for microwave power-amp. charactn. *Clark, C.J.*, +, *T-MTT Jun 02* 1590-1602
- vector corrected noise temp. meas., one-port tech. *Weatherspoon, M.H.*, +, *MWSYM 02* 2253-2256 vol.3
- vector meas. of filter using power detector, RF and baseband sig. paths. *Vasudev, N.*, +, *T-MTT Sep 02* 2083-2089
- vector NWA, fixed probe spacing on-wafer calib. *Safwat, A.M.E.*, +, *MWSYM 02* 2257-2260 vol.3
- Microwave measurement; cf. Microwave reflectometry**
- Microwave mixers**
- CMOS RF mixer, soft breakdown/hot-carrier reliab., redesign. *Qiang Li*, +, *MWSYM 02* 509-512 vol.1
- heterodyne reception microwave mixer develop., historical review. *Oxley, T.H.*, *T-MTT Mar 02* 867-876
- opt. mixing of antenna sigs. in WDM systs. *Cabon, B.*, +, *MWSYM 02* 1953-1956 vol.3
- RF mixers, vector charactn./test syst. vector error correction method. *Dunsmore, J.*, *MWSYM 02* 1833-1836 vol.3
- SiGe 5-6 GHz act. subharmonic direct-conversion receiver front-end design. *Svitek, R.*, +, *MWSYM 02* 505-508 vol.1
- Microwave mixers; cf. MMIC mixers**
- Microwave oscillators**
- C-band oscillator using high-Q inductors embedded in multi-layer organic packaging. *Yoon, S.-W.*, +, *MWSYM 02* 703-706 vol.2
- coupled oscillator arrays, locking range improvement. *Jinjin Shen*, +, *MWSYM 02* 1309-1312 vol.2
- feedback oscillator using double-sided MIC tech. *Kawahata, K.I.*, +, *MWSYM 02* 699-702 vol.2
- InGaP/GaAs HBT MMIC VCO, Ku band, with bal./differential topologies. *Dong-Hyun Baek*, +, *MWSYM 02* 847-850 vol.2
- nonlin. oscillator, phase-noise anal., time-domain/freq.-domain approaches. *Suarez, A.*, +, *T-MTT Oct 02* 2353-2361
- power-combining grid oscillator arrays, freq. stabilization. *Wenzhang Wang*, +, *T-MTT May 02* 1400-1407
- Si VCO and push-push oscillator, phase noise. *Dussopt, L.*, +, *MWSYM 02* 695-698 vol.2
- X-band integrated class-E oscillating annular ring element for high-efficiency transmitting arrays. *Hagerty, J.A.*, +, *MWSYM 02* 1317-1320 vol.2
- Microwave oscillators; cf. Masers; MMIC oscillators**
- Microwave parametric amplifiers**
- LNA, technol./perform. evol. *Whelehan, J.J.*, *T-MTT Mar 02* 806-813

Microwave parametric devices; cf. Microwave parametric amplifiers**Microwave phase shifters**

- Al_xGa_{1-x}N/GaN HEMTs for microwave/RF control appls. *Drozdzowski, N.V.*, +, *T-MTT Jan 02* 4-8
- asymmetric ring-hybrid phase shifters and attenuators. *Hee-Ran Ahn*, +, *T-MTT Apr 02* 1146-1155
- distributed CPW MEMS phase shifters on Si using tapered impedance unit cells. *Lakshminarayanan, B.*, +, *MWSYM 02* 1237-1240 vol.2
- Ka-band distributed MEMS phase shifter, metal-air-metal capacitor. *Hayden, J.S.*, +, *MWSYM 02* 337-340 vol.1
- MEMS-based ccts. & phase shifters, phase noise anal. *Rebeiz, G.M.*, *T-MTT May 02* 1316-1323
- microwave variable delay line with liq. cryst. impregnated membrane. *Kuki, T.*, +, *MWSYM 02* 363-366 vol.1
- multilayer microstrip struct. piezoelec. transducer controlled phase shifter anal. *Tae-Yeoul Yun*, +, *T-MTT Jan 02* 105-111
- multiple-output photonic RF phase shifters for opt. controlled radar systs. *Fetterman, H.*, +, *MWSYM 02* 1937-1940 vol.3
- tunable inverted-microstrip phase shifter using NLC. *Weil, C.*, +, *MWSYM 02* 367-371 vol.1
- tunable microwave ccts., piezoelec.-transducer-controlled. *Tae-Yeoul Yun*, +, *T-MTT May 02* 1303-1310
- X-band RF MEMS phase shifter, loss charact. *Tan, G.L.*, +, *MWSYM 02* 333-335 vol.1

Microwave phase shifters; cf. MMIC phase shifters**Microwave photonics**

- 2N beams heterodyne opt. beamforming archit. based on NxN opt. Butler matrices. *Madrid, D.*, +, *MWSYM 02* 1945-1948 vol.3
- BPSK mm-wave sigs., opt. delivery via free-running laser heterodyne with freq. drift cancellation. *Johansson, L.A.*, +, *MWSYM 02* 1695-1697 vol.3
- CW-mode opt. controlled microwave switch with carrier-confine. struct. *Sangil Lee*, +, *MWSYM 02* 1289-1292 vol.2
- direct carrier modulation, microwave-photonics vector modulator. *Chandramouli, S.*, +, *MWSYM 02* 1293-1296 vol.2
- direct optical injection locking of InP/InGaAs HPT oscillator ICs for microwave photonics and 40-Gbit/s-class optoelectronic clock recovery. *Kamitsuna, H.*, +, *T-MTT Dec 02* 3002-3008
- freq.-depend. phase compensated opt. heterodyne tech. *Jemison, W.D.*, *T-MTT Jul 02* 1832-1843
- GaAs MESFETs, photonic capacitance model, on-wafer scatt. param. meas. *Navarro, C.*, +, *T-MTT Apr 02* 1193-1197
- IEEE microwave symposium, conf., Seattle, WA, USA (Jun 02). *MWSYM-02* 3 vol.(lxxxii+xxiii+xxv+2272)
- InP/InGaAs HPT direct opt. injection-locked oscillator ICs for optoelectronic clock recovery ccts., 10/39 GHz. *Kamitsuna, H.*, +, *MWSYM 02* 1699-1702 vol.3
- layer-by-layer photonic cryst. fab. for submillimeter-wave freqs. *Gonzalo, R.*, +, *T-MTT Oct 02* 2384-2392
- microwave fiber-radio links, nonlin. distortion/crosstalk. *Funk, E.E.*, +, *MWSYM 02* 1691-1693 vol.3
- microwave photonics, hist., current status & future prospects. *Seeds, A.J.*, *T-MTT Mar 02* 877-887
- multiple-output photonic RF phase shifters for opt. controlled radar systs. *Fetterman, H.*, +, *MWSYM 02* 1937-1940 vol.3
- NWA based on photonic techs. and act. photonic probes for on-wafer meas. *Nagatsuma, T.*, +, *MWSYM 02* 1497-1500 vol.3
- OC-192/OC-768 fiber opt. ICs, global layout model, quasistatic MoM. *Huang, C.-W.P.*, +, *RFIC 02* 97-100
- opt. controlled phased array antennas for wireless commun., flexible beamformer/remoting head. *Riza, N.A.*, +, *MWSYM 02* 1941-1944 vol.3
- opt. mixing of antenna sigs. in WDM systs. *Cabon, B.*, +, *MWSYM 02* 1953-1956 vol.3
- photodetector and photomixer ccts., convolution-based global simul. *Ameen, D.B.*, +, *T-MTT Oct 02* 2253-2258
- photonic bandgap sandwich struct., forbidden microwave transm. *Yunbo Pang*, +, *MWSYM 02* 1157-1160 vol.2
- photonic true-time delay beamformer for broadband wireless access networks. *Vidal, B.*, +, *MWSYM 02* 1949-1952 vol.3
- plastic photonic cryst. fibers, guided-wave single-mode THz pulse propag. *Han, H.*, +, *MWSYM 02* 1075-1078 vol.2
- receiving-mode multibeam antenna array, opt. BFN. *Shibata, O.*, +, *T-MTT May 02* 1425-1430
- slot line on semicond. plasma substr., opt. control of MM-waves. *Dana, S.K.*, +, *T-MTT Jan 02* 207-210
- super-compact super-broadband tapered uniplanar PBG struct. for microwave/mm-wave appls. *Caloz, C.*, +, *MWSYM 02* 1919-1922 vol.3
- tunable microwave ccts., piezoelec.-transducer-controlled. *Tae-Yeoul Yun*, +, *T-MTT May 02* 1303-1310
- TW electroabsorption modulator, cct. model. *Jiyoun Lim*, +, *MWSYM 02* 1707-1710 vol.3
- WDM fiber-radio transm. using InP:Fe cryst.-based wavelength-self-tunable SSB filter. *Vourch, E.*, +, *MWSYM 02* 1703-1706 vol.3

Microwave power amplifiers

- adaptive Volterra predistorter for RF high power amp. lin. in wireless commun. *Anding Zhu*, +, *MWSYM 02* 461-464 vol.1
- AlN HBT, Ku-band power amp., flip-chip mounting. *Vendier, O.*, +, *MWSYM 02* 1389-1392 vol.3
- GaAs MESFET amps., act. antenna sub-array. *Paji, S.*, +, *MWSYM 02* 1527-1530 vol.3
- high perform. microwave power modules for mil. and commercial systs. *Basten, M.*, +, *MWSYM 02* 629-632 vol.2
- HIPERLAN/2 syst., OFDM power-amp. transient tracking. *Bateman, D.*, +, *MWSYM 02* 803-806 vol.2
- InGaP PHEMTs for 3.5 GHz W-CDMA appls. *Lan, E.*, +, *MWSYM 02* 1039-1042 vol.2
- inverted coplanar coupler, integral microstrip interface, bias crossover. *Crescenzi, E.J., Jr.*, *MWSYM 02* 1169-1172 vol.2
- microwave amp., qtr.-wavelength bias line, defect ground struct. *Si-Gyun Jeong*, +, *MWSYM 02* 1161-1164 vol.2
- microwave nonlin. systs. and devices, IMD response asymmetries. *Borges de Carvalho, N.*, +, *T-MTT Sep 02* 2090-2101
- realistic power-amplifiers characterization with application to baseband digital predistortion for 3G base stations. *Boumaiza, S.*, +, *T-MTT Dec 02* 3016-3021
- RF and microwave power amps., Class-E parallel cct. *Grebennikov, A.V.*, +, *MWSYM 02* 1627-1630 vol.3
- RF and microwave tuned class-E power amps. *Grebennikov, A.V.*, *RFIC 02* 49-52
- RF/microwave power amps. & transmitters, overview. *Raab, F.H.*, +, *T-MTT Mar 02* 814-826
- RF power amp. lin., adaptive predistortion feedback path, anti-aliasing filter effects. *Weiyun Shan*, +, *MWSYM 02* 469-472 vol.1
- satellite repeater amp. charactn., large bandwidth NPR/modulated sig. meas. *Mallet, A.*, +, *MWSYM 02* 2245-2248 vol.3
- SiGe HBTs with HV breakdown struct., RF power charact. *Matsuno, T.*, +, *MWSYM 02* 293-295 vol.1
- spatial power combiners, waveguide-based with hard horn feeds, array params. optim. *Ozkar, M.*, +, *MWSYM 02* 1301-1304 vol.2
- SSPAs, behavioral model taking into account nonlin. memory effects and transient behaviors. *Soury, A.*, +, *MWSYM 02* 853-856 vol.2
- tile-based spatial power-combining array power amp., bandwidth improve. *Ai-Zayed, A.*, +, *MWSYM 02* 1313-1316 vol.2
- two-tone meas. tech. for microwave power-amp. charactn. *Clark, C.J.*, +, *T-MTT Jun 02* 1590-1602

Microwave power amplifiers; cf. MMIC power amplifiers**Microwave power transistors**

- AlGaAs/InGaAs doped-channel power FETs, low-k BCB bridged proc. *Hsien-Chin Chiu*, +, *MWSYM 02* 521-524 vol.1
- AlGaAs/InGaAs high lin. power HFETs using low-k BCB bridged and passivated proc. *Hsien-Chin Chiu*, +, *RFIC 02* 411-414
- AlGaAs/GaN power HEMTs, RF perform./thermal anal., self-heating effects. *Nuttinck, S.*, +, *MWSYM 02* 921-924 vol.2
- AlGaAs/GaN power HEMT using surface-charge-controlled struct., microwave appls. *Kikkawa, T.*, +, *MWSYM 02* 1815-1818 vol.3
- Al_xGa_{1-x}N/GaN HEMTs for microwave/RF control appls. *Drozdzowski, N.V.*, +, *T-MTT Jan 02* 4-8
- GaAs C-band HFET, 27 W, high efficiency and reliab. for space appls. *Minamide, H.*, +, *MWSYM 02* 621-623 vol.2
- GaN/GaAs power HBTs, static/dyn. breakdown, meas./modeling. *Heckmann, S.*, +, *MWSYM 02* 1001-1004 vol.2
- GaN MESFET nonlinearities, large-sig. model, Volterra series. *Islam, S.S.*, +, *RFIC 02* 351-354
- InGaP/GaAs power HBT, electro-thermal large-sig. model, param. extraction. *Hyun-Min Park*, +, *MWSYM 02* 1009-1012 vol.2
- InGaP PHEMTs for 3.5 GHz W-CDMA appls. *Lan, E.*, +, *MWSYM 02* 1039-1042 vol.2
- power MESFETs, direct obs. of loadlines using av. RF gate and drain currents. *Meng, C.C.*, +, *MWSYM 02* 2161-2164 vol.3
- RF power LDMOS devices, electrothermal BSIM3 model. *Tomblad, O.*, +, *MWSYM 02* 861-864 vol.2
- SiGe HBTs with HV breakdown struct., RF power charact. *Matsuno, T.*, +, *MWSYM 02* 293-295 vol.1
- SiGe/Si power HBTs for X- to K-band appls., high perform. *Mohammadi, S.*, +, *RFIC 02* 373-376
- SiGe/Si power HBTs, X- to K-band appls. *Mohammadi, S.*, +, *MWSYM 02* 289-292 vol.1

Microwave power transmission

- circ. polarized rectifying antenna array, wireless microwave power transm. *Strassner, B.*, +, *MWSYM 02* 1535-1538 vol.3
- dual-freq. printed dipole rectenna, wireless power transm. *Young-Ho Suh*, +, *T-MTT Jul 02* 1784-1789
- dual freq. rectenna for high efficiency wireless power transm. at 2.45 and 5.8 GHz. *Young-Ho Suh*, +, *MWSYM 02* 1297-1300 vol.2
- indust. microwave power appls., food indust., comfort heating and power transms. *Osepechuk, J.M.*, *T-MTT Mar 02* 975-985

- wireless microwave power transm., 5.8-GHz circ. polarized rectenna. *Strassner, B.*, +, *T-MTT Aug 02* 1870-1876
- Microwave propagation**
buried targets, microwave radar underground propag. and detect. appls. *Carin, L.*, +, *T-MTT Mar 02* 945-952
technol. develop./appls., milestones. *Sobol, H.*, +, *T-MTT Mar 02* 594-611
wireless commun. systs., propag. prediction models, ray-tracing techs., review. *Iskander, M.F.*, +, *T-MTT Mar 02* 662-673
- Microwave receivers**
5-GHz CMOS WLAN stds. & receiver implement. *Lee, T.H.*, +, *T-MTT Jan 02* 268-280
900-MHz RF receiver with HBM ESD robustness, ESD protection design. *Ming-Dou Ker*, +, *MWSYM 02* 537-540 vol.1
act. MMIC filter for on-chip X-band radar receiver front-ends. *Malmqvist, R.*, +, *MWSYM 02* 1907-1910 vol.3
digital microwave receiver technol. *Tsui, J.B.Y.*, +, *T-MTT Mar 02* 699-705
direct digital receiver, QPSK sig. decoding, learning algms. *Mireux, O.*, +, *MWSYM 02* 497-500 vol.1
heterodyne reception microwave mixer develop., historical review. *Oxley, T.H.*, *T-MTT Mar 02* 867-876
microwave HTSC technol., appls. overview. *Mansour, R.R.*, *T-MTT Mar 02* 750-759
MIC super regenerative detector, 7.5 GHz, perform. study. *Buchanan, N.B.*, +, *T-MTT Sep 02* 2198-2202
radio astron., microwave instrumentation. *Webber, J.C.*, +, *T-MTT Mar 02* 986-995
satellite transponder, Ku-band receiver/downconverter. *Jin-Cheol Jeong*, +, *MWSYM 02* 1257-1260 vol.2
SiGe 5-6 GHz act. subharmonic direct-conversion receiver front-end design. *Svitek, R.*, +, *MWSYM 02* 505-508 vol.1
smart antennas, digital beamforming/calib. using real-time FPGA proc. *Nuteson, T.W.*, +, *MWSYM 02* 307-310 vol.1
vector corrected noise temp. meas., one-port tech. *Weatherspoon, M.H.*, +, *MWSYM 02* 2253-2256 vol.3
wideband high dyn. range receiver MMIC for EW appls. *Bannister, D.C.*, +, *RFIC 02* 147-149
- Microwave reflectometry**
sampled-line reflectometer for sub-mm-wave meas. *Ulker, S.*, +, *MWSYM 02* 1677-1680 vol.3
six-port reflectometers self-calib., act. loads synthesis, autom. method. *Yakabe, T.*, +, *T-MTT Apr 02* 1237-1239
- Microwaves**
EM/microwave education, technol.-based. *Iskander, M.F.*, *T-MTT Mar 02* 1015-1020
EM units and eqns., wave propag. and microwave engng. *Leo Young*, *T-MTT Mar 02* 1021-1027
IEEE Microwave Theory and Techniques Soc., 50-yr. hist. *Saad, T.S.*, +, *T-MTT Mar 02* 612-624
theoretical evaluation of GSM/UMTS electromagnetic fields on neuronal network response. *Apollonio, F.*, +, *T-MTT Dec 02* 3029-3035
- Microwave switches**
Al_xGa_{1-x}N/GaN HEMTs for microwave/RF control appls. *Drozdovski, N.V.*, +, *T-MTT Jan 02* 4-8
BaSrTiO₃ high-isolation MEMS capacitive switches for K-/Ka-band appls. *Yu Liu*, +, *MWSYM 02* 227-230 vol.1
broadband antenna integrated with RF MEMS switches for wireless commun. *Cetiner, B.A.*, +, *MWSYM 02* 1333-1336 vol.2
broadband integrated LTCC front-end module, IEEE 802.11a WLAN appls. *Lee, C.-H.*, +, *MWSYM 02* 1045-1048 vol.2
capacitive RF MEMS switch, gas damping model and dyn. characts. *Veijola, T.*, +, *MWSYM 02* 1213-1216 vol.2
Cu capacitive RF MEMS switches, low actuation volt., low cost fab. proc. *Balaraman, D.*, +, *MWSYM 02* 1225-1228 vol.2
CW-mode opt. controlled microwave switch with carrier-confine. struct. *Sangil Lee*, +, *MWSYM 02* 1289-1292 vol.2
GaAs single-pole dual-throw antenna switch for GSM appl. *Numata, K.*, +, *RFIC 02* 141-144
GaAs three-MESFET monolithic switch, L-band, bias conditions, reson. topologies. *Torres, J.A.*, +, *T-MTT Jan 02* 51-56
InGaP/InGaAs PHEMT MM-wave MMIC chipset, 60 GHz, wireless access syst. front-end appl. *Mimino, Y.*, +, *MWSYM 02* 1721-1724 vol.3
LTCC integrated tri-band direct conversion receiver front-end module. *Lucero, R.*, +, *MWSYM 02* 1545-1548 vol.3
MEMS-based ccts. & phase shifters, phase noise anal. *Rebeiz, G.M.*, *T-MTT May 02* 1316-1323
MEMS switch for microwave appls., low contact resist. design. *Peroulis, D.*, +, *MWSYM 02* 223-226 vol.1
polyimide film based RF MEMS capacitive switches, fab. and perform. *Ramadoss, R.*, +, *MWSYM 02* 1233-1236 vol.2
quasi-opt. E-band MEMS switching array. *Zhang, W.-K.*, +, *MWSYM 02* 1531-1534 vol.3
RF-MEMS reconfigurable tuners, modeling/optim. using FDTD techs. *Bushyager, N.*, +, *MWSYM 02* 883-886 vol.2
- RF MEMS & Si micromachined ccts., state-of-the-art. *Katehi, L.P.B.*, +, *T-MTT Mar 02* 858-866
series MEMS switch compatible with CMOS technol, design and fab. *Yongming Cai*, +, *MWSYM 02* 1221-1224 vol.2
SiGe BiCMOS technol. for X-band/LMDS microwave appls. *Subbanna, S.*, +, *MWSYM 02* 401-404 vol.1
toggle RF MEMS switch for power appls. *Schauwecker, B.*, +, *MWSYM 02* 219-222 vol.1
X-band RF MEMS phase shifter, loss charact. *Tan, G.L.*, +, *MWSYM 02* 333-335 vol.1
- Microwave technology**
50th Anniversary issue (special issue). *T-MTT Mar 02* 592-1072
50th Anniversary issue (special issue intro.). *Young, L.*, *T-MTT Mar 02* 592-593
Asia-Pacific region microwave educ. & R&D initiatives. *Yamashita, E.*, +, *T-MTT Mar 02* 1046-1055
corrections to "Numerical analysis of complicated waveguide circuits on the basis on generalized scattering matrices and domain product technique" (Feb 00 305-308). *Chumachenko, V.P.*, +, *T-MTT Jun 02* 1652
EM/microwave education, technol.-based. *Iskander, M.F.*, *T-MTT Mar 02* 1015-1020
European microwave activities & infrastructures, overview. *Sorrentino, R.*, +, *T-MTT Mar 02* 1056-1072
government support for research in U.S. academic institutions. *Trew, R.J.*, +, *T-MTT Mar 02* 1028-1033
IEEE microwave symposium, conf., Seattle, WA, USA (Jun 02). *MWSYM-02* 3 vol.(lxxxii+xxiii+xxv+2272)
IEEE Microwave Theory and Techniques Soc., 50-yr. hist. *Saad, T.S.*, +, *T-MTT Mar 02* 612-624
microwave indust. outlook, overview. *Staecker, P.*, *T-MTT Mar 02* 1034-1036
microwave modeling, knowledge based automatic model generation. *Devabhaktuni, V.*, +, *MWSYM 02* 1097-1100 vol.2
microwave technol. in telecomm. syst., future directions. *Sobol, H.*, *T-MTT Mar 02* 1037-1038
next-generation mil. commun., microwave indust. outlook. *Parker, D.*, *T-MTT Mar 02* 1039-1041
- Microwave technology; cf.** Microwave generation; Microwave heating; Microwave imaging; Microwave measurement; Microwave photonics; Microwave power transmission; Microwave propagation
- Microwave transistors**
microwave/RF education, past/present/future. *Gupta, K.C.*, +, *T-MTT Mar 02* 1006-1014
microwave solid-state act. devices. *Haddad, G.I.*, +, *T-MTT Mar 02* 760-779
technol. develop./appls., milestones. *Sobol, H.*, +, *T-MTT Mar 02* 594-611
- Microwave transistors; cf.** Microwave bipolar transistors; Microwave field effect transistors; Microwave power transistors
- Microwave tubes**
multistage depressed collector high-efficiency DBS-band klystron. *Habermann, T.*, +, *MWSYM 02* 633-636 vol.2
PLZT ferroelec. cathode, microwave gyro amp. *Einat, M.*, +, *T-MTT Apr 02* 1227-1230
technol. develop./appls., milestones. *Sobol, H.*, +, *T-MTT Mar 02* 594-611
- Military communication**
digital microwave receiver technol. *Tsui, J.B.Y.*, +, *T-MTT Mar 02* 699-705
DS-SS commun. for multipath channels. *Pursley, M.B.*, *T-MTT Mar 02* 653-661
GPS, tech. and geo-political factors, long-term availability. *McNeff, J.G.*, *T-MTT Mar 02* 645-652
next-generation mil. commun., microwave indust. outlook. *Parker, D.*, *T-MTT Mar 02* 1039-1041
- Military equipment**
high perform. microwave power modules for mil. and commercial systs. *Basten, M.*, +, *MWSYM 02* 629-632 vol.2
microwave filter technol. develop., appls. perspective. *Hunter, I.C.*, +, *T-MTT Mar 02* 794-805
- Military radar**
bioparticle rem. detect. in THz region, differential absorpt. radar. *Brown, E.R.*, +, *MWSYM 02* 1591-1594 vol.3
buried targets, microwave radar underground propag. and detect. appls. *Carin, L.*, +, *T-MTT Mar 02* 945-952
Ka-band coupled-cavity TWT amps. for mil. radar and commercial satellite commun. *Legarra, J.R.*, +, *MWSYM 02* 625-628 vol.2
microwave/MM-wave radar, hist., mil. and civ. appls. *Skolnik, M.*, *T-MTT Mar 02* 625-632
next-generation mil. commun., microwave indust. outlook. *Parker, D.*, *T-MTT Mar 02* 1039-1041
- Military systems**
battle phases, time- and freq.-multiplexed basis. *Spezio, A.E.*, *T-MTT Mar 02* 633-644

- buried targets, microwave radar underground propag. and detect. appls. *Carin, L.*, +, *T-MTT Mar 02* 945-952
- government support for research in U.S. academic institutions. *Trew, R.J.*, +, *T-MTT Mar 02* 1028-1033
- microwave filter technol. develop., appls. perspective. *Hunter, I.C.*, +, *T-MTT Mar 02* 794-805
- microwave indust. outlook, overview. *Staecker, P.*, *T-MTT Mar 02* 1034-1036
- Military systems; cf.** Military communication; Military radar
- Millimeter wave amplifiers**
conductor-backed coplanar ccts., use of vias in CPW ground planes. *Haydl, W.H.*, *T-MTT Jun 02* 1571-1577
- GaAs PHEMT LNA and VCO 3D MMICs for V-band single-chip transceiver. *Nishikawa, K.*, +, *MWSYM 02* 1717-1720 vol.3
- GaAs PHEMT MMICs, MM-wave radio front-end. *Karkkainen, M.*, +, *MWSYM 02* 1273-1276 vol.2
- grid amp., waveguide mode converter feed. *Chun-Tung Cheung*, +, *MWSYM 02* 1523-1526 vol.3
- InGaP/InGaAs PHEMT MM-wave MMIC chipset, 60 GHz, wireless access syst. front-end appl. *Mimino, Y.*, +, *MWSYM 02* 1721-1724 vol.3
- InP-InGaAs single HBT, scalable noise model, broad-band amp. ccts. *Huber, A.*, +, *T-MTT Jul 02* 1675-1682
- LNA, technol./perform. evol. *Whelehan, J.J.*, *T-MTT Mar 02* 806-813
- millimeter-wave power-fading compensation for WDM fiber-radio transmission using a wavelength-self-tunable single-sideband filter. *Vourc'h, E.*, +, *T-MTT Dec 02* 3009-3015
- MM-wave spatial power combining, cct.-fed tile-approach config. *Gouker, M.A.*, +, *T-MTT Jan 02* 17-21
- PHEMT MM-wave MMIC chipset, 60 GHz wireless links and radar appls. *Fujii, K.*, +, *MWSYM 02* 1725-1728 vol.3
- Millimeter wave amplifiers; cf.** Millimeter wave power amplifiers
- Millimeter wave antenna arrays**
freq. offset retrodirective array, 62/66 GHz, self steered monostatic 3 dB beamwidth. *Buchanan, N.B.*, +, *MWSYM 02* 315-318 vol.1
- Ka-band printed dipole phased array antenna using microstrip-fed CPS tee jns. *Young-Ho Suh*, +, *MWSYM 02* 1321-1324 vol.2
- meanderless slot arrays on elec. thick substs. at MM-wave freqs. *Meide Qiu*, +, *T-MTT Feb 02* 517-528
- MM-wave spatial power combining, cct.-fed tile-approach config. *Gouker, M.A.*, +, *T-MTT Jan 02* 17-21
- partially overlapped subarrays for MM-wave beam steerable antenna, planar implement. *Abbaspour-Tamijani, A.*, +, *MWSYM 02* 53-56 vol.1
- wide-scan spherical-lens antennas for automotive radars. *Schoenlinner, B.*, +, *T-MTT Sep 02* 2166-2175
- Millimeter wave antennas**
direct quadrature converter, patch antenna integrat. *Ji-Yong Park*, +, *MWSYM 02* 1277-1280 vol.2
- multibeam grating scanning antenna with appls. to low-cost MM-wave beam-steering. *Rodenbeck, C.T.*, +, *MWSYM 02* 57-60 vol.1
- Millimeter wave antennas; cf.** Millimeter wave antenna arrays
- Millimeter wave bipolar transistors**
InP-InGaAs single HBT, scalable noise model, broad-band amp. ccts. *Huber, A.*, +, *T-MTT Jul 02* 1675-1682
- Millimeter wave circuits**
VHDL-RF/MW, lang. design requirements. *Willis, J.*, +, *MWSYM 02* 2093-2095 vol.3
- W-band micromachined cct. power combining/dividing networks. *Herrick, K.J.*, +, *T-MTT Jun 02* 1647-1651
- Millimeter wave circuits; cf.** Millimeter wave integrated circuits
- Millimeter wave circulators**
W-band high-power squeeze-type phase shifter. *Hill, M.E.*, +, *T-MTT May 02* 1437-1441
- Millimeter wave couplers**
perp. coax-to-microstrip right-angle transit. *Morgan, M.*, +, *MWSYM 02* 817-820 vol.2
- Millimeter wave couplers; cf.** Millimeter wave directional couplers
- Millimeter wave detectors**
photodetector and photomixer ccts., convolution-based global simul. *Ameen, D.B.*, +, *T-MTT Oct 02* 2253-2258
- polarimeter, calib., dielec. sheet. *O'Dell, C.W.*, +, *T-MTT Sep 02* 2135-2141
- rly. crossing obstacle sens. MM wave SS radar syst. *Watanabe, M.*, +, *MWSYM 02* 791-794 vol.2
- Millimeter wave devices**
Cu capacitive RF MEMS switches, low actuation volt., low cost fab. proc. *Balaraman, D.*, +, *MWSYM 02* 1225-1228 vol.2
- High-performance air-gap transmission lines and inductors for millimeter-wave applications. *Jeong, I.*, +, *T-MTT Dec 02* 2850-2855
- high-Q MEMS varactors, extended tuning range and discrete-posn. designs. *Dussopt, L.*, +, *MWSYM 02* 1205-1208 vol.2
- MEMS switch for microwave appls., low contact resist. design. *Peroulis, D.*, +, *MWSYM 02* 223-226 vol.1
- mono-grooved circ. waveguide polarizers, mode-matching techs., W-band. *Yoneda, N.*, +, *MWSYM 02* 821-824 vol.2
- series MEMS switch compatible with CMOS technol, design and fab. *Yongming Cai*, +, *MWSYM 02* 1221-1224 vol.2
- slot line on semicond. plasma substr., opt. control of MM-waves. *Dana, S.K.*, +, *T-MTT Jan 02* 207-210
- super-compact super-broadband tapered uniplanar PBG struct. for microwave/mm-wave appls. *Caloz, C.*, +, *MWSYM 02* 1919-1922 vol.3
- Millimeter wave devices; cf.** Millimeter wave amplifiers; Millimeter wave antennas; Millimeter wave circuits; Millimeter wave circulators; Millimeter wave couplers; Millimeter wave detectors; Millimeter wave diodes; Millimeter wave filters; Millimeter wave frequency converters; Millimeter wave mixers; Millimeter wave oscillators; Millimeter wave phase shifters; Millimeter wave receivers; Millimeter wave transistors; Millimeter wave tubes
- Millimeter wave diodes**
microwave solid-state act. devices. *Haddad, G.I.*, +, *T-MTT Mar 02* 760-779
- Millimeter wave directional couplers**
W-band MMIC-based sig. source, act. x6 freq. multiplier, 75-110 GHz. *Morgan, M.*, +, *MWSYM 02* 1859-1862 vol.3
- Millimeter wave field effect transistors**
PHEMT, MM-wave model, on-wafer meas. and EM simul. *Cidronali, A.*, +, *T-MTT Feb 02* 425-432
- Millimeter wave filters**
dielec. resonator filter and duplexer, TM₁₁ mode. *Enokihara, A.*, +, *MWSYM 02* 1781-1784 vol.3
- EM-simulator based param. extraction/optimiz. *Harscher, P.*, +, *MWSYM 02* 1113-1116 vol.2
- engraved NRD guide for mm-wave ICs, design considerations. *Cassivi, Y.*, +, *T-MTT Jan 02* 165-171
- evanescent-mode ridged waveguide bandpass filters, improved perform. *Kirilenko, A.*, +, *T-MTT May 02* 1324-1327
- mm-wave diplexer, H-plane transformer/E-plane metal-insert filters. *Ofli, E.*, +, *MWSYM 02* 377-380 vol.1
- Si planar waveguide filter at 45 GHz based on periodic struct., design and fab. *Lenoir, B.*, +, *MWSYM 02* 1923-1926 vol.3
- Millimeter wave frequency converters**
PHEMT V-band freq. doubler, broadband operation, freq. tuning. *Piernas, B.*, +, *T-MTT Apr 02* 1120-1126
- Millimeter wave frequency convertors**
automotive radar chip set, 38/76 GHz, low cost PHEMT technol. *Werthof, A.*, +, *MWSYM 02* 1855-1858 vol.3
- direct quadrature converter, patch antenna integrat. *Ji-Yong Park*, +, *MWSYM 02* 1277-1280 vol.2
- GaAs PHEMT MMIC chipset for 60 GHz broadband wireless appls. *Vaudescal, O.*, +, *MWSYM 02* 1729-1732 vol.3
- GaAs Schottky diode, spatial power dividing/combining freq. doubler. *Schumann, B.*, +, *MWSYM 02* 1539-1542 vol.3
- InGaP/InGaAs PHEMT MM-wave MMIC chipset, 60 GHz, wireless access syst. front-end appl. *Mimino, Y.*, +, *MWSYM 02* 1721-1724 vol.3
- PHEMT MM-wave MMIC chipset, 60 GHz wireless links and radar appls. *Fujii, K.*, +, *MWSYM 02* 1725-1728 vol.3
- quadrupler, coplanar IC. *Schefer, M.*, *MWSYM 02* 355-358 vol.1
- Millimeter wave generation**
IEEE microwave symposium, conf., Seattle, WA, USA (Jun 02). *MWSYM-02* 3 vol.(lxxxii+xxiii+xxv+2272)
- Millimeter wave integrated circuits**
broadband flip-chip transit. design, locally matching tech. *Chun-Long Wang*, +, *MWSYM 02* 1397-1400 vol.3
- engraved NRD guide for mm-wave ICs, design considerations. *Cassivi, Y.*, +, *T-MTT Jan 02* 165-171
- historical review of microwave/MM-wave IC. *Niehenke, E.C.*, +, *T-MTT Mar 02* 846-857
- hybrid planar NRD-guide magic-tee jn. *Cassivi, Y.*, +, *T-MTT Oct 02* 2405-2408
- low-cost flip-chip alternatives for MM wave appls. *Heyen, J.*, +, *MWSYM 02* 2205-2208 vol.3
- OC-192/OC-768 fiber opt. ICs, global layout model, quasistatic MoM. *Huang, C.-W.P.*, +, *RFIC 02* 97-100
- parallel-plate dielec. waveguide, excitation by coaxial probe study. *Kwan, G.K.C.*, +, *T-MTT Jun 02* 1609-1620
- quadrupler, coplanar IC. *Schefer, M.*, *MWSYM 02* 355-358 vol.1
- W-band flip-chip interconnects on thin-film substr. *Schmuckle, F.J.*, +, *MWSYM 02* 1393-1396 vol.3
- Millimeter wave integrated circuits; cf.** MIMIC
- Millimeter wave measurement**
complex permitt. of brain tissues, charactn. up to 50 GHz using two-port microstrip test fixture. *Tofighi, M.-R.*, +, *T-MTT Oct 02* 2217-2225
- enhanced on-wafer time-domain waveform measurement through removal of interconnect dispersion and measurement instrument jitter. *Scott, J.B.*, +, *T-MTT Dec 02* 3022-3028
- flexible circ. dielec. waveguides, Q-band dielec./radiation loss meas. *Ki Young Kim*, +, *MWSYM 02* 1149-1152 vol.2
- NWA based on photonic techs. and act. photonic probes for on-wafer meas. *Nagatsuma, T.*, +, *MWSYM 02* 1497-1500 vol.3

- PHEMT, MM-wave model, on-wafer meas. and EM simul. *Cidronali, A.*, +, *T-MTT Feb 02* 425-432
- Millimeter wave mixers**
 direct quadrature converter, patch antenna integrat. *Ji-Yong Park*, +, *MWSYM 02* 1277-1280 vol.2
 GaAs pHEMT MMIC chipset for 60 GHz broadband wireless appls. *Vaudescal, O.*, +, *MWSYM 02* 1729-1732 vol.3
 GaAs PHEMT MMICs, MM-wave radio front-end. *Karkkainen, M.*, +, *MWSYM 02* 1273-1276 vol.2
 GaAs quadruple subharmonic mixer MMIC, 94 GHz, design and fab. *Kanaya, K.*, +, *MWSYM 02* 1249-1252 vol.2
 heterodyne reception microwave mixer develop., historical review. *Oxley, T.H.*, *T-MTT Mar 02* 867-876
 InGaP/InGaAs PHEMT MM-wave MMIC chipset, 60 GHz, wireless access syst. front-end appl. *Mimino, Y.*, +, *MWSYM 02* 1721-1724 vol.3
 InP HEMT W-band monolithic resistive mixer archits. *Barnes, A.R.*, +, *MWSYM 02* 1867-1870 vol.3
 PHEMT MM-wave MMIC chipset, 60 GHz wireless links and radar appls. *Fujii, K.*, +, *MWSYM 02* 1725-1728 vol.3
 photodetector and photomixer ccts., convolution-based global simul. *Ameen, D.B.*, +, *T-MTT Oct 02* 2253-2258
 SiGe bipolar monolithic integrated mixer, 40 GHz, design. *Hackl, S.*, +, *MWSYM 02* 1241-1244 vol.2
 sub-harmonically pumped mixer MMIC integrated with an image rejection filter, 60-GHz. *Yamada, A.*, +, *MWSYM 02* 1733-1736 vol.3
- Millimeter wave oscillators**
 40 GHz-band fully monolithic HEMT VCO with, one-wave length microstrip resonator. *Ikematsu, H.*, +, *MWSYM 02* 843-846 vol.2
 automotive radar chip set, 38/76 GHz, low cost PHEMT technol. *Werthof, A.*, +, *MWSYM 02* 1855-1858 vol.3
 GaAs-HBT MMIC push-push oscillator, 38 GHz, fixed freq. and VCO versions. *Schott, A.*, +, *MWSYM 02* 839-842 vol.2
 GaAs HBT operating as integrated V-to W-band Gunn oscillator. *Rudolph, M.*, +, *MWSYM 02* 1737-1740 vol.3
 GaAs PHEMT LNA and VCO 3D MMICs for V-band single-chip transceiver. *Nishikawa, K.*, +, *MWSYM 02* 1717-1720 vol.3
 Gunn diode based surface mount 77-GHz VCO for automotive radar appls. *Priestley, N.*, +, *MWSYM 02* 1863-1866 vol.3
 InP HBT VCO IC for OC-768 fiber optic commun. appls. *Liyang Zhang*, +, *RFIC 02* 85-88
 Schottky diode harmonic mixers, THz freqs., IF power null effects. *Feinaugle, R.*, +, *T-MTT Jan 02* 134-142
- Millimeter wave phase shifters**
 distributed CPW MEMS phase shifters on Si using tapered impedance unit cells. *Lakshminarayanan, B.*, +, *MWSYM 02* 1237-1240 vol.2
 Ka-band printed dipole phased array antenna using microstrip-fed CPS tee jns. *Young-Ho Suh*, +, *MWSYM 02* 1321-1324 vol.2
 Ka band waveguide using EM cryst. sidewalls. *Higgins, J.A.*, +, *MWSYM 02* 1071-1074 vol.2
 V-band distributed MEMS digital phase shifter, metal-air-metal capacitor. *Hong-Teuk Kim*, +, *MWSYM 02* 341-344 vol.1
 W-band high-power squeeze-type phase shifter. *Hill, M.E.*, +, *T-MTT May 02* 1437-1441
- Millimeter wave power amplifiers**
 AlGaAs/InGaAs/GaAs pHEMT power amps., Ka-band intercept point behavior. *Merkle, T.*, +, *MWSYM 02* 453-456 vol.1
 broadband push-pull power amp. MMIC operating at K/Ka-band freqs. *Schellenberg, J.M.*, *MWSYM 02* 909-912 vol.2
 GaAs pHEMT MMIC chipset for 60 GHz broadband wireless appls. *Vaudescal, O.*, +, *MWSYM 02* 1729-1732 vol.3
 GaAs PHEMT MMICs, MM-wave radio front-end. *Karkkainen, M.*, +, *MWSYM 02* 1273-1276 vol.2
 high perform. microwave power modules for mil. and commercial systs. *Basten, M.*, +, *MWSYM 02* 629-632 vol.2
 InGaP/InGaAs PHEMT MM-wave MMIC chipset, 60 GHz, wireless access syst. front-end appl. *Mimino, Y.*, +, *MWSYM 02* 1721-1724 vol.3
 InP/InGaAs/InP W-band DHBt MMIC power amps. *Yun Wei*, +, *MWSYM 02* 917-920 vol.2
 Ka-band coupled-cavity TWT amps. for mil. radar and commercial satellite commun. *Legarra, J.R.*, +, *MWSYM 02* 625-628 vol.2
 MM-wave power amp., stabil. *Samoska, L.*, +, *MWSYM 02* 429-432 vol.1
 PHEMT MM-wave MMIC chipset, 60 GHz wireless links and radar appls. *Fujii, K.*, +, *MWSYM 02* 1725-1728 vol.3
 quasi-opt. and spatial power combining, power amps., act. arrays. *DeLisio, M.P.*, +, *T-MTT Mar 02* 929-936
- Millimeter wave propagation**
 cpd. multilayered struct., material params., GA. *Zwick, T.*, +, *T-MTT Apr 02* 1180-1187
 slot line on semicond. plasma substr., opt. control of MM-waves. *Dana, S.K.*, +, *T-MTT Jan 02* 207-210
- Millimeter wave receivers**
 direct digital receiver, QPSK sig. decoding, learning algms. *Mireux, O.*, +, *MWSYM 02* 497-500 vol.1
 heterodyne reception microwave mixer develop., historical review. *Oxley, T.H.*, *T-MTT Mar 02* 867-876
 microwave point-to-point outdoor unit optimized for ultra high vol. mfg. *Louhi, J.T.*, +, *MWSYM 02* 795-798 vol.2
- Millimeter waves**
 2002 International Microwave Symposium (special issue). *T-MTT Dec 02* 2660, 2679-3076
 2002 International Microwave Symposium (special issue intro.). *Weisshaar, A.*, +, *T-MTT Dec 02* 2660-2663
 beam shaping of radiowaves using holograms, CATR appl. *Meltaus, J.*, +, *MWSYM 02* 1305-1308 vol.2
- Millimeter wave transistors**
 microwave solid-state act. devices. *Haddad, G.I.*, +, *T-MTT Mar 02* 760-779
- Millimeter wave transistors; cf.** Millimeter wave bipolar transistors; Millimeter wave field effect transistors
- Millimeter wave tubes**
 Ka-band coupled-cavity TWT amps. for mil. radar and commercial satellite commun. *Legarra, J.R.*, +, *MWSYM 02* 625-628 vol.2
- MIM devices**
 Al₂O₃ high-K dielec., RF MIM capacitor. *Chen, S.B.*, +, *MWSYM 02* 201-204 vol.1
 AlTiO_x high-K dielec., RF MIM capacitor. *Chen, S.B.*, +, *MWSYM 02* 201-204 vol.1
 CMOS Bluetooth transceiver IC with Cu RF pass., fab. and perform. *Doan, M.T.*, +, *RFIC 02* 415-418
 digital-type RF MEMS SC in CPW config., fab. and perform. *Rizk, J.B.*, +, *MWSYM 02* 1217-1220 vol.2
 RFIC pass. devices develop., VCO simul., cct. perform. *Coolbaugh, D.*, +, *RFIC 02* 341-344
- MIMIC**
 conductor-backed coplanar ccts., use of vias in CPW ground planes. *Haydl, W.H.*, *T-MTT Jun 02* 1571-1577
 GaAs PHEMT MMICs, MM-wave radio front-end. *Karkkainen, M.*, +, *MWSYM 02* 1273-1276 vol.2
 GaAs quadruple subharmonic mixer MMIC, 94 GHz, design and fab. *Kanaya, K.*, +, *MWSYM 02* 1249-1252 vol.2
 historical review of microwave/MM-wave IC. *Niehenke, E.C.*, +, *T-MTT Mar 02* 846-857
 Ku-band MMICs in low-cost SMT compatible packages. *Huang, H.C.*, +, *MWSYM 02* 27-30 vol.1
 MM-wave rem. self-heterodyne syst., broadband sig. transm. *Shoji, Y.*, +, *T-MTT Jun 02* 1458-1468
 MM-wave spatial power combining, cct.-fed tile-approach config. *Gouker, M.A.*, +, *T-MTT Jan 02* 17-21
 NWA based on photonic techs. and act. photonic probes for on-wafer meas. *Nagatsuma, T.*, +, *MWSYM 02* 1497-1500 vol.3
 SiGe BiCMOS MM-wave IC, monolithic inductor. *Dubuc, D.*, +, *MWSYM 02* 193-196 vol.1
 two-port/three-port symmetric inductors on Si, freq. depend. losses modeling. *Kamgaing, T.*, +, *MWSYM 02* 153-156 vol.1
 W-band MMIC-based sig. source, act. x6 freq. multiplier, 75-110 GHz. *Morgan, M.*, +, *MWSYM 02* 1859-1862 vol.3
- MIMIC; cf.** Bipolar MIMIC; Field effect MIMIC
- MIM structures; cf.** MIM devices
- Minimization**
 coupled resonator filters with source/load-multiresonator coupling, adaptive synthesis. *Amari, S.*, +, *T-MTT Aug 02* 1969-1978
- Minimum shift keying**
 GSM 900/DCS 1800 fractional-N modulator with two-point-modulation. *Neurauter, B.*, +, *MWSYM 02* 425-428 vol.1
- Mirrors**
 sapphire resonator design, high-Q, with DBR. *Piquet, O.*, +, *MWSYM 02* 1993-1996 vol.3
- MIS capacitors; cf.** MOS capacitors
- MIS devices**
 interconnect, wave propag., device-level simul. *Gaofeng Wang*, +, *T-MTT Apr 02* 1127-1136
- MISFET; cf.** MOSFET
- MIS structures; cf.** MIS devices
- Mixed analog-digital integrated circuits**
 BiCMOS ICs, high perform. in 0.18 μ m proc. for wireless appls. *Peihua Ye*, +, *MWSYM 02* 175-178 vol.1
 CMOS Bluetooth receiver IC, 3 V, develop. and implement. *Wenjun Sheng*, +, *RFIC 02* 107-110
 CMOS IC, isolation pockets, full wave anal., EM simul. *Bajon, D.*, +, *MWSYM 02* 987-990 vol.2
 GSM 900/DCS 1800 fractional-N modulator with two-point-modulation. *Neurauter, B.*, +, *MWSYM 02* 425-428 vol.1
 interconnects, EM modeling, num. stable methodology. *Rong, A.*, +, *MWSYM 02* 1893-1896 vol.3
 RF-SoC technol., expectations/required conditions. *Matsuzawa, A.*, *T-MTT Jan 02* 245-253

- SiGe BiCMOS proc. for wireless appls., 0.18 μm , mixed sig. ccts. *Peihua Ye*, +, *RFIC 02* 329-332
- Mixers (circuits)**
- 1-17-GHz InGaP-GaAs HBT MMIC analog multiplier and mixer with broadband input-matching networks. *Tzeng, B.*, +, *T-MTT Nov 02* 2564-2568
- 60-GHz uniplanar MMIC 4 x subharmonic mixer. *Chapman, M.W.*, +, *T-MTT Nov 02* 2580-2588
- Bluetooth low-IF receiver front-end, CMOS chip. *Beffa, F.*, +, *MWSYM 02* 501-504 vol.1
- near-ideal RF upconverters. *Vasudev, N.*, +, *T-MTT Nov 02* 2569-2575
- predistortion lin., LF even-order intermodulation components. *Youngoo Yang*, +, *T-MTT Feb 02* 446-452
- RF down-conversion mixer, soft breakdown and hot carrier reliab., redesign strategies. *Qiang Li*, +, *RFIC 02* 399-402
- subharmonic mixer, harmonic boosting. *Chakraborty, S.*, +, *MWSYM 02* 1253-1256 vol.2
- Mixers (circuits); cf.** Microwave mixers; Millimeter wave mixers; Schottky diode mixers; Submillimeter wave mixers; UHF mixers
- MMIC**
- 1-17-GHz InGaP-GaAs HBT MMIC analog multiplier and mixer with broadband input-matching networks. *Tzeng, B.*, +, *T-MTT Nov 02* 2564-2568
- 60-GHz uniplanar MMIC 4 x subharmonic mixer. *Chapman, M.W.*, +, *T-MTT Nov 02* 2580-2588
- adjacent coplanar spiral inductors, substr. coupling effects. *Chao, C.-J.*, +, *MWSYM 02* 157-160 vol.1
- air gap transm. lines for mm-wave appls., high perform. *Inho Jeong*, +, *MWSYM 02* 661-664 vol.2
- BiCMOS ICs, high perform. in 0.18 μm proc. for wireless appls. *Peihua Ye*, +, *MWSYM 02* 175-178 vol.1
- carrier power to intermodulation-distortion power-ratio-increasing technique in active phased-array antenna systems. *Kaho, T.*, +, *T-MTT Dec 02* 2987-2994
- compact single-chip W-band FMCW radar modules for commercial high-resolution sensor applications. *Tessmann, A.*, +, *T-MTT Dec 02* 2995-3001
- conductor-backed coplanar ccts., use of vias in CPW ground planes. *Haydl, W.H.*, *T-MTT Jun 02* 1571-1577
- contactless probing of HF elec. sigs. using SPM. *Merlin, W.*, *MWSYM 02* 1493-1496 vol.3
- coupled Pade approx.-FEM appl. to microwave device design. *Thon, B.*, +, *MWSYM 02* 1889-1892 vol.3
- Cu high-Q inductors on CMOS-grade Si substr. with low-k BCB dielec. layer. *Xiao Huo*, +, *MWSYM 02* 513-516 vol.1
- Cu high-Q inductors on std. Si substr. with low-k BCB dielec. layer. *Xiao Huo*, +, *RFIC 02* 403-406
- DSP, programmability/flexibility. *Asbeck, P.*, +, *T-MTT Mar 02* 900-909
- fully integrated broad-band amplifier MMIC employing novel chip-size package. *Yun, Y.*, +, *T-MTT Dec 02* 2930-2937
- GaAs thermoelec. microwave power sens., broadband/MMIC compatible, using std. foundry proc. *Dehe, A.*, +, *MWSYM 02* 1829-1832 vol.3
- global coupled EM-electrical-thermal simulation and experimental validation for spatial power combining MMIC array. *Batty, W.*, +, *T-MTT Dec 02* 2820-2833
- high-Q factor spiral inductor topol. based on 3D MMIC technol. *Piernas, B.*, +, *T-MTT Aug 02* 1942-1949
- historical review of microwave/MM-wave IC. *Niehenke, E.C.*, +, *T-MTT Mar 02* 846-857
- IEEE microwave symposium, conf., Seattle, WA, USA (Jun 02). *MWSYM-02* 3 vol.(lxxxii+xxiii+xxv+2272)
- Ka-band direct digital receiver. *Tatu, S.O.*, +, *T-MTT Nov 02* 2436-2442
- lossy structs., 3D hybrid finite-difference method, quasi-static field solns. *Kunze, M.*, +, *MWSYM 02* 1881-1884 vol.3
- low cost RF transceiver ICs, pass. elements modeling, ASITIC, lumped-element equiv. cct. models. *Niknejad, A.M.*, *MWSYM 02* 149-152 vol.1
- MMIC anal. problems, method of moments simul., large dense matrices, iter. soln. *Prakash, V.V.S.*, +, *MWSYM 02* 2041-2044 vol.3
- new "active" predistorter with high gain and prog. gain and phase characts. using cascode-FET structs. *Junghyun Kim*, +, *T-MTT Nov 02* 2459-2466
- planar multilayer magic-T configs. using microstrip-slotline transits. *Jeong Phill Kim*, +, *T-MTT Jul 02* 1683-1688
- planar transm. line, metallic loss, FDFD anal. *Kunze, M.*, +, *T-MTT May 02* 1275-1279
- RF integrated inductors, freq.-depend. compact model. *Sieiro, J.*, +, *T-MTT Jan 02* 384-392
- RF MEMS & Si micromachined ccts., state-of-the-art. *Katehi, L.P.B.*, +, *T-MTT Mar 02* 858-866
- RF-SoC technol., expectations/required conditions. *Matsuzawa, A.*, *T-MTT Jan 02* 245-253
- Si 3D-MMIC, polyimide layer, microstrip line coupling. *Ponchak, G.E.*, +, *MWSYM 02* 2221-2224 vol.3
- Si based monolithic integrated transformers, substr. RF losses. *Ng, K.T.*, +, *T-MTT Jan 02* 377-383
- SiGe BiCMOS proc. technol. and impact on RFIC design. *Das, A.*, +, *MWSYM 02* 171-174 vol.1
- SiGe COM2 enhanced graded base modular BiCMOS technol. for high speed appls. *Ivanov, T.*, +, *MWSYM 02* 183-186 vol.1
- SiGe MMIC, flip-chipped on LTCC MCM, multi-path couplings suppress. *Nishino, T.*, +, *MWSYM 02* 1385-1388 vol.3
- SOPs, microwave perform. improvement, design techs. *Jessie, D.*, +, *MWSYM 02* 297-300 vol.1
- spatial power combining MMIC array, global coupled EM-elec.-thermal simul. *Batty, W.*, +, *MWSYM 02* 2177-2180 vol.3
- spiral inductor modeling with eddy-current effect, series resist. predict. *Ban-Leong Ooi*, +, *T-MTT Sep 02* 2202-2206
- symm. octagonal inductor, substr. parasitics calc. *Tatinian, W.*, +, *MWSYM 02* 165-169 vol.1
- two-port/three-port symmetric inductors on Si, freq. depend. losses modeling. *Kamgaing, T.*, +, *MWSYM 02* 153-156 vol.1
- uniplanar MICs, monolithic and hybrid, finite-ground CPW reactive series-connected elements. *Lei Zhu*, +, *T-MTT Feb 02* 549-557
- MMIC; cf.** Bipolar MMIC; Field effect MMIC; MMIC amplifiers; MMIC mixers; MMIC oscillators; MMIC phase shifters
- MMIC amplifiers**
- AlGaAs/InGaAs/AlGaAs p-HEMT distrib. amp. MMICs, opt. modulator driver appl. *Virk, R.S.*, +, *MWSYM 02* 91-95 vol.1
- broadband integrated LTCC front-end module, IEEE 802.11a WLAN appls. *Lee, C.-H.*, +, *MWSYM 02* 1045-1048 vol.2
- broadband RF front-end for direct conversion transceivers, 0.9-2.6 GHz, low-noise variable gain amp. *Kawashima, M.*, +, *MWSYM 02* 927-930 vol.2
- broadband T/R module for phased array appls. in wireless commun. *Chunlei Wang*, +, *MWSYM 02* 1325-1328 vol.2
- CMOS 2.4-GHz/5-GHz LNA, high-resist. ELTRAN SOI-Epi wafers. *Kodate, J.*, +, *MWSYM 02* 1419-1422 vol.3
- CMOS gain controllable LNAs, 8-9 GHz wireless appls., very LV circuitry. *Tsang, T.K.K.*, +, *RFIC 02* 205-208
- concurrent multiband LNAs, theory, design, and radio receiver appl. *Hashemi, H.*, +, *T-MTT Jan 02* 288-301
- ESD protection of RF ccts. in std. CMOS proc. *Higashi, K.*, +, *MWSYM 02* 31-34 vol.1
- GaAs broadband amp. MMIC with RF-CSP for Ku/K band appls. *Young Yun*, +, *MWSYM 02* 409-412 vol.1
- GaAs MHEMT distributed amp. for 40-Gb/s opt. appls. *Heins, M.S.*, +, *MWSYM 02* 1061-1064 vol.2
- GaAs PHEMT LNA and VCO 3D MMICs for V-band single-chip transceiver. *Nishikawa, K.*, +, *MWSYM 02* 1717-1720 vol.3
- GaAs PHEMT MMICs, MM-wave radio front-end. *Karkkainen, M.*, +, *MWSYM 02* 1273-1276 vol.2
- GSM/EDGE dual-mode, 900/1800/1900-MHz triple-band HBT MMIC power amp. module. *Yamamoto, K.*, +, *RFIC 02* 245-248
- HEMT voltage controlled bi-directional amps. in support of component reuse for large aperture phase array. *Yang, J.M.*, +, *MWSYM 02* 65-68 vol.1
- InGaP/InGaAs PHEMT MM-wave MMIC chipset, 60 GHz, wireless access syst. front-end appl. *Mimino, Y.*, +, *MWSYM 02* 1721-1724 vol.3
- InP-InGaAs single HBT, scalable noise model, broad-band amp. ccts. *Huber, A.*, +, *T-MTT Jul 02* 1675-1682
- Ka-Band multiple-beam act. phased array antennas, highly integrated RF-modules. *Butz, J.*, +, *MWSYM 02* 61-64 vol.1
- Ku-band MMIC LNA with bias cct. for temp. depend. and proc. var. compensation. *Yamanaka, K.*, +, *MWSYM 02* 1427-1430 vol.3
- Ku-band MMICs in low-cost SMT compatible packages. *Huang, H.C.*, +, *MWSYM 02* 27-30 vol.1
- LNA, technol./perform. evol. *Whelehan, J.J.*, *T-MTT Mar 02* 806-813
- microstrip/CPW amps., size reduction using defected ground struct. *Jong-Sik Lim*, +, *MWSYM 02* 1153-1156 vol.2
- MM-wave spatial power combining, cct.-fed tile-approach config. *Gouker, M.A.*, +, *T-MTT Jan 02* 17-21
- multioctave spatial power combining in oversized coaxial waveguide. *Pengcheng Jia*, +, *T-MTT May 02* 1355-1360
- PHEMT LNA, enhancement mode, lin. control, logic controllable bypass-mitigated switch. *Kumar, S.*, +, *RFIC 02* 213-216
- PHEMT MMIC Ku-band amps., SMT packages. *Huang, H.C.*, +, *RFIC 02* 281-284
- PHEMT MM-wave MMIC chipset, 60 GHz wireless links and radar appls. *Fujii, K.*, +, *MWSYM 02* 1725-1728 vol.3
- SiGe sub-harmonic direct-conversion receiver front-end design for 5-6 GHz band appls. *Svitek, R.*, +, *RFIC 02* 395-398
- Si/SiGe HBT receiver front-end, ISM-band, relax. emitter scaling, consumer-oriented systs., Ka band. *Sonmez, E.*, +, *RFIC 02* 159-162
- SOI based MMICs for C-band WLAN appls. *Pinel, S.*, +, *MWSYM 02* 1053-1056 vol.2
- SOI CMOS tuned low-noise amp., 23.8 GHz, three-stage design. *Floyd, B.A.*, +, *T-MTT Sep 02* 2193-2196

- WLAN 5.8-GHz two-stage high-lin. LV LNA, 0.35- μ m CMOS technol. *Ren-Chieh Liu*, +, *RFIC 02* 221-224
- MMIC amplifiers; cf.** MMIC power amplifiers
- MMIC frequency converters**
- automotive radar chip set, 38/76 GHz, low cost PHEMT technol. *Werthof, A.*, +, *MWSYM 02* 1855-1858 vol.3
- GaAs PHEMT, 3D MMIC, V-band bal. freq. doubler. *Nishikawa, K.*, +, *MWSYM 02* 351-354 vol.1
- GaAs pHEMT MMIC chipset for 60 GHz broadband wireless appls. *Vaudescal, O.*, +, *MWSYM 02* 1729-1732 vol.3
- InGaP/InGaAs PHEMT MM-wave MMIC chipset, 60 GHz, wireless access syst. front-end appl. *Mimino, Y.*, +, *MWSYM 02* 1721-1724 vol.3
- PHEMT MMIC upconverter, ESM appl. *Devlin, L.M.*, +, *MWSYM 02* 257-261 vol.1
- PHEMT MM-wave MMIC chipset, 60 GHz wireless links and radar appls. *Fujii, K.*, +, *MWSYM 02* 1725-1728 vol.3
- W-band MMIC-based sig. source, act. x6 freq. multiplier, 75-110 GHz. *Morgan, M.*, +, *MWSYM 02* 1859-1862 vol.3
- MMIC mixers**
- bal. resistive mixer. *Bos, T.A.*, +, *MWSYM 02* 245-248 vol.1
- common-gate MESFET downconversion mixer for wireless appls., MMIC implement. *Frank, B.M.*, +, *T-MTT May 02* 1433-1435
- dual-gate FET mixers, IMD anal., large-sig./small-sig. anal. *Junghyun Kim*, +, *T-MTT Jun 02* 1544-1555
- GaAs MESFET MMIC mixers, HIPERLAN appl., low distortion. *Ellinger, F.*, +, *T-MTT Jan 02* 178-182
- GaAs PHEMT MMIC chipset for 60 GHz broadband wireless appls. *Vaudescal, O.*, +, *MWSYM 02* 1729-1732 vol.3
- GaAs PHEMT MMIC distributed drain mixer, 3-33 GHz. *Kuo-Liang Deng*, +, *RFIC 02* 151-154
- GaAs PHEMT MMICs, MM-wave radio front-end. *Karkkainen, M.*, +, *MWSYM 02* 1273-1276 vol.2
- GaAs quadruple subharmonic mixer MMIC, 94 GHz, design and fab. *Kanaya, K.*, +, *MWSYM 02* 1249-1252 vol.2
- GaAs single-MMIC four-channel transmitter, multichannel RF/opt. SCM commun. *Sangwoo Han*, +, *T-MTT Apr 02* 1173-1179
- heterodyne reception microwave mixer develop., historical review. *Oxley, T.H.*, *T-MTT Mar 02* 867-876
- InGaP/InGaAs PHEMT MM-wave MMIC chipset, 60 GHz, wireless access syst. front-end appl. *Mimino, Y.*, +, *MWSYM 02* 1721-1724 vol.3
- InP HEMT W-band monolithic resistive mixer archits. *Barnes, A.R.*, +, *MWSYM 02* 1867-1870 vol.3
- K-band beam-steering quasi-Yagi array, mixing freq. compensation. *Nishio, T.*, +, *MWSYM 02* 1345-1348 vol.2
- PHEMT MM-wave MMIC chipset, 60 GHz wireless links and radar appls. *Fujii, K.*, +, *MWSYM 02* 1725-1728 vol.3
- SiGe MMIC receiver, even harmonic type, W-CDMA mobile terminals. *Taniguchi, E.*, +, *RFIC 02* 133-136
- SiGe sub-harmonic direct-conversion receiver front-end design for 5-6 GHz band appls. *Svitek, R.*, +, *RFIC 02* 395-398
- Si/SiGe HBT receiver front-end, ISM-band, relax. emitter scaling, consumer-oriented systs., Ka band. *Sonmez, E.*, +, *RFIC 02* 159-162
- SOI based MMICs for C-band WLAN appls. *Pinel, S.*, +, *MWSYM 02* 1053-1056 vol.2
- sub-harmonically pumped mixer MMIC integrated with an image rejection filter, 60-GHz. *Yamada, A.*, +, *MWSYM 02* 1733-1736 vol.3
- X-band on-chip radar receiver front-end for adaptive smart skin array antennas. *Malmqvist, R.*, +, *MWSYM 02* 1431-1434 vol.3
- MMIC oscillators**
- 40 GHz-band fully monolithic HEMT VCO with, one-wave length microstrip resonator. *Ikematsu, H.*, +, *MWSYM 02* 843-846 vol.2
- automotive radar chip set, 38/76 GHz, low cost PHEMT technol. *Werthof, A.*, +, *MWSYM 02* 1855-1858 vol.3
- CMOS quadrature oscillator, 900 MHz, low phase noise design. *Cabanillas, J.*, +, *RFIC 02* 63-66
- CMOS quadrature VCO with symm. spiral inductors and differential varactors, 2.4 GHz. *Baoyong Chi*, +, *MWSYM 02* 561-564 vol.1
- CMOS regenerative freq. doubler, dyn.-loading tech., 4-GHz. *Wong, J.M.C.*, +, *RFIC 02* 463-466
- differentially-tuned CMOS LC VCO for 10 Gbit/s clock-and-data-recovery ccts. *Mukherjee, D.*, +, *MWSYM 02* 707-710 vol.2
- differentially-tuned VCO in SOI CMOS, 1 V, 3.8-5.7 GHz, design. *Fong, N.*, +, *RFIC 02* 75-78
- GaAs-HBT MMIC push-push oscillator, 38 GHz, fixed freq. and VCO versions. *Schott, A.*, +, *MWSYM 02* 839-842 vol.2
- GaAs HBT operating as integrated V-to W-band Gunn oscillator. *Rudolph, M.*, +, *MWSYM 02* 1737-1740 vol.3
- GaAs PHEMT LNA and VCO 3D MMICs for V-band single-chip transceiver. *Nishikawa, K.*, +, *MWSYM 02* 1717-1720 vol.3
- GaAs single-MMIC four-channel transmitter, multichannel RF/opt. SCM commun. *Sangwoo Han*, +, *T-MTT Apr 02* 1173-1179
- InP/InGaAs HPT direct opt. injection-locked oscillator ICs for optoelectronic clock recovery ccts., 10/39 GHz. *Kamitsuna, H.*, +, *MWSYM 02* 1699-1702 vol.3
- NMOS and PMOS transistors, 1/f noise and VCO design implications. *O, K.K.*, +, *RFIC 02* 59-62
- polysilicon differential multi-finger MEMS tunable capacitors for RFIC. *Ionis, G.V.*, +, *MWSYM 02* 345-348 vol.1
- RFIC pass. devices develop., VCO simul., cct. perform. *Coolbaugh, D.*, +, *RFIC 02* 341-344
- SiGe 20-GHz VCO and freq. divider, varactor-tuned LC-type oscillator, radar transmitter. *Ettinger, K.*, +, *MWSYM 02* 835-838 vol.2
- SiGe BiCMOS octave tunable RC-ring oscillator for fiber optic transceivers. *Sanduleanu, M.A.T.*, +, *RFIC 02* 435-438
- SiGe BiCMOS quadrature LC VCO, 1.8 V 6/9 GHz switchable dual-band design. *Hyunchol Shin*, +, *RFIC 02* 71-74
- SiGe BiCMOS technol. for X-band/LMDS microwave appls. *Subbanna, S.*, +, *MWSYM 02* 401-404 vol.1
- SiGe HBT, LF noise charactn. & modeling, low phase noise oscillator. *Bary, L.*, +, *RFIC 02* 359-362
- Si/SiGe HBT receiver front-end, ISM-band, relax. emitter scaling, consumer-oriented systs., Ka band. *Sonmez, E.*, +, *RFIC 02* 159-162
- ultra low-power VCO based on InP HEMT and heterojn. interband tunnel diode for wireless appl. *Cidronali, A.*, +, *MWSYM 02* 43-47 vol.1
- MMIC phase shifters**
- act. phase shifter struct., tunable all-pass filter. *Viveiros, D., Jr.*, +, *T-MTT Aug 02* 1885-1889
- analog phase shifter using two qtr.-wave-length transm. lines. *Hayashi, H.*, +, *T-MTT Jan 02* 150-154
- BaSrTiO₃/sapphire refl.-type phase shifter, monolithic, using CPW Lange coupler. *Dongsu Kim*, +, *MWSYM 02* 1471-1474 vol.3
- BaSrTiO₃ thin film parallel plate capacitors for X-band phase shifter appl. *Acikel, B.*, +, *MWSYM 02* 1467-1469 vol.3
- Ka-Band multiple-beam act. phased array antennas, highly integrated RF-modules. *Butz, J.*, +, *MWSYM 02* 61-64 vol.1
- phased-array antenna transmit/receive modules, microwave fn., perform., cost. *Kopp, B.A.*, +, *T-MTT Mar 02* 827-834
- MMIC power amplifiers**
- act. predistortor, cascode-FET struct. *Moon-Suk Jeon*, +, *RFIC 02* 253-256
- AlGaAs/InGaAs/GaAs pHEMT power amps., Ka-band intercept point behavior. *Merkle, T.*, +, *MWSYM 02* 453-456 vol.1
- broadband integrated LTCC front-end module, IEEE 802.11a WLAN appls. *Lee, C.-H.*, +, *MWSYM 02* 1045-1048 vol.2
- broadband push-pull power amp. MMIC operating at K/Ka-band freqs. *Schellenberg, J.M.*, *MWSYM 02* 909-912 vol.2
- GaAs PHEMT MMIC chipset for 60 GHz broadband wireless appls. *Vaudescal, O.*, +, *MWSYM 02* 1729-1732 vol.3
- GaAs PHEMT MMIC power amp., 15 W, 3G wireless transmitter appls. *Staudinger, J.*, +, *MWSYM 02* 617-620 vol.2
- GaAs PHEMT MMIC power amps., 1 W/2 W, for commercial K/Ka-band appls. *Schellenberg, J.M.*, *MWSYM 02* 445-448 vol.1
- GaAs PHEMT MMICs, MM-wave radio front-end. *Karkkainen, M.*, +, *MWSYM 02* 1273-1276 vol.2
- GaN HEMT MMIC power amp. design appls. *Pribble, W.L.*, +, *MWSYM 02* 1819-1822 vol.3
- InGaP/GaAs broadband monolithic HBT power amps. for 3G handset appls. *Jager, H.*, +, *MWSYM 02* 1035-1038 vol.2
- InGaP/GaAs HBT MMIC lin. broadband power amps., optimum bias conditions. *Iwamoto, M.*, +, *MWSYM 02* 901-904 vol.2
- InP/InGaAs/InP W-band DHBT MMIC power amps. *Yun Wei*, +, *MWSYM 02* 917-920 vol.2
- Ku-band coplanar HBT MMIC HPA, flip-chip assembly. *Fraysse, J.P.*, +, *MWSYM 02* 441-444 vol.1
- Ku-band MMICs in low-cost SMT compatible packages. *Huang, H.C.*, +, *MWSYM 02* 27-30 vol.1
- MM-wave power amp., stabil. *Samoska, L.*, +, *MWSYM 02* 429-432 vol.1
- multistage power amps., anal. and elim. of parametric oscills. *Anakabe, A.*, +, *MWSYM 02* 2181-2184 vol.3
- phased-array antenna transmit/receive modules, microwave fn., perform., cost. *Kopp, B.A.*, +, *T-MTT Mar 02* 827-834
- PHEMT MMIC Ku-band amps., SMT packages. *Huang, H.C.*, +, *RFIC 02* 281-284
- PHEMT MMIC wideband power amp. *Komiak, J.J.*, +, *MWSYM 02* 905-907 vol.2
- PHEMT MM-wave MMIC chipset, 60 GHz wireless links and radar appls. *Fujii, K.*, +, *MWSYM 02* 1725-1728 vol.3
- quasi-opt. amp. array, high-power Ka-band operation. *Ortiz, S.C.*, +, *T-MTT Feb 02* 487-494
- quasi-opt. and spatial power combining, power amps., act. arrays. *DeLisio, M.P.*, +, *T-MTT Mar 02* 929-936
- S-band broadband monolithic class-E power amp., design and fab. *Tayrani, R.*, *RFIC 02* 53-56
- SiC MESFET MMIC power amp. design appls. *Pribble, W.L.*, +, *MWSYM 02* 1819-1822 vol.3
- SiGe BiCMOS LNA, high lin., wide bandwidth, WLAN appl. *Sadowy, J.*, +, *RFIC 02* 217-220
- Si LDMOS HV RFIC amp. design, robust model extraction. *Pla, J.A.*, +, *RFIC 02* 347-350

Mobile communication

- 1.8-GHz high-efficiency 34-dBm silicon bipolar power amplifier . *Carrara, F.*, +, *T-MTT Dec 02* 2963-2970
- 1999 International Microwave and Optoelectronics Conference (special issue). *T-MTT Jan 02* 1-93
- 1999 International Microwave and Optoelectronics Conference (special issue intro.). *Hernandez-Figueroa, H.E.*, +, *T-MTT Jan 02* 1-3
- 60-GHz uniplanar MMIC 4 x subharmonic mixer . *Chapman, M.W.*, +, *T-MTT Nov 02* 2580-2588
- dielec. materials and devices for microwave commun. systs. *Fiedziuszko, S.J.*, +, *T-MTT Mar 02* 706-720
- direct conversion radio for digital mobile phones; design issues, status, and trends. *Loke, A.*, +, *T-MTT Nov 02* 2422-2435
- power-amplifier module with digital adaptive predistortion for cellular phones. *Kusunoki, S.*, +, *T-MTT Dec 02* 2979-2986
- SAW front-end module for GSM-based dual-band cellular phones with direct-conversion demodulation . *Hikita, M.*, +, *T-MTT Nov 02* 2629-2638
- theoretical evaluation of GSM/UMTS electromagnetic fields on neuronal network response . *Apollonio, F.*, +, *T-MTT Dec 02* 3029-3035
- ultralow DC power VCO based on InP-HEMT and heterojunction interband tunnel diode for wireless applications . *Cidronali, A.*, +, *T-MTT Dec 02* 2938-2946
- ultra-selective 22-pole 10-transmission zero superconducting bandpass filter surpasses 50-pole Chebyshev filter . *Tsuzuki, G.*, +, *T-MTT Dec 02* 2924-2929

Mobile communication; cf. Mobile radio**Mobile radio**

- 75 GHz BiCMOS UMTS zero-IF receiver, analog baseband chain. *Schelmbauer, W.*, +, *MWSYM 02* 13-16 vol.1
- direct conversion receiver design, mobile phone syst. *Ali, F.*, *RFIC 02* 21-22
- EER transmitter, delta-sigma modulation, WLAN and 3G appls. *Kang-Chun Peng*, +, *MWSYM 02* 1651-1654 vol.3
- GaAs-on-Si power amp., wireless handset. *Escalera, N.*, +, *MWSYM 02* 1031-1034 vol.2
- opt. controlled phased array antennas for wireless commun., flexible beamformer/remoting head. *Riza, N.A.*, +, *MWSYM 02* 1941-1944 vol.3
- SiGe BiCMOS direct-conversion W-CDMA front-end receiver chip. *Lie, D.Y.C.*, +, *RFIC 02* 31-34
- SiGe BiCMOS technol., UMTS zero-IF receiver. *Schelmbauer, W.*, +, *RFIC 02* 267-270
- SiGe BiCMOS TX-IC, W-CDMA mobile terminal. *Joba, H.*, +, *RFIC 02* 27-30
- SiGe HBT LNA, IMT-2000 mobile commun. *Jeiyong Lee*, +, *MWSYM 02* 1261-1264 vol.2
- WCDMA and CDMA power amps., efficiency. *Fowler, T.*, +, *RFIC 02* 41-44
- W-CDMA mobile terminal, integrated even harmonic type direct conversion receiver. *Itoh, K.*, +, *RFIC 02* 263-266
- W-CDMA mobile terminals, integrated even harmonic type direct conversion receiver. *Itoh, K.*, +, *MWSYM 02* 9-12 vol.1
- wireless commun., future develop. *Webb, W.*, *RFIC 02* 7-11
- world-wide wireless web. *Abdi, B.*, +, *RFIC 02* 3-6

Mobile radio; cf. Land mobile radio; Mobile satellite communication**Mobile satellite communication**

- broadband T/R module for phased array appls. in wireless commun. *Chunlei Wang*, +, *MWSYM 02* 1325-1328 vol.2
- X-band APAA syst., T/R module. *Young-Bae Jung*, +, *MWSYM 02* 1337-1340 vol.2

Modal analysis

- anisotropic ferrite slab waveguides, wave effects rel. to sing. theory. *Yakovlev, A.B.*, +, *MWSYM 02* 2021-2024 vol.3
- circ.-to-rect. waveguide T-jn., dual-mode filter design. *Ke-Li Wu*, +, *T-MTT Feb 02* 465-473
- discontinuities investig., TLM-based modal-extraction approach. *Ghosh, B.*, +, *T-MTT Oct 02* 2294-2304
- dual-mode filters with grooved/splitted dielectric resonators for cellular-radio base stations. *Accatino, L.*, +, *T-MTT Dec 02* 2882-2889
- manifold MUX, hybrid cct.-full-wave CAD. *Accatino, L.*, +, *T-MTT Sep 02* 2044-2047
- metamaterials, effective material params. calc., FDTD and modal approach, reson. struct. *Schuhmann, R.*, +, *MWSYM 02* 2037-2040 vol.3
- microstrip substr., 2D Green's fns., Berenger/leaky modes series. *Rogier, H.*, +, *T-MTT Jul 02* 1696-1704
- open structs., freq. parameterization, modal decomp. tech. *Adane, Y.*, +, *MWSYM 02* 2017-2020 vol.3

Modeling

- capacitive RF MEMS switch, gas damping model and dyn. characts. *Veijola, T.*, +, *MWSYM 02* 1213-1216 vol.2
- characterization and modeling of bias dependent breakdown and self-heating in GaInP/GaAs power HBT to improve high power amplifier design. *Heckmann, S.*, +, *T-MTT Dec 02* 2811-2819

- combine-type filters, ANN and EM based models for excitation loops. *Borji, A.*, +, *MWSYM 02* 2105-2108 vol.3
- implicit space mapping EM-based modeling and design of microwave ccts. *Bandler, J.W.*, +, *MWSYM 02* 713-716 vol.2
- modeling and charactn. of SiGe HBT LF noise figures-of-merit for RFIC appls. *Jin Tang*, +, *T-MTT Nov 02* 2467-2473
- modeling of planar applicators for microwave thermotherapy. *Carlier, J.*, +, *T-MTT Dec 02* 3036-3042
- neural-based dynamic modeling of nonlinear microwave circuits . *Xu, J.*, +, *T-MTT Dec 02* 2769-2780
- new termination condition for appl. of TLM method to discontinuity problems in closed homog. waveguide . *Pierantoni, L.*, +, *T-MTT Nov 02* 2513-2518
- nonlin. anal. of GaN MESFETs with Volterra series using large-signal models including trapping effects . *Islam, S.S.*, +, *T-MTT Nov 02* 2474-2479
- silicon-based RF and microwave integrated circuits (special issue). *T-MTT Jan 02* 233-410
- silicon-based RF and microwave integrated circuits (special issue intro.). *Hajimiri, A.*, +, *T-MTT Jan 02* 233-234
- surface-mounted RF components, meas. based closed-form modeling. *Naishadham, K.*, +, *T-MTT Oct 02* 2276-2286
- symm. octagonal inductor, substr. parasitics calc. *Tatinian, W.*, +, *MWSYM 02* 165-169 vol.1
- synthesis of equivalent-circuit models for multiports characterized by frequency-dependent parameters . *Neumayer, R.*, +, *T-MTT Dec 02* 2789-2796
- theoretical evaluation of GSM/UMTS electromagnetic fields on neuronal network response. *Apollonio, F.*, +, *T-MTT Dec 02* 3029-3035
- TLM-SPICE interconnection framework for coupled field and circuit analysis in time domain . *So, P.P.M.*, +, *T-MTT Dec 02* 2728-2733

Modeling; cf. Integrated circuit modeling; Physiological models; Semiconductor device models**Mode matching**

- adjacence-graph recursive-thresholding tech. for optimized parallel admittance matrix approach. *Esposito, A.*, +, *T-MTT Sep 02* 2102-2107
- CAD of waveguide struct. with prod. based rads. at double plane steps and jn. ports. *Reiter, J.M.*, +, *MWSYM 02* 2081-2084 vol.3
- circ. waveguide polarizers with ellipt. irises, full-wave design & optim. *Bertin, G.*, +, *T-MTT Apr 02* 1077-1083
- coupled-microstrip circulator, coupled-mode design. *Mazur, J.*, +, *T-MTT Jun 02* 1487-1494
- EM based optim. of advanced waffle-iron and rect. combine filters, CAD method. *Arndt, F.*, +, *MWSYM 02* 2053-2056 vol.3
- evanescent-mode ridged waveguide bandpass filters, improved perform. *Kirilenko, A.*, +, *T-MTT May 02* 1324-1327
- generalized reaction and unrestricted variational formulation of cavity resonators - part I, basic theory . *Shams-Zadeh-Amiri, A.M.*, +, *T-MTT Nov 02* 2480-2490
- generalized reaction and unrestricted variational formulation of cavity resonators - part II, nonorthogonal and free-boundary mode-matching method. *Shams-Zadeh-Amiri, A.M.*, +, *T-MTT Nov 02* 2491-2498
- irregular rect. waveguides, high functionality mode transformers. *Ming-Chuan Yang*, +, *MWSYM 02* 2013-2016 vol.3
- line-integral formulation of the hybrid MM/FEM tech., arbitrary cross-sect. waveguides. *Crino, V.*, +, *MWSYM 02* 2033-2036 vol.3
- mm-wave diplexer, H-plane transformer/E-plane metal-insert filters. *Ofli, E.*, +, *MWSYM 02* 377-380 vol.1
- mode-matching tech., line-integral formulation. *Figlia, G.*, +, *T-MTT Feb 02* 578-580
- mono-grooved circ. waveguide polarizers, mode-matching techs., W-band. *Yoneda, N.*, +, *MWSYM 02* 821-824 vol.2
- rect. waveguides, arbitrarily shaped inductive obstacles, hybrid mode-matching/num. method. *Esteban, H.*, +, *T-MTT Apr 02* 1219-1224
- ridge waveguide, dispersion rel. anal. using overlapping T-blocks. *Cho, Y.H.*, +, *T-MTT Oct 02* 2368-2373
- sapphire rod resonators to measure surface resist. of HTSC films. *Hashimoto, T.*, +, *MWSYM 02* 1975-1978 vol.3
- spatial power combiners, waveguide-based with hard horn feeds, array params. optim. *Ozkar, M.*, +, *MWSYM 02* 1301-1304 vol.2
- stripline tapped-in ridge waveguide bandpass filter, full-wave optim. *El Sabbagh, M.A.*, +, *MWSYM 02* 1805-1808 vol.3

Modems

- CMOS transmit/receive IF chip-set for WCDMA mobiles. *Dasgupta, U.*, +, *RFIC 02* 195-198
- MSM5100 cdma2000+AMPS+gpsOne+Bluetooth multimode ASIC, 3G handset. *Butler, B.K.*, +, *RFIC 02* 186A-186F
- SiGe HBT dual-VCO, cable modem receiver. *Stadius, K.*, +, *RFIC 02* 471-474
- SiGe HBT wide-tuning-range dual-VCOs for cable modem receivers. *Stadius, K.*, +, *MWSYM 02* 581-584 vol.1
- SiGe transceiver chipset for 100 Mbps/1 Gbps digital commun. over CATV. *Alexanian, A.*, +, *RFIC 02* 119-122

Modulation

probe-tone S-param. meas. tech. for power amps. *Martens, J.*, +, *T-MTT Sep 02* 2076-2082
 WCDMA sig. modulation, lin. method. *Youngoo Yang*, +, *MWSYM 02* 777-780 vol.2

Modulation; cf. Amplitude modulation; Angle modulation; Intermodulation; Minimum shift keying; OFDM modulation; Optical modulation; Pulse modulation

Modulators

3G mobiles, reconfigurable highly-integrated receiver archit. *Minnis, B.*, +, *RFIC 02* 187-190
 direct carrier modulation, microwave-photonics vector modulator. *Chandramouli, S.*, +, *MWSYM 02* 1293-1296 vol.2
 GSM 900/DCS 1800 fractional-N modulator with two-point-modulation. *Neurauter, B.*, +, *MWSYM 02* 425-428 vol.1
 I-Q vector modulator with FET parasitics compensation. *Chongcheawchamnan, M.*, +, *T-MTT Jun 02* 1642-1646
 near-ideal RF upconverters. *Vasudev, N.*, +, *T-MTT Nov 02* 2569-2575
 predistortion lin., LF even-order intermodulation components. *Youngoo Yang*, +, *T-MTT Feb 02* 446-452

Modulators; cf. Modems

Modules

3D integrated LTCC module, BGA technol., C-band RF front-end module, WLAN. *Pinel, S.*, +, *MWSYM 02* 1553-1556 vol.3
 broadband T/R module for phased array appls. in wireless commun. *Chunlei Wang*, +, *MWSYM 02* 1325-1328 vol.2
 high perform. microwave power modules for mil. and commercial systs. *Basten, M.*, +, *MWSYM 02* 629-632 vol.2
 hybrid power amp. module, 20 W, 2080-2200 MHz, optimized for error amp. appls. *Crescenzi, E.J., Jr.*, *MWSYM 02* 613-616 vol.2
 phased-array antenna transmit/receive modules, microwave fn., perform., cost. *Kopp, B.A.*, +, *T-MTT Mar 02* 827-834

Modules; cf. Multichip modules

Moisture

RF MEMS, at. layer deposition technol., long-term reliab. failures. *Hoivik, N.*, +, *MWSYM 02* 1229-1232 vol.2

Molecular beam epitaxial growth

microwave solid-state act. devices. *Haddad, G.I.*, +, *T-MTT Mar 02* 760-779

Molecular biophysics

bioparticle rem. detect. in THz region, differential absorpt. radar. *Brown, E.R.*, +, *MWSYM 02* 1591-1594 vol.3

Molecules; cf. Molecular biophysics

Monitoring

subcarrier-based control implement. for opt. networking. *Willner, A.E.*, *MWSYM 02* 1687-1690 vol.3

Monitoring; cf. Patient monitoring; Process monitoring

Monolithic integrated circuits

differentially driven symmetric microstrip inductors, config. and Si RFIC appl. *Danesh, M.*, +, *T-MTT Jan 02* 332-341
 distortion control tech. for achieving high power efficiency in HPA array. *Kaho, T.*, +, *T-MTT Nov 02* 2505-2512
 fully integrated broad-band amplifier MMIC employing novel chip-size package. *Yun, Y.*, +, *T-MTT Dec 02* 2930-2937
 Si RFIC, multi-layer transformer balun. *Yang, H.Y.D.*, +, *MWSYM 02* 601-604 vol.1
 ultralow DC power VCO based on InP-HEMT and heterojunction interband tunnel diode for wireless applications. *Cidronali, A.*, +, *T-MTT Dec 02* 2938-2946

Monolithic integrated circuits; cf. Application specific integrated circuits; Bipolar integrated circuits; Field effect integrated circuits; MIMIC; MMIC

Monte Carlo methods

noise params., meas. uncertainty, Monte Carlo simul. *Randa, J.*, *MWSYM 02* 1845-1848 vol.3

MOS analog integrated circuits

LDMOS HV RFIC proc., appl. to wideband power amp. IC design. *Pla, J.A.*, +, *MWSYM 02* 263-266 vol.1
 NMOS and PMOS transistors, 1/f noise and VCO design implications. *O, K.K.*, +, *RFIC 02* 59-62
 Si LDMOS HV RFIC amp. design, robust model extraction. *Pla, J.A.*, +, *RFIC 02* 347-350

MOS analog integrated circuits; cf. CMOS analog integrated circuits

MOS capacitors

MM-wave CPWs on Si, interface loss mechanisms. *Zhao, W.*, +, *T-MTT Jan 02* 407-410
 RFIC pass. devices develop., VCO simul., cct. perform. *Coolbaugh, D.*, +, *RFIC 02* 341-344

MOS digital integrated circuits; cf. CMOS digital integrated circuits

MOSFET

CMOS RF mixer, soft breakdown/hot-carrier reliab., redesign. *Qiang Li*, +, *MWSYM 02* 509-512 vol.1
 HF/VHF/UHF systs. and technol., appls. *Raab, F.H.*, +, *T-MTT Mar 02* 888-899

hot-carrier and soft-breakdown effects on VCO performance. *Enjun Xiao*, +, *T-MTT Nov 02* 2453-2458

LDMOSFETs, RF electro-thermal modeling, power-amp. design appl. *Akhtar, S.*, +, *T-MTT Jun 02* 1561-1570

model for RFIC design valid in all regions of operation. *Enz, C.*, *T-MTT Jan 02* 342-359

NMOS and PMOS transistors, 1/f noise and VCO design implications. *O, K.K.*, +, *RFIC 02* 59-62

nonlin. microwave device model param. estim. method based on vectorial large-sig. meas. *Schreurs, D.M.M.-P.*, +, *T-MTT Oct 02* 2315-2319

nonlin. model. *Romdane, H.*, +, *MWSYM 02* 597-599 vol.1

nonlin. model based on DC/small-sig. S param. meas. *Romdane, H.*, +, *RFIC 02* 487-489

RF CMOS, S-param. kink phenom., small-sig. substr. resist. effect. *Yo-Sheng Lin*, +, *MWSYM 02* 161-164 vol.1

small-sig. and temp. noise model. *Pascht, A.*, +, *T-MTT Aug 02* 1927-1934

small-sig. equiv. cct. model for RF-MOSFETs valid up to cut-off freq. *Kawano, H.*, +, *MWSYM 02* 2121-2124 vol.3

small-sig. microwave MOSFET model, param.-extraction method. *Ickjin Kwon*, +, *T-MTT Jun 02* 1503-1509

MOSFET; cf. Power MOSFET

MOSFET circuits

class E power amps., finite DC feed inductor, simplified approach. *Choi, D.K.*, +, *MWSYM 02* 1643-1646 vol.3

LDMOS power amp., ultra-lin. sq.-law approx. *van der Heijden, M.P.*, +, *T-MTT Sep 02* 2176-2184

LDMOS transistor amps., IMD behavior. *Fager, C.*, +, *MWSYM 02* 131-134 vol.1

MOS integrated circuits; cf. CMOS integrated circuits; MOS analog integrated circuits

MOS logic circuits; cf. CMOS logic circuits

Multi-access systems; cf. Code division multiple access

Multibeam antennas

automotive radar, multibeam imaging antenna. *Schoenlinner, B.*, +, *MWSYM 02* 1373-1376 vol.2

commun. satellite, beamforming matrix module. *Kornrumpf, W.*, +, *MWSYM 02* 319-322 vol.1

Ka-Band multiple-beam act. phased array antennas, highly integrated RF-modules. *Butz, J.*, +, *MWSYM 02* 61-64 vol.1

MM-wave wide-scan spherical-lens antennas for automotive radars. *Schoenlinner, B.*, +, *T-MTT Sep 02* 2166-2175

multibeam grating scanning antenna with appls. to low-cost MM-wave beam-steering. *Rodenbeck, C.T.*, +, *MWSYM 02* 57-60 vol.1

receiving-mode multibeam antenna array, opt. BFN. *Shibata, O.*, +, *T-MTT May 02* 1425-1430

Multichip modules

broadband flip-chip transit. design, locally matching tech. *Chun-Long Wang*, +, *MWSYM 02* 1397-1400 vol.3

C-band oscillator using high-Q inductors embedded in multi-layer organic packaging. *Yoon, S.-W.*, +, *MWSYM 02* 703-706 vol.2

high-Q inductors in organic substs. for 1-3 GHz wireless appls., design. *Dalmia, S.*, +, *MWSYM 02* 1405-1408 vol.3

Ka-band 156 Mbps transceiver for WLAN syst. using PTFE/FR-4 laminated MCMs. *Takahashi, K.*, +, *MWSYM 02* 787-790 vol.2

low-cost flip-chip alternatives for MM wave appls. *Heyen, J.*, +, *MWSYM 02* 2205-2208 vol.3

LTCC-MCMs, buried meshed-ground coupling charact. anal., FEM calcs. *Jun-Goo Kim*, +, *MWSYM 02* 825-828 vol.2

RF MEMS & Si micromachined ccts., state-of-the-art. *Katehi, L.P.B.*, +, *T-MTT Mar 02* 858-866

SiGe MMIC, flip-chipped on LTCC MCM, multi-path couplings suppress. *Nishino, T.*, +, *MWSYM 02* 1385-1388 vol.3

spiral inductors embedded on MCM-L organic substs. for syst.-on-package appls. *Lee, S.H.*, +, *MWSYM 02* 2229-2232 vol.3

W-band flip-chip interconnects on thin-film substr. *Schmuckle, F.J.*, +, *MWSYM 02* 1393-1396 vol.3

X-band microstrip bandpass filter using photoimageable thick-film materials. *Ng, C.Y.*, +, *MWSYM 02* 2209-2212 vol.3

Multiconductor transmission lines

high-speed digital syst., eye pattern, MTL model. *Antonini, G.*, +, *T-MTT Jul 02* 1807-1815

multiconductor transm. lines, full-wave anal./modeling via 2D FDTD/sig.-proc. techs. *Feng Liu*, +, *T-MTT Feb 02* 570-577

multiconductor transm. line, transient simul., structural aspects of model, digital ccts. *Condon, M.*, *MWSYM 02* 2065-2068 vol.3

multistrip transm. lines, EM eigenvalue problems, full-wave anal. *Casanueva, A.*, +, *T-MTT Jan 02* 36-40

narrow-band matching networks for quasi-TEM coupled microstrip lines. *Nickel, J.G.*, +, *T-MTT May 02* 1392-1399

symmetric coupled-microstrip systs., longit. multiconductor transm. line fns. investig. *Nickel, J.G.*, +, *T-MTT Jan 02* 183-190

Multidimensional systems

new 2-D image reconstruction algorithm based on FDTD and design sensitivity analysis. *Kang, N.-W.*, +, *T-MTT Dec 02* 2734-2740

Multifrequency antennas

- broadband T/R module for phased array appls. in wireless commun. *Chunlei Wang*, +, *MWSYM* 02 1325-1328 vol.2
- dual-freq. printed dipole rectenna, wireless power transm. *Young-Ho Suh*, +, *T-MTT Jul* 02 1784-1789
- dual freq. rectenna for high efficiency wireless power transm. at 2.45 and 5.8 GHz. *Young-Ho Suh*, +, *MWSYM* 02 1297-1300 vol.2
- dual-frequency electric-magnetic-electric microstrip leaky-mode antenna of single fan beam. *Chen, Y.C.*, +, *T-MTT Dec* 02 2713-2720
- dual-mode antenna, microwave hyperthermia, multifrequency radiometry. *Jacobsen, S.*, +, *T-MTT Jul* 02 1737-1746

Multilayers

- multilayer metal/dielec. struct., reson. tunneling of microwave energy. *Eriksson, A.*, +, *MWSYM* 02 2009-2012 vol.3

Multimedia communication

- microwave technol. in telecomm. syst., future directions. *Sobol, H.*, *T-MTT Mar* 02 1037-1038
- six-port direct digital receiver and std. direct receiver results for QPSK modulation at high speeds. *Schiel, J.-C.*, +, *MWSYM* 02 931-934 vol.2

Multimedia computing

- EM/microwave education, technol.-based. *Iskander, M.F.*, *T-MTT Mar* 02 1015-1020

Multimedia systems; cf. Multimedia communication; Multimedia computing**Multipath channels**

- DS-SS commun. for multipath channels. *Pursley, M.B.*, *T-MTT Mar* 02 653-661

Multiplexing

- smart antenna receiver array using single RF channel and digital beamforming. *Fredrick, J.D.*, +, *MWSYM* 02 311-314 vol.1
- smart antenna receiver array using single RF channel and digital beamforming. *Fredrick, J.D.*, +, *T-MTT Dec* 02 3052-3058

Multiplexing; cf. Frequency division multiplexing; Subcarrier multiplexing; Time division multiplexing; Wavelength division multiplexing**Multiplexing equipment**

- diplexer, H-plane transformer/E-plane metal-insert filters. *Ofli, E.*, +, *MWSYM* 02 377-380 vol.1
- folded coupled-line struct., anal., appl. to filter and diplexer design. *Chih-Ming Tsai*, +, *MWSYM* 02 1927-1930 vol.3
- manifold MUX design, appl. of spurious mode compensation tech. *Bariant, D.*, +, *MWSYM* 02 1461-1464 vol.3
- manifold MUX, hybrid cct.-full-wave CAD. *Accatino, L.*, +, *T-MTT Sep* 02 2044-2047
- microwave HTSC technol., appls. overview. *Mansour, R.R.*, *T-MTT Mar* 02 750-759

Multipoint networks

- direct digital receiver, QPSK sig. decoding, learning algms. *Mireux, O.*, +, *MWSYM* 02 497-500 vol.1
- GaN/P/GaAs HBT, on-wafer deembedding tech. *Bousnina, S.*, +, *T-MTT Feb* 02 420-424
- multi-layer transformer balun for Si RFIC, LNA appl. *Yang, H.Y.D.*, +, *RFIC* 02 491-494
- multipoint ccts., equiv. cct. models. *Neumayer, R.*, +, *MWSYM* 02 721-724 vol.2
- Si two-port & three-port inductors, freq. depend. losses modeling. *Kamgaing, T.*, +, *RFIC* 02 307-310
- six-port direct digital receiver and std. direct receiver results for QPSK modulation at high speeds. *Schiel, J.-C.*, +, *MWSYM* 02 931-934 vol.2
- six-port reflectometers self-calib., act. loads synthesis, autom. method. *Yakabe, T.*, +, *T-MTT Apr* 02 1237-1239
- synthesis of equivalent-circuit models for multiports characterized by frequency-dependent parameters. *Neumayer, R.*, +, *T-MTT Dec* 02 2789-2796
- three-port balun, symm. four-port network. *Yoke Choy Leong*, +, *MWSYM* 02 1165-1168 vol.2
- two-port/three-port symmetric inductors on Si, freq. depend. losses modeling. *Kamgaing, T.*, +, *MWSYM* 02 153-156 vol.1

Multipoint networks; cf. Two-port networks**Multiterminal networks; cf. Multipoint networks****Multivibrators; cf. Flip-flops****Muscle**

- dual-mode antenna, microwave hyperthermia, multifrequency radiometry. *Jacobsen, S.*, +, *T-MTT Jul* 02 1737-1746

N**Nanostructured materials; cf. Carbon nanotubes****Nanotechnology**

- RF MEMS, at. layer deposition technol., long-term reliab. failures. *Hoivik, N.*, +, *MWSYM* 02 1229-1232 vol.2

Natural sciences; cf. Biology**Natural sciences computing; cf. Physics computing****Negative resistance circuits**

- microwave planar act. filters in GaAs and SiGe technols. *Bazzi, H.*, +, *MWSYM* 02 421-424 vol.1
- ultra low-power VCO based on InP HEMT and heterojn. interband tunnel diode for wireless appl. *Cidronali, A.*, +, *MWSYM* 02 43-47 vol.1

Negative resistance devices

- SiGe microwave HBT, low phase noise DRO. *Bary, L.*, +, *MWSYM* 02 275-278 vol.1

Negative resistance devices; cf. Negative resistance circuits; Tunnel diodes**Nematic liquid crystals**

- tunable inverted-microstrip phase shifter using NLC. *Weil, C.*, +, *MWSYM* 02 367-371 vol.1

Neodymium

- Nd:LiNbO₃ microchip laser, RIN peak and phase noise suppression. *Csornyei, M.*, +, *MWSYM* 02 1377-1380 vol.2

Network analysers

- act. device charactn., source refl. coeff. meas. tech. *Madonna, G.*, +, *T-MTT Feb* 02 564-569
- digital ICs, 40 Gb, time-domain waveform meas., cable/connector dispersion removal. *Scott, J.*, +, *MWSYM* 02 1669-1672 vol.3
- nonlin. source-pull separation from nonlin. syst. behavior. *Crama, P.*, +, *T-MTT Aug* 02 1890-1894
- NWA based on photonic techs. and act. photonic probes for on-wafer meas. *Nagatsuma, T.*, +, *MWSYM* 02 1497-1500 vol.3
- sampled-line reflectometer for sub-mm-wave meas. *Ulker, S.*, +, *MWSYM* 02 1677-1680 vol.3
- six-port reflectometers self-calib., act. loads synthesis, autom. method. *Yakabe, T.*, +, *T-MTT Apr* 02 1237-1239
- vector NWA, fixed probe spacing on-wafer calib. *Safwat, A.M.E.*, +, *MWSYM* 02 2257-2260 vol.3

Network analysis

- class E power amps., finite DC feed inductor, simplified approach. *Choi, D.K.*, +, *MWSYM* 02 1643-1646 vol.3
- comments, with reply, on "General oscillator characterization using linear open-loop S-parameters" (Jun 01 1094-1100). *Cascio, L.*, +, *T-MTT Jan* 02 226-228
- dyadic Green's fn. of multilayer cylindrical closed and sector structures for waveguide, microstrip-antenna, and network anal. *Thiel, M.*, +, *T-MTT Nov* 02 2576-2579
- stable act. impedance inverter, anal. and appl. to bandpass filter design. *Young-Hoon Chun*, +, *MWSYM* 02 1911-1914 vol.3
- TLM-SPICE interconnection framework for coupled field and circuit analysis in time domain. *So, P.P.M.*, +, *T-MTT Dec* 02 2728-2733

Network analysis; cf. Linear network analysis; Nonlinear network analysis**Network parameters**

- defected ground struct., spiral shape, equiv. cct. modeling. *Chul-Soo Kim*, +, *MWSYM* 02 2125-2128 vol.3
- symmetric coupled-resonator filters, param. extraction procedure. *Heng-Tung Hsu*, +, *MWSYM* 02 1445-1448 vol.3
- variable order analog freq. divider design, nonlin. dyn. concepts. *Ramirez, F.*, +, *MWSYM* 02 127-130 vol.1

Network parameters; cf. S-parameters**Network routing; cf. Telecommunication network routing****Networks (circuits); cf. Active networks; Amplifiers; Analog circuits;**

- Attenuators; Buffer circuits; Cascade networks; Coupled circuits; Delay circuits; Demodulators; Detector circuits; Distributed parameter networks; Equalizers; Equivalent circuits; Filters; Integrated circuits; Limiters; Lumped parameter networks; Microwave circuits; Millimeter wave circuits; Mixers (circuits); Modulators; Oscillators; Passive networks; Phase locked loops; Phase shifters; Printed circuits; Programmable circuits; Submillimeter wave circuits; Switched networks; Switching circuits; Thyristor circuits; Time-varying networks; UHF circuits

Network synthesis

- concurrent multiband LNAs, theory, design, and radio receiver appl. *Hashemi, H.*, +, *T-MTT Jan* 02 288-301
- inline prototype filters, cascaded triplet/quadruplet sects. *Macchiarella, G.*, *T-MTT Jul* 02 1779-1783
- microstrip directional coupler, high-directivity, with feedback compensation. *Jia-Liang Chen*, +, *MWSYM* 02 101-104 vol.1
- multistage broadband microwave amp. design, appl. of filter synthesis tech. *Rooney, J.-P.*, +, *MWSYM* 02 1915-1918 vol.3
- power amp., harmonic tuning, design criteria. *Colantonio, P.*, +, *MWSYM* 02 1639-1642 vol.3
- RF and microwave tuned class-E power amps. *Grebennikov, A.V.*, *RFIC* 02 49-52
- spiral inductor resonator filter design and optim. *Gye-An Lee*, +, *MWSYM* 02 1621-1624 vol.3
- synthesis of advanced microwave filters without diagonal cross-couplings. *Cameron, R.J.*, +, *T-MTT Dec* 02 2862-2872

Network synthesis; cf. Circuit CAD; Circuit optimization; Integrated circuit design; Linear network synthesis; Nonlinear network synthesis; Printed circuit design

Network topology

class E power amps., finite DC feed inductor, simplified approach. *Choi, D.K.*, +, *MWSYM 02 1643-1646* vol.3
coupled resonator filters with source/load-multiresonator coupling, adaptive synthesis. *Amari, S.*, +, *T-MTT Aug 02 1969-1978*
HBT, -topol. equiv. ccts., transit-time effects. *Rudolph, M.*, +, *MWSYM 02 997-1000* vol.2
InGaP/GaAs HBT MMIC VCO, Ku band, with bal./differential topologies. *Dong-Hyun Baek*, +, *MWSYM 02 847-850* vol.2
inline prototype filters, cascaded triplet/quadruplet sects. *Macchiarella, G.*, *T-MTT Jul 02 1779-1783*
step gain differential LNA with impedance unchanged in gain control. *Tanabe, M.*, +, *RFIC 02 209-212*

Neural nets

combine-type filters, ANN and EM based models for excitation loops. *Borji, A.*, +, *MWSYM 02 2105-2108* vol.3
microwave modeling, knowledge based automatic model generation. *Devabhaktuni, V.*, +, *MWSYM 02 1097-1100* vol.2
neural-based dynamic modeling of nonlinear microwave circuits. *Xu, J.*, +, *T-MTT Dec 02 2769-2780*
nonlin. microwave circuit, dynamic neural network model. *Jianjun Xu*, +, *MWSYM 02 1101-1104* vol.2
nonlin. microwave device model param. estim. method based on vectorial large-sig. meas. *Schreurs, D.M.M.-P.*, +, *T-MTT Oct 02 2315-2319*
PHEMT, neural model, training data. *Joodaki, M.*, +, *MWSYM 02 1105-1108* vol.2
theoretical evaluation of GSM/UMTS electromagnetic fields on neuronal network response. *Apollonio, F.*, +, *T-MTT Dec 02 3029-3035*

Neurophysiology

neurological cell soln. activity, complex permitt. meas. *Tofighi, M.R.*, +, *MWSYM 02 1763-1766* vol.3
UMTS/GSM EM fields effect on neuronal network response. *Apollonio, F.*, +, *MWSYM 02 1751-1754* vol.3

Newton method

MIS interconnect, wave propag., device-level simul. *Gaofeng Wang*, +, *T-MTT Apr 02 1127-1136*
self-oscillating microstrip antennas, coupled EM/nonlin. optim. *Rizzoli, V.*, +, *MWSYM 02 123-126* vol.1

Niobium alloys

Co₈₅Nb₁₅ film, ferromag. RF integrated inductor. *Yarnaguchi, M.*, +, *MWSYM 02 197-200* vol.1

Noise

dielec. resonators, transm.-mode Q-factor meas. tech. *Leong, K.*, +, *T-MTT Sep 02 2115-2127*
Nakagami/Rice fading channels, diversity combining techs., generalized soln. *da Silva, C.R.C.M.*, +, *T-MTT Jan 02 46-50*

Noise; cf. Acoustic noise; Circuit noise; Electromagnetic interference; Electron device noise; Optical noise; Phase noise

Noise measurement

DC, RF, and microwave noise performs. of AlGaIn/GaN HEMTs on sapphire substrs. *Lu, W.*, +, *T-MTT Nov 02 2499-2504*

Noise measurement; cf. Electric noise measurement

Nondestructive testing

concrete struct., damage detect., microwave refl. tomography array. *Yoo Jin Kim*, +, *MWSYM 02 651-654* vol.2
impulse ground penetrating radar, pavement NDE. *Jeong Soo Lee*, +, *MWSYM 02 1361-1363* vol.2

Nonelectric sensing devices; cf. Optical sensors

Nonlinear differential equations

nonlin. oscillator, phase-noise anal., time-domain/freq.-domain approaches. *Suarez, A.*, +, *T-MTT Oct 02 2353-2361*

Nonlinear distortion

act. predistorter, cascode-FET struct. *Moon-Suk Jeon*, +, *RFIC 02 253-256*
adaptive Volterra predistorter for RF high power amp. lin. in wireless commun. *Anding Zhu*, +, *MWSYM 02 461-464* vol.1
CDMA sigs. in nonlin. RF syst., stat. modeling of interact. *Gharaibeh, K.M.*, +, *MWSYM 02 143-147* vol.1
digital phased arrays, correl. of nonlin. distortion, meas. and mitigation. *Howard, L.C.*, +, *MWSYM 02 49-52* vol.1
FET device, nonlin. distortion, Smoothie data base model. *Cuoco, V.*, +, *MWSYM 02 2149-2152* vol.3
RF power amp. lin., adaptive predistortion feedback path, anti-aliasing filter effects. *Weiyun Shan*, +, *MWSYM 02 469-472* vol.1
W-CDMA base-station power amp., adaptive digital predistortion. *Potter, C.*, *RFIC 02 275-278*

Nonlinear distortion; cf. Harmonic distortion; Intermodulation distortion

Nonlinear dynamical systems

variable order analog freq. divider design, nonlin. dyn. concepts. *Ramirez, F.*, +, *MWSYM 02 127-130* vol.1

Nonlinear equations

microwave power divider/combiner struct., all-50 . *Turan, E.*, +, *MWSYM 02 105-108* vol.1

Nonlinear equations; cf. Nonlinear differential equations

Nonlinear network analysis

act. nonlin. microwave ccts., finite-element time-domain soln. using PMLs. *Hsiao-Ping Tsai*, +, *T-MTT Oct 02 2226-2232*
LDMOS transistor amps., IMD behavior. *Fager, C.*, +, *MWSYM 02 131-134* vol.1
multistage monolithic microwave power amps., anal. and elim. of parametric oscills. *Anakabe, A.*, +, *MWSYM 02 2181-2184* vol.3
oscillator, phase-noise anal., time-domain/freq.-domain approaches. *Suarez, A.*, +, *T-MTT Oct 02 2353-2361*
PLL-based fractional synthesizer, nonlin. anal. *Sancho, S.*, +, *MWSYM 02 2185-2188* vol.3
power amps., nonlin. response modeling, augmented behavioral charactn. *Asbeck, P.M.*, +, *MWSYM 02 135-138* vol.1
RF cct. simul., modulated sig. *Pedro, J.C.*, +, *MWSYM 02 2173-2176* vol.3
RF/microwave ccts./systs., CAD/CAE. *Steer, M.B.*, +, *T-MTT Mar 02 996-1005*
RF power amps. with memory effects, behavioral model, two-tone meas. *Hyunchul Ku*, +, *MWSYM 02 139-142* vol.1
source-pull separation from nonlin. syst. behavior. *Crama, P.*, +, *T-MTT Aug 02 1890-1894*
universal parameterized nonlin. device model formulation for microwave cct. simul. *Christoffersen, C.E.*, +, *MWSYM 02 2189-2192* vol.3

Nonlinear network synthesis

microwave circuit, dynamic neural network model. *Jianjun Xu*, +, *MWSYM 02 1101-1104* vol.2
neural-based dynamic modeling of nonlinear microwave circuits. *Xu, J.*, +, *T-MTT Dec 02 2769-2780*
variable order analog freq. divider design, nonlin. dyn. concepts. *Ramirez, F.*, +, *MWSYM 02 127-130* vol.1

Nonlinear optics; cf. Optical saturation

Nonlinear programming; cf. Quadratic programming

Nonlinear systems

microwave nonlin. systs. and devices, IMD response asymmetries. *Borges de Carvalho, N.*, +, *T-MTT Sep 02 2090-2101*
TLM-SPICE interconnection framework for coupled field and circuit analysis in time domain. *So, P.P.M.*, +, *T-MTT Dec 02 2728-2733*

Nonlinear systems; cf. Bilinear systems; Nonlinear dynamical systems

Nonradiative dielectric waveguides

discontinuities investig., TLM-based modal-extraction approach. *Ghosh, B.*, +, *T-MTT Oct 02 2294-2304*
engraved NRD guide for mm-wave ICs, design considerations. *Cassivi, Y.*, +, *T-MTT Jan 02 165-171*
hybrid planar NRD-guide magic-tee jn. *Cassivi, Y.*, +, *T-MTT Oct 02 2405-2408*
open struct., guided modes, complex effective dielec. const. *Xiang-yin Zeng*, +, *T-MTT May 02 1417-1424*
parallel-plate dielec. waveguide, excitation by coaxial probe study. *Kwan, G.K.C.*, +, *T-MTT Jun 02 1609-1620*
transverse slot in NRD-guide operating in LSE₀₀ mode, radiation and leakage characts. *Xiang-Yin Zeng*, +, *T-MTT Jun 02 1636-1639*

Notch filters

slotted strip iris harmonic rejection filters. *Kirilenko, A.*, +, *MWSYM 02 373-376* vol.1

Numerical analysis

chirrowaveguides, 2D and 3D discontinuities study. *Wu, T.X.*, +, *T-MTT Oct 02 2320-2330*
coaxial couplers and waveguides with complex cross sect., conformal mapping design/anal. tools. *Teppati, V.*, +, *T-MTT Oct 02 2339-2345*
microwave/RF education, past/present/future. *Gupta, K.C.*, +, *T-MTT Mar 02 1006-1014*
multistrip transm. lines, EM eigenvalue problems, full-wave anal. *Casanueva, A.*, +, *T-MTT Jan 02 36-40*
num. anal. of traveling-wave photodetectors' bandwidth using FDTD method. *Soon-Cheol Kong*, +, *T-MTT Nov 02 2589-2597*

Numerical analysis; cf. Boundary-elements methods; Convergence of numerical methods; Curve fitting; Error analysis; Finite difference methods; Finite element analysis; Function approximation; Interpolation; Iterative methods; Least squares approximations; Method of lines; Method of moments; Monte Carlo methods; Transmission line matrix methods

Numerical stability

3D SCN TLM method, Z-transform-based ABC. *Zhenhai Shao*, +, *T-MTT Jan 02 222-225*
extended FDTD tech. includ. pass. and act. elements, stabil. anal. *Thiel, W.*, +, *T-MTT Sep 02 2159-2165*
ferrite-loaded microstrip lines/slot lines, leaky forward vol. MSW propag. *Marques, R.*, +, *T-MTT Aug 02 1935-1941*
full-wave 2D ADI-FDTD method for anal. of arbitrary waveguiding struct., stabil. condition. *Changning Ma*, +, *MWSYM 02 2049-2052* vol.3

mixed-sig. IC interconnects, EM modeling, num. stable methodology. *Rong, A.*, +, *MWSYM 02 1893-1896 vol.3*
 Mobius transform. tech. for FDTD modeling of wave propag. in dispersive media. *Pereda, J.A.*, +, *T-MTT Jul 02 1689-1695*
 unconditionally stable FDTD method in cylindrical coord. syst. *Chenghao Yuan*, +, *T-MTT Oct 02 2401-2405*

O

Object detection

rly. crossing obstacle sens. MM wave SS radar syst. *Watanabe, M.*, +, *MWSYM 02 791-794 vol.2*

Object detection; cf. Buried object detection**OFDM modulation**

5-GHz CMOS WLAN stds. & receiver implement. *Lee, T.H.*, +, *T-MTT Jan 02 268-280*
 generalized reaction and unrestricted variational formulation of cavity resonators - part II, nonorthogonal and free-boundary mode-matching method. *Shams-Zadeh-Amiri, A.M.*, +, *T-MTT Nov 02 2491-2498*
 HIPERLAN/2 syst., OFDM power-amp. transient tracking. *Bateman, D.*, +, *MWSYM 02 803-806 vol.2*

Operational amplifiers

CMOS RFICs, ESD protection, parasitic effects. *Ke Gong*, +, *T-MTT Jan 02 393-402*
 front-end CMOS chipset for 10 Gbit/s opt. commun. *Petersen, A.K.*, +, *RFIC 02 93-96*

Optical arrays

opt. commun. sigs., security syst. with fiber Bragg gratings. *Torres, P.*, +, *T-MTT Jan 02 13-16*
 optoelectronic array packaging, micromachined partially shielded microstrip interconnect. *Banerjee, S.R.*, +, *MWSYM 02 1565-1568 vol.3*

Optical circulators

unapodized chirped fiber Bragg gratings, dispersion compensation in long-haul transm. systs. *Rocha, M.L.*, +, *T-MTT Jan 02 88-93*

Optical communication; cf. Optical communication equipment; Optical fiber communication**Optical communication equipment**

AlGaAs HMSM photodetector, reson. cavity, short haul commun. *Xiying Chen*, +, *MWSYM 02 1281-1284 vol.2*
 AlGaAs/InGaAs/AlGaAs p-HEMT distrib. amp. MMICs, opt. modulator driver appl. *Virk, R.S.*, +, *MWSYM 02 91-95 vol.1*
 differentially-tuned CMOS LC VCO for 10 Gbit/s clock-and-data-recovery ccts. *Mukherjee, D.*, +, *MWSYM 02 707-710 vol.2*
 GaAs MHEMT distributed amp. for 40-Gb/s opt. appls. *Heins, M.S.*, +, *MWSYM 02 1061-1064 vol.2*
 GaAs pHEMT HV 40 Gb/s E/O modulator driver ICs. *Carroll, J.M.*, +, *MWSYM 02 489-492 vol.1*
 high-speed fiber optic data links, component design aspects. *Mader, T.*, *RFIC 02 81-84*
 InP DHBT technol. high speed master-slave D-type flip-flop. *Kasbari, A.-E.*, +, *MWSYM 02 1057-1060 vol.2*
 InP HBT VCO IC for OC-768 fiber optic commun. appls. *Liyang Zhang*, +, *RFIC 02 85-88*
 InP/InGaAs fully integrated 40-Gbit/s clock and data recovery cct., opt. commun. systs. *Nosaka, H.*, +, *MWSYM 02 83-86 vol.1*
 InP/InGaAs HPT direct opt. injection-locked oscillator ICs for optoelectronic clock recovery ccts., 10/39 GHz. *Kamitsuna, H.*, +, *MWSYM 02 1699-1702 vol.3*
 LiNbO₃ TW modulator, substr. modes. *Goverdhanam, K.*, *MWSYM 02 1285-1288 vol.2*
 OC-192/OC-768 fiber opt. ICs, global layout model, quasistatic MoM. *Huang, C.-W.P.*, +, *RFIC 02 97-100*
 predistortion cct. design for 2nd- and 3rd-order lin. in laser-based radio-over-fiber systs. *Roselli, L.*, +, *MWSYM 02 1711-1714 vol.3*
 SiGe BiCMOS octave tunable RC-ring oscillator for fiber optic transceivers. *Sanduleanu, M.A.T.*, +, *RFIC 02 435-438*
 SiGe bipolar transimpedance amp. array for 12 parallel 10 Gb/s opt. fiber links. *Schild, A.*, +, *RFIC 02 89-92*
 TW electroabsorption modulator, cct. model. *Jiyoun Lim*, +, *MWSYM 02 1707-1710 vol.3*

Optical communication equipment; cf. Optical receivers; Optical transmitters**Optical control**

CW-mode opt. controlled microwave switch with carrier-confine. struct. *Sangil Lee*, +, *MWSYM 02 1289-1292 vol.2*
 multiple-output photonic RF phase shifters for opt. controlled radar systs. *Fetterman, H.*, +, *MWSYM 02 1937-1940 vol.3*
 opt. controlled phased array antennas for wireless commun., flexible beamformer/remoting head. *Riza, N.A.*, +, *MWSYM 02 1941-1944 vol.3*
 slot line on semicond. plasma substr., opt. control of MM-waves. *Dana, S.K.*, +, *T-MTT Jan 02 207-210*

Optical crosstalk

microwave fiber-radio links, nonlin. distortion/crosstalk. *Funk, E.E.*, +, *MWSYM 02 1691-1693 vol.3*

Optical delay lines

photonic true-time delay beamformer for broadband wireless access networks. *Vidal, B.*, +, *MWSYM 02 1949-1952 vol.3*

Optical dispersion; cf. Optical fiber dispersion**Optical elements; cf.** Optical delay lines; Optical phase shifters; Optical waveguides**Optical fabrication**

layer-by-layer photonic cryst. fab. for submillimeter-wave freqs. *Gonzalo, R.*, +, *T-MTT Oct 02 2384-2392*
 SiO₂/Si₃N₄ integrated-optics waveguides on Si substrs., design and fab. *Bulla, D.A.P.*, +, *T-MTT Jan 02 9-12*

Optical fiber amplifiers

OC-192/OC-768 fiber opt. ICs, global layout model, quasistatic MoM. *Huang, C.-W.P.*, +, *RFIC 02 97-100*

Optical fiber communication

carrier regeneration and reuse with gain compress. and feedforward SOAs. *Conforti, E.*, +, *T-MTT Jan 02 77-81*
 GaAs MHEMT transimpedance amp. IC for 40-Gb/s appls., fiber optic commun. systs. *Campbell, C.F.*, +, *MWSYM 02 79-82 vol.1*
 GaAs PHEMT distributed amps. for 40 Gb/s EO modulator driver appl., high output. *Yuen, C.*, +, *MWSYM 02 481-484 vol.1*
 GaAs single-MMIC four-channel transmitter, multichannel RF/opt. SCM commun. *Sangwoo Han*, +, *T-MTT Apr 02 1173-1179*
 high-speed fiber optic data links, component design aspects. *Mader, T.*, *RFIC 02 81-84*
 InP/InGaAs fully integrated 40-Gbit/s clock and data recovery cct., opt. commun. systs. *Nosaka, H.*, +, *MWSYM 02 83-86 vol.1*
 microwave fiber-radio links, nonlin. distortion/crosstalk. *Funk, E.E.*, +, *MWSYM 02 1691-1693 vol.3*
 predistortion cct. design for 2nd- and 3rd-order lin. in laser-based radio-over-fiber systs. *Roselli, L.*, +, *MWSYM 02 1711-1714 vol.3*
 security syst. with fiber Bragg gratings. *Torres, P.*, +, *T-MTT Jan 02 13-16*
 SiGe BiCMOS RC-ring oscillator, fiber optic transceiver. *Sanduleanu, M.A.T.*, +, *MWSYM 02 545-548 vol.1*
 SiGe bipolar transimpedance amp. array for 12 parallel 10 Gb/s opt. fiber links. *Schild, A.*, +, *RFIC 02 89-92*

Optical fiber communication; cf. Optical fiber networks**Optical fiber dispersion**

microwave fiber-radio links, nonlin. distortion/crosstalk. *Funk, E.E.*, +, *MWSYM 02 1691-1693 vol.3*
 photonic true-time delay beamformer for broadband wireless access networks. *Vidal, B.*, +, *MWSYM 02 1949-1952 vol.3*
 subcarrier-based control implement. for opt. networking. *Willner, A.E.*, *MWSYM 02 1687-1690 vol.3*
 unapodized chirped fiber Bragg gratings, dispersion compensation in long-haul transm. systs. *Rocha, M.L.*, +, *T-MTT Jan 02 88-93*
 WDM fiber-radio transm. using InP:Fe cryst.-based wavelength-self-tunable SSB filter. *Vourch, E.*, +, *MWSYM 02 1703-1706 vol.3*

Optical fiber filters

WDM fiber-radio transm. using InP:Fe cryst.-based wavelength-self-tunable SSB filter. *Vourch, E.*, +, *MWSYM 02 1703-1706 vol.3*

Optical fiber networks

BPSK mm-wave sigs., opt. delivery via free-running laser heterodyne with freq. drift cancellation. *Johansson, L.A.*, +, *MWSYM 02 1695-1697 vol.3*
 GaAs MHEMT distributed amp. for 40-Gb/s opt. appls. *Heins, M.S.*, +, *MWSYM 02 1061-1064 vol.2*
 microwave fiber-radio links, nonlin. distortion/crosstalk. *Funk, E.E.*, +, *MWSYM 02 1691-1693 vol.3*
 subcarrier-based control implement. for opt. networking. *Willner, A.E.*, *MWSYM 02 1687-1690 vol.3*
 unapodized chirped fiber Bragg gratings, dispersion compensation in long-haul transm. systs. *Rocha, M.L.*, +, *T-MTT Jan 02 88-93*
 WDM fiber-radio transm. using InP:Fe cryst.-based wavelength-self-tunable SSB filter. *Vourch, E.*, +, *MWSYM 02 1703-1706 vol.3*

Optical fiber polarization

subcarrier-based control implement. for opt. networking. *Willner, A.E.*, *MWSYM 02 1687-1690 vol.3*

Optical fibers; cf. Optical fiber dispersion; Optical fiber filters; Optical fiber polarization**Optical information processing; cf.** Acousto-optical signal processing**Optical instruments; cf.** Optical sensors; Polarimeters**Optical links**

BPSK mm-wave sigs., opt. delivery via free-running laser heterodyne with freq. drift cancellation. *Johansson, L.A.*, +, *MWSYM 02 1695-1697 vol.3*
 microwave fiber-radio links, nonlin. distortion/crosstalk. *Funk, E.E.*, +, *MWSYM 02 1691-1693 vol.3*

Optical losses

SiO₂/Si₃N₄ integrated-optics waveguides on Si substr., design and fab. *Bulla, D.A.P.*, +, *T-MTT Jan 02* 9-12

Optical materials; cf. Photorefractive materials**Optical modulation**

carrier regeneration and reuse with gain compress. and feedforward SOAs. *Conforti, E.*, +, *T-MTT Jan 02* 77-81

WDM fiber-radio transm. using InP:Fe cryst.-based wavelength-self-tunable SSB filter. *Vourch, E.*, +, *MWSYM 02* 1703-1706 vol.3

Optical modulation; cf. Electro-optical modulation**Optical noise**

BPSK mm-wave sigs., opt. delivery via free-running laser heterodyne with freq. drift cancellation. *Johansson, L.A.*, +, *MWSYM 02* 1695-1697 vol.3

Optical noise; cf. Laser noise; Optical crosstalk**Optical phase shifters**

multiple-output photonic RF phase shifters for opt. controlled radar systs. *Fetterman, H.*, +, *MWSYM 02* 1937-1940 vol.3

Optical properties; cf. Optical losses; Optical noise; Optical saturation; Transparency**Optical receivers**

front-end CMOS chipset for 10 Gbit/s opt. commun. *Petersen, A.K.*, +, *RFIC 02* 93-96

GaAs-based HBT 40 Gbit/s opt. receiver IC chipset. *Amamiya, Y.*, +, *MWSYM 02* 87-90 vol.1

GaAs MHEMT transimpedance amp. IC for 40-Gb/s appls., fiber optic commun. systs. *Campbell, C.F.*, +, *MWSYM 02* 79-82 vol.1

heterodimensional contacts, barrier enhancement mechanisms, effect on current transport. *Anwar, A.*, +, *T-MTT Jan 02* 68-71

InP/InGaAs fully integrated 40-Gbit/s clock and data recovery cct., opt. commun. systs. *Nosaka, H.*, +, *MWSYM 02* 83-86 vol.1

p-i-n/HEMT and MSM/HEMT monolithic photoreceivers, high-speed, comparison. *Fay, P.*, +, *T-MTT Jan 02* 62-67

Optical resolving power; cf. Image resolution**Optical resonators**

AlGaAs HMSM photodetector, reson. cavity, short haul commun. *Xiyang Chen*, +, *MWSYM 02* 1281-1284 vol.2

Optical resonators; cf. Fabry-Perot resonators**Optical saturation**

analytical small-signal bias-dependent nonuniform model for p-i-n traveling-wave photodetectors. *Torrese, G.*, +, *T-MTT Nov 02* 2553-2557

Optical sensors

integrated automotive sens., radar and IR, IVHS. *Russell, M.E.*, +, *T-MTT Mar 02* 674-677

Optical sensors; cf. Fiber optic sensors**Optical switches**

photonic true-time delay beamformer for broadband wireless access networks. *Vidal, B.*, +, *MWSYM 02* 1949-1952 vol.3

Optical transmitters

BPSK mm-wave sigs., opt. delivery via free-running laser heterodyne with freq. drift cancellation. *Johansson, L.A.*, +, *MWSYM 02* 1695-1697 vol.3

GaAs PHEMT distributed amps. for 40 Gb/s EO modulator driver appl., high output. *Yuen, C.*, +, *MWSYM 02* 481-484 vol.1

GaAs single-MMIC four-channel transmitter, multichannel RF/opt. SCM commun. *Sangwoo Han*, +, *T-MTT Apr 02* 1173-1179

Optical tuning

WDM fiber-radio transm. using InP:Fe cryst.-based wavelength-self-tunable SSB filter. *Vourch, E.*, +, *MWSYM 02* 1703-1706 vol.3

Optical waveguide components

multiple-output photonic RF phase shifters for opt. controlled radar systs. *Fetterman, H.*, +, *MWSYM 02* 1937-1940 vol.3

Optical waveguide components; cf. Optical circulators**Optical waveguide filters; cf.** Optical fiber filters**Optical waveguides**

SiO₂/Si₃N₄ integrated-optics waveguides on Si substr., design and fab. *Bulla, D.A.P.*, +, *T-MTT Jan 02* 9-12

Optical workshop techniques; cf. Optical fabrication**Optics; cf.** Fourier transform optics; Geometrical optics; Integrated optics; Micro-optics**Optimization**

2D image reconstruction algm. based on FDTD/design sensitivity anal. *No-Weon Kang*, +, *MWSYM 02* 1143-1146 vol.2

circ. waveguide polarizers with ellipt. irises, full-wave design & optim. *Bertin, G.*, +, *T-MTT Apr 02* 1077-1083

EM-based optimization exploiting partial space mapping and exact sensitivities. *Bandler, J.W.*, +, *T-MTT Dec 02* 2741-2750

EM based optim. of advanced waffle-iron and rect. combline filters, CAD method. *Arndt, F.*, +, *MWSYM 02* 2053-2056 vol.3

feasible adjoint sensitivity technique for EM design optimization. *Georgieva, N.K.*, +, *T-MTT Dec 02* 2751-2758

InP-HBT small-sig. equiv. ccts., improved automatic param. extraction. *Willen, B.*, +, *T-MTT Feb 02* 580-583

microwave struct., fast finite-element-based field optimizer using anal. calc. gradients. *Harscher, P.*, +, *T-MTT Feb 02* 433-439

new 2-D image reconstruction algorithm based on FDTD and design sensitivity analysis. *Kang, N.-W.*, +, *T-MTT Dec 02* 2734-2740

nonlin. microwave device model param. estim. method based on vectorial large-sig. meas. *Schreurs, D.M.M.-P.*, +, *T-MTT Oct 02* 2315-2319

parallel line edge mode microstrip isolators, modeling/optim. *Aly, A.H.*, +, *MWSYM 02* 1479-1482 vol.3

RF-MEMS reconfigurable tuners, modeling/optim. using FDTD techs. *Bushyager, N.*, +, *MWSYM 02* 883-886 vol.2

RF struct. optim., multiresolution time-domain adaptive schemes using arbitrary wavelet resolns. *Tentzeris, E.M.*, +, *T-MTT Feb 02* 501-516

spatial power combiners, waveguide-based with hard horn feeds, array params. optim. *Ozkar, M.*, +, *MWSYM 02* 1301-1304 vol.2

Optimization; cf. Circuit optimization; Genetic algorithms; Gradient methods; Minimization**Optoelectronic devices**

1999 International Microwave and Optoelectronics Conference (special issue). *T-MTT Jan 02* 1-93

1999 International Microwave and Optoelectronics Conference (special issue intro.). *Hernandez-Figueroa, H.E.*, +, *T-MTT Jan 02* 1-3

direct optical injection locking of InP/InGaAs HPT oscillator ICs for microwave photonics and 40-Gbit/s-class optoelectronic clock recovery. *Kamitsuna, H.*, +, *T-MTT Dec 02* 3002-3008

Optoelectronic devices; cf. Integrated optoelectronics; Microwave photonics; Photodetectors**Organic compounds**

AlGaAs/InGaAs doped-channel power FETs, low-k BCB bridged proc. *Hsien-Chin Chiu*, +, *MWSYM 02* 521-524 vol.1

Organic compounds; cf. Organometallic compounds; Polymers**Organometallic compounds**

fabrication of MOD-derived YBCO films on (001)LaAlO₃ and their application to $\lambda/4$ CPW SIR BPFs. *Sanada, A.*, +, *T-MTT Dec 02* 2856-2861

Oscillations; cf. Circuit oscillations; Electromagnetic oscillations**Oscillators**

comments, with reply, on "General oscillator characterization using linear open-loop S-parameters" (Jun 01 1094-1100). *Cascio, L.*, +, *T-MTT Jan 02* 226-228

simul./stabil. test accel. using symm. device. *Ramberger, S.*, +, *MWSYM 02* 967-970 vol.2

Oscillators; cf. Dielectric resonator oscillators; Feedback oscillators; Gunn oscillators; Harmonic oscillators (circuits); Injection locked oscillators; Phase locked oscillators; Radiofrequency oscillators; Tunnel diode oscillators; Variable-frequency oscillators; Voltage-controlled oscillators**Oscilloscopes**

high-bandwidth sampling oscilloscope calib., NPL optoelectronic syst. *Smith, A.J.A.*, +, *MWSYM 02* 1501-1504 vol.3

Ovens

microwave oven, heating proc. modeling, heat radiation effects. *Haala, J.*, +, *T-MTT May 02* 1346-1354

P**Packaging**

2002 International Microwave Symposium (special issue). *T-MTT Dec 02* 2660, 2679-3076

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compact single-chip W-band FMCW radar modules for commercial high-resolution sensor applications. *Tessmann, A.*, +, *T-MTT Dec 02* 2995-3001

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lumped element FDTD model, packaging effects. *Boon Ping Koh*, +, *MWSYM 02* 1139-1142 vol.2

microwave BAW/SAW materials/devices/appls. *Weigel, R.*, +, *T-MTT Mar 02* 738-749

multilayer organic syst. on package integrated pass., RF-microwave multi-band design solns. *Davis, M.F.*, +, *MWSYM 02* 2217-2220 vol.3

NWA based on photonic techs. and act. photonic probes for on-wafer meas. *Nagatsuma, T.*, +, *MWSYM 02* 1497-1500 vol.3

optoelectronic array packaging, micromachined partially shielded microstrip interconnect. *Banerjee, S.R.*, +, *MWSYM 02* 1565-1568 vol.3

Packaging; cf. Ball grid arrays; Ceramic packaging; Chip-on-board packaging; Integrated circuit packaging; Multichip modules; Plastic packaging; Semiconductor device packaging; Surface mount technology; Thermal management (packaging)**Parallel algorithms**

radiobase antenna dosimetric problems, parallel FDTD tool. *Catarinucci, L.*, +, *MWSYM 02* 1755-1758 vol.3

Parallel plate waveguides

- ferrite-loaded microstrip lines/slot lines, leaky forward vol. MSW propag. Marques, R., +, *T-MTT Aug 02* 1935-1941
- parallel-plate dielec. waveguide, excitation by coaxial probe study. Kwan, G.K.C., +, *T-MTT Jun 02* 1609-1620
- PCB, RF multilayer layout, EM coupling, full-wave model. Abdul-Gaffoor, M.R., +, *T-MTT Jun 02* 1445-1457
- perfectly matched layers, 3D finite-difference freq.-domain method. Tischler, T., +, *MWSYM 02* 1885-1888 vol.3
- shielded planar struct., summation-by-parts algm., convergence accel. Mosig, J.R., +, *T-MTT Jan 02* 215-218

Parallel processing; cf. Parallel algorithms**Parameter estimation**

- cpd. multilayered struct., material params., GA. Zwick, T., +, *T-MTT Apr 02* 1180-1187
- EM-simulator based param. extraction/optimiz. Harscher, P., +, *MWSYM 02* 1113-1116 vol.2
- HBT, -topol. equiv. ccts., transit-time effects. Rudolph, M., +, *MWSYM 02* 997-1000 vol.2
- InGaP/GaAs power HBT, electro-thermal large-sig. model, param. extraction. Hyun-Min Park, +, *MWSYM 02* 1009-1012 vol.2
- nonlin. microwave device model param. estim. method based on vectorial large-sig. meas. Schreurs, D.M.M.-P., +, *T-MTT Oct 02* 2315-2319
- optimal parameter extraction and uncertainty estimation in intrinsic FET small-signal models. Fager, C., +, *T-MTT Dec 02* 2797-2803
- parameter extraction for symmetric coupled-resonator filters. Hsu, H.-T., +, *T-MTT Dec 02* 2971-2978
- peeling algorithm for extraction of HBT small-signal equivalent circuit. Sheinman, B., +, *T-MTT Dec 02* 2804-2810

Parametric amplifiers; cf. Microwave parametric amplifiers**Parametric devices**

- submillimeter-wave sideband generation using varactor Schottky diodes. Kurtz, D.S., +, *T-MTT Nov 02* 2610-2617

Partial differential equations

- RF cct. simul., modulated sig. Pedro, J.C., +, *MWSYM 02* 2173-2176 vol.3

Partial differential equations; cf. Maxwell equations**Particle beams; cf.** Electron beams**Particle spectrometers; cf.** Time of flight spectrometers**Passivation**

- AlGaAs/InGaAs doped-channel power FETs, low-k BCB bridged proc. Hsien-Chin Chiu, +, *MWSYM 02* 521-524 vol.1
- AlGaAs/InGaAs high lin. power HFETs using low-k BCB bridged and passivated proc. Hsien-Chin Chiu, +, *RFIC 02* 411-414

Passive filters

- CAD of waveguide struct. with prod. based rads. at double plane steps and jn. ports. Reiter, J.M., +, *MWSYM 02* 2081-2084 vol.3
- cascaded quintuplet filter structs., direct synthesis using lowpass prototype. Reeves, T., +, *MWSYM 02* 1441-1444 vol.3
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- dual freq. rectenna for high efficiency wireless power transm. at 2.45 and 5.8 GHz. Young-Ho Suh, +, *MWSYM 02* 1297-1300 vol.2
- dual-mode filters with grooved dielec. resonator loaded cavity for cellular radio base-stations. Accatino, L., +, *MWSYM 02* 1453-1456 vol.3
- dual mode TE_{11n} cavity filter with trifurcated iris and reduced footprint. Ming Yu, +, *MWSYM 02* 1457-1460 vol.3
- folded coupled-line struct., anal., appl. to filter and diplexer design. Chih-Ming Tsai, +, *MWSYM 02* 1927-1930 vol.3
- folded waveguide filters with cross couplings, design procedure. Kocbach, J., +, *MWSYM 02* 1449-1452 vol.3
- interdigital filters, optim. by CAD applying coupling ident. method. Saboureaux, C., +, *MWSYM 02* 2089-2092 vol.3
- interdigital hairpin bandpass filter, design using model of coupled slots. Deleniv, A.N., +, *T-MTT Sep 02* 2153-2158
- manifold MUX design, appl. of spurious mode compensation tech. Bariant, D., +, *MWSYM 02* 1461-1464 vol.3
- multilayer and anisotropic planar compact PBG struct. for microstrip appls. Caloz, C., +, *T-MTT Sep 02* 2206-2208
- multilayer organic syst. on package integrated pass., RF-microwave multi-band design solns. Davis, M.F., +, *MWSYM 02* 2217-2220 vol.3
- multilayer spatial ang. filter with air gap tuner for microstrip patch array grating lobes suppress. Youngju Lee, +, *MWSYM 02* 1329-1332 vol.2
- resonator filters, synthesis without diagonal cross-couplings. Cameron, R.J., +, *MWSYM 02* 1437-1440 vol.3
- SiGe 2.4-GHz HBT power amp. with high-Q LTCC harmonic suppression filter. Raghavan, A., +, *MWSYM 02* 1019-1022 vol.2
- Si planar waveguide filter at 45 GHz based on periodic struct., design and fab. Lenoir, B., +, *MWSYM 02* 1923-1926 vol.3
- symmetric coupled-resonator filters, param. extraction procedure. Heng-Tung Hsu, +, *MWSYM 02* 1445-1448 vol.3

X-band microstrip bandpass filter using photoimageable thick-film materials. Ng, C.Y., +, *MWSYM 02* 2209-2212 vol.3

YBaCuO HTSC microwave filters, tuning by laser trimming. Parker, N.J., +, *MWSYM 02* 1971-1974 vol.3

Passive filters; cf. Surface acoustic wave filters**Passive networks**

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- multiport ccts., equiv. cct. models. Neumayer, R., +, *MWSYM 02* 721-724 vol.2
- synthesis of equivalent-circuit models for multiports characterized by frequency-dependent parameters. Neumayer, R., +, *T-MTT Dec 02* 2789-2796

Passive networks; cf. Passive filters**Patient diagnosis**

RF/microwave appls. in med., therapeutic/diagnostic appls. Rosen, A., +, *T-MTT Mar 02* 963-974

Patient diagnosis; cf. Biomedical imaging**Patient monitoring**

Doppler radar sens. of vital signs using wireless commun. terminal. Lubecke, V., +, *MWSYM 02* 1767-1770 vol.3

Patient treatment; cf. Radiation therapy**Pattern recognition; cf.** Object detection**Performance evaluation**

- DC, RF, and microwave noise performs. of AlGaIn/GaN HEMTs on sapphire substrs. Lu, W., +, *T-MTT Nov 02* 2499-2504
- hot-carrier and soft-breakdown effects on VCO performance. Enjun Xiao, +, *T-MTT Nov 02* 2453-2458
- perform. charactn. of FPGA techs. for calib. and beamforming in smart antenna appls. Nuteson, T.W., +, *T-MTT Dec 02* 3043-3051
- theoretical evaluation of GSM/UMTS electromagnetic fields on neuronal network response. Apollonio, F., +, *T-MTT Dec 02* 3029-3035

Periodic structures

- 2D photonic crystals. excited by line source, phased-array method to determ. Green's fns. Caloz, C., +, *T-MTT May 02* 1380-1391
- capacitive defect EBG resonator. Xun Gong, +, *MWSYM 02* 1091-1094 vol.2
- dielec. rod waveguide, surface corrugation, num. anal. Kubo, H., +, *T-MTT May 02* 1256-1263
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- neg. refr. index metamaterials supporting 2-D waves. Iyer, A.K., +, *MWSYM 02* 1067-1070 vol.2
- periodic structs., RWG triangle subdomain basis fns. modif. Simon, P.S., *MWSYM 02* 2029-2032 vol.3
- photonic bandgap sandwich struct., forbidden microwave transm. Yunbo Pang, +, *MWSYM 02* 1157-1160 vol.2
- planar negative refractive index media using periodically L-C loaded transmission lines. Eleftheriades, G.V., +, *T-MTT Dec 02* 2702-2712
- propag. characts. of finite-width conductor-backed coplanar waveguides with periodic electromagnetic bandgap cells. Shau-Gang Mao, +, *T-MTT Nov 02* 2624-2628
- Si planar waveguide filter at 45 GHz based on periodic struct., design and fab. Lenoir, B., +, *MWSYM 02* 1923-1926 vol.3
- slow-wave bandpass filters, ring and stepped-impedance hairpin resonators. Lung-Hwa Hsieh, +, *T-MTT Jul 02* 1795-1800
- waveguide modal coupling coeffs. eval. by contour integrals. Bozzi, M., +, *T-MTT Jul 02* 1853-1855

Permittivity

- AlGaAs/InGaAs high lin. power HFETs using low-k BCB bridged and passivated proc. Hsien-Chin Chiu, +, *RFIC 02* 411-414
- Al₂O₃ high-K dielec., RF MIM capacitor. Chen, S.B., +, *MWSYM 02* 201-204 vol.1
- AlTiO_x high-K dielec., RF MIM capacitor. Chen, S.B., +, *MWSYM 02* 201-204 vol.1
- BaSrTiO₃ high-isolation MEMS capacitive switches for K-/Ka-band appls. Yu Liu, +, *MWSYM 02* 227-230 vol.1
- coplanar ferroelec. thin-film devices, anisotropic permitt./atten. from propag. constns., full-wave Green's fn. solver. Krowne, C.M., +, *T-MTT Feb 02* 537-548
- cpd. multilayered struct., material params., GA. Zwick, T., +, *T-MTT Apr 02* 1180-1187
- HDPE, low-loss, microwave props., cryogenic temps. Jacob, M.V., +, *T-MTT Feb 02* 474-480
- metamaterials, effective material params. calc., FDTD and modal approach, reson. struct. Schuhmann, R., +, *MWSYM 02* 2037-2040 vol.3
- miniaturized stripline-to-microstrip-line coupler design. Rambabu, K., +, *MWSYM 02* 97-100 vol.1

- multilayer spatial ang. filter with air gap tuner for microstrip patch array grating lobes suppress. *Youngju Lee, +, MWSYM 02 1329-1332 vol.2*
- open struct., guided modes, complex effective dielec. const. *Xiang-yin Zeng, +, T-MTT May 02 1417-1424*
- PLZT ferroelec. cathode, microwave gyro amp. *Einat, M., +, T-MTT Apr 02 1227-1230*
- polystyrene, cross-linked, low-loss, microwave props., cryogenic temps. *Jacob, M.V., +, T-MTT Feb 02 474-480*
- PTFE, low-loss, microwave props., cryogenic temps. *Jacob, M.V., +, T-MTT Feb 02 474-480*
- rect. waveguides, arbitrarily shaped inductive obstacles, hybrid mode-matching/num. method. *Esteban, H., +, T-MTT Apr 02 1219-1224*
- ring resonators, closed/open-loop, equiv. lumped elements/unloaded Q values. *Lung-Hwa Hsieh, +, T-MTT Feb 02 453-460*
- Si, porous CPW interconnects, porosity effects. *Itoia, I.K., +, MWSYM 02 681-684 vol.2*
- suspen. resonators for filters, excitation of evanescent cavities using high dielec. const. feedlines. *Snyder, R.V., +, MWSYM 02 1597-1600 vol.3*
- Permittivity measurement**
- 2D image reconstruction algm. based on FDTD/design sensitivity anal. *No-Weon Kang, +, MWSYM 02 1143-1146 vol.2*
- (Ba,Sr)TiO₃ thin film, parallel plate capacitor, microwave meas. *Zhang Jin, +, MWSYM 02 1201-1204 vol.2*
- ceramic substr. material charactn. at microwave freqs., semianalytical tech. *Fathy, A.E., +, T-MTT Oct 02 2247-2252*
- complex permitt. meas., microwave planar reson. sens. *Fratticcioli, E., +, MWSYM 02 647-650 vol.2*
- complex permitt. of brain tissues, charactn. up to 50 GHz using two-port microstrip test fixture. *Tofighi, M.-R., +, T-MTT Oct 02 2217-2225*
- cylindrically stratified media, microwave imaging, anal. method. *Akhtar, M.J., +, MWSYM 02 2005-2008 vol.3*
- ferroelec. material, microwave meas., dielec. sleeve resonator. *Geyer, R.G., +, MWSYM 02 1657-1660 vol.3*
- impulse ground penetrating radar, pavement NDE. *Jeong Soo Lee, +, MWSYM 02 1361-1363 vol.2*
- neurological cell soln. activity, complex permitt. meas. *Tofighi, M.R., +, MWSYM 02 1763-1766 vol.3*
- two-phase periodic composite material, particle shape effects on effective permitt., meas. *Whites, K.W., +, T-MTT Jul 02 1723-1729*
- Personal communication networks**
- CMOS dual-band freq. synthesizer, 2.3/4.6 GHz, wireless appls. *Wei-Zen Chen, +, RFIC 02 169-172*
- GSM/PCN dual band variable gain low noise RF down conversion mixer. *Bonkee Kim, +, RFIC 02 137-140*
- LTCC integrated tri-band direct conversion receiver front-end module. *Lucero, R., +, MWSYM 02 1545-1548 vol.3*
- RF front-end transceiver chipset, 2 GHz, PCS and IMT-2000 appls. *Yong-Sik Youn, +, MWSYM 02 17-20 vol.1*
- Personnel**
- wireless professionals, microwave indust. outlook, manpower shortage, engng. education. *Besser, L., T-MTT Mar 02 1042-1043*
- Perturbation techniques**
- confocal annular ellipt. waveguides & resonators, atten. characts. *Gutierrez-Vega, J.C., +, T-MTT Apr 02 1095-1100*
- Phased array radar**
- carrier power to intermodulation-distortion power-ratio-increasing technique in active phased-array antenna systems. *Kaho, T., +, T-MTT Dec 02 2987-2994*
- nonreciprocal remanence ferrite phase shifter in grooved waveguide. *Wenquan Che, +, T-MTT Aug 02 1912-1918*
- phased-array antenna transmit/receive modules, microwave fn., perform., cost. *Kopp, B.A., +, T-MTT Mar 02 827-834*
- Phase detectors**
- InP/InGaAs fully integrated 40-Gbit/s clock and data recovery cct., opt. commun. systs. *Nosaka, H., +, MWSYM 02 83-86 vol.1*
- Phase locked loops**
- 3G UMTS/WCDMA handset RF subsyst., BiCMOS chipset. *Brunel, D., +, RFIC 02 191-194*
- act. microstrip patch antennas, PLL control. *Andrews, J.W., +, T-MTT Jan 02 201-206*
- cellular RF transceiver front-end, CMOS use, LV low power design. *Steyaert, M.S.J., +, T-MTT Jan 02 281-287*
- CMOS dual-band freq. synthesizer, 2.3/4.6 GHz, wireless appls. *Wei-Zen Chen, +, RFIC 02 169-172*
- CMOS fast-switching freq. synthesizer. *Xiaomin Yang, +, MWSYM 02 589-592 vol.1*
- CMOS PLL-based freq. synthesizer for WLAN appls. *Xiaomin Yang, +, RFIC 02 479-482*
- CMOS PLL based freq. synthesizer, ring-type VCO, GSM appls. *Ali, S., +, RFIC 02 173-176*
- delta-sigma data converters and use in wireless transceivers. *Galton, I., T-MTT Jan 02 302-315*
- E911 GPS receiver, highly integrated, BiCMOS chip. *Wilz, L., +, RFIC 02 115-118*
- GSM 900/DCS 1800 fractional-N modulator with two-point-modulation. *Neurauter, B., +, MWSYM 02 425-428 vol.1*
- hot-carrier and soft-breakdown effects on VCO performance. *Enjun Xiao, +, T-MTT Nov 02 2453-2458*
- PLL-based fractional synthesizer, nonlin. anal. *Sancho, S., +, MWSYM 02 2185-2188 vol.3*
- power-combining grid oscillator arrays, freq. stabilization. *Wenzhang Wang, +, T-MTT May 02 1400-1407*
- time-delayed PLL model, crit. & optimal gain, stabil. changes. *Buckwalter, J., +, RFIC 02 181-184*
- Phase locked loops; cf. Digital phase locked loops**
- Phase locked oscillators**
- coupled-oscillator array, angle-based modulation. *Pogorzelski, R.J., T-MTT Jan 02 143-149*
- Phase measurement**
- power amps., nonlin. response modeling, augmented behavioral charactn. *Asbeck, P.M., +, MWSYM 02 135-138 vol.1*
- Phase modulation**
- Kahn EER tech., out-of-band emissions of digital transms. *Rudolph, D., T-MTT Aug 02 1979-1983*
- nonlin. power amp. modeling taking into account HF memory freq. *Launay, F., +, MWSYM 02 865-868 vol.2*
- power-amplifier module with digital adaptive predistortion for cellular phones. *Kusunoki, S., +, T-MTT Dec 02 2979-2986*
- two-tone meas. tech. for microwave power-amp. charactn. *Clark, C.J., +, T-MTT Jun 02 1590-1602*
- Phase modulation; cf. Phase shift keying**
- Phase noise**
- 1.9-GHz MMIC receiver front-end with monolithic image-reject filter and VCO. *Rogers, J.W.M., +, T-MTT Jan 02 210-215*
- act. microstrip patch antennas, PLL control. *Andrews, J.W., +, T-MTT Jan 02 201-206*
- BiCMOS dual-modulus prescaler, ECL-based ccts., low supply voltage. *Dulger, F., +, RFIC 02 177-180*
- bond-wire inductor-MOS varactor VCO, 1.8-2.4 GHz tunable. *Svelto, F., +, T-MTT Jan 02 403-407*
- C-band oscillator using high-Q inductors embedded in multi-layer organic packaging. *Yoon, S.-W., +, MWSYM 02 703-706 vol.2*
- CDMA receiver, adaptive antenna array, LO phase noise. *Slade, G.W., MWSYM 02 1353-1356 vol.2*
- cellular RF transceiver front-end, CMOS use, LV low power design. *Steyaert, M.S.J., +, T-MTT Jan 02 281-287*
- CMOS dyn.-loading regenerative freq. doubler. *Wong, J.M.C., +, MWSYM 02 573-576 vol.1*
- CMOS LC-resonator quadrature VCO, low power, 2.45 GHz, tuning. *Leenaerts, D., +, RFIC 02 67-70*
- CMOS LC VCO, WLAN appls. *Bhattacharjee, J., +, MWSYM 02 585-588 vol.1*
- CMOS PLL-based freq. synthesizer for WLAN appls. *Xiaomin Yang, +, RFIC 02 479-482*
- CMOS PLL based freq. synthesizer, ring-type VCO, GSM appls. *Ali, S., +, RFIC 02 173-176*
- CMOS quadrature oscillator, 900 MHz, low phase noise design. *Cabanillas, J., +, RFIC 02 63-66*
- CMOS quadrature VCO, 2.4 GHz, spiral inductors & differential varactors. *Baoyong Chi, +, RFIC 02 451-454*
- CMOS quadrature VCO with symm. spiral inductors and differential varactors, 2.4 GHz. *Baoyong Chi, +, MWSYM 02 561-564 vol.1*
- CMOS regenerative freq. doubler, dyn.-loading tech., 4-GHz. *Wong, J.M.C., +, RFIC 02 463-466*
- CMOS transceiver for digital narrowband cordless syst., std. IF or low IF RX. *Jerng, A., +, RFIC 02 111-114*
- CMOS UTSi SOI proc. high speed digital PLL, low power design. *Wu, G.C., +, RFIC 02 165-168*
- CMOS VCO, hot carriers and soft breakdown. *Xiao, E., +, MWSYM 02 569-572 vol.1*
- CMOS VCO RF perform., hot carrier & soft-breakdown effects. *Enjun Xiao, +, RFIC 02 459-462*
- CPW-based single-layer injection-locked act. antenna array. *Ip, K.H.Y., +, T-MTT Feb 02 481-486*
- differentially-tuned CMOS LC VCO for 10 Gbit/s clock-and-data-recovery ccts. *Mukherjee, D., +, MWSYM 02 707-710 vol.2*
- differentially-tuned VCO in SOI CMOS, 1 V, 3.8-5.7 GHz, design. *Fong, N., +, RFIC 02 75-78*
- GaAs-HBT MMIC push-push oscillator, 38 GHz, fixed freq. and VCO versions. *Schott, A., +, MWSYM 02 839-842 vol.2*
- GaAs HBT operating as integrated V- to W-band Gunn oscillator. *Rudolph, M., +, MWSYM 02 1737-1740 vol.3*
- hot-carrier and soft-breakdown effects on VCO performance. *Enjun Xiao, +, T-MTT Nov 02 2453-2458*
- InGaP/GaAs HBT MMIC VCO, Ku band, with bal./differential topologies. *Dong-Hyun Baek, +, MWSYM 02 847-850 vol.2*
- LC VCO, low power cct., WLAN appl. *Bhattachajee, J., +, RFIC 02 475-478*

- MEMS-based ccts. & phase shifters, phase noise anal. *Rebeiz, G.M.*, *T-MTT May 02* 1316-1323
- microwave feedback oscillator using double-sided MIC tech. *Kawahata, K.I.*, +, *MWSYM 02* 699-702 vol.2
- MM-wave rem. self-heterodyne syst., broadband sig. transm. *Shoji, Y.*, +, *T-MTT Jun 02* 1458-1468
- modeling and charactn. of SiGe HBT LF noise figures-of-merit for RFIC appls. *Jin Tang*, +, *T-MTT Nov 02* 2467-2473
- modeling and charactn. of SiGe HBT LF noise figures-of-merit for RFIC appls. *Jin Tang*, +, *T-MTT Nov 02* 2467-2473
- NMOS and PMOS transistors, 1/f noise and VCO design implications. *O, K.K.*, +, *RFIC 02* 59-62
- nonlin. oscillator, phase-noise anal., time-domain/freq.-domain approaches. *Suarez, A.*, +, *T-MTT Oct 02* 2353-2361
- polysilicon differential multi-finger MEMS tunable capacitors for RFIC. *Ionis, G.V.*, +, *MWSYM 02* 345-348 vol.1
- power-combining grid oscillator arrays, freq. stabilization. *Wenzhang Wang*, +, *T-MTT May 02* 1400-1407
- RFIC pass. devices develop., VCO simul., cct. perform. *Coolbaugh, D.*, +, *RFIC 02* 341-344
- SiGe 20-GHz VCO and freq. divider, varactor-tuned LC-type oscillator, radar transmitter. *Ettinger, K.*, +, *MWSYM 02* 835-838 vol.2
- SiGe BiCMOS LNA & mixer, high lin., cellular CDMA/AMPS appl. *Aparin, V.*, +, *RFIC 02* 129-132
- SiGe BiCMOS RC-ring oscillator, fiber optic transceiver. *Sanduleanu, M.A.T.*, +, *MWSYM 02* 545-548 vol.1
- SiGe HBT dual-VCO, cable modem receiver. *Stadius, K.*, +, *RFIC 02* 471-474
- SiGe HBT fully-integrated coupled VCOs, phase noise. *Jacobsson, H.*, +, *MWSYM 02* 577-580 vol.1
- SiGe HBT fully-integrated coupled VCOs, phase noise. *Jacobsson, H.*, +, *RFIC 02* 467-470
- SiGe HBT, LF noise charactn. & modeling, low phase noise oscillator. *Bary, L.*, +, *RFIC 02* 359-362
- SiGe HBT, sapphire resonator oscillator, phase noise. *Cibiel, G.*, +, *MWSYM 02* 691-694 vol.2
- SiGe HBT wide-tuning-range dual-VCOs for cable modem receivers. *Stadius, K.*, +, *MWSYM 02* 581-584 vol.1
- SiGe microwave HBT, low phase noise DRO. *Bary, L.*, +, *MWSYM 02* 275-278 vol.1
- SiGe quadrature VCO, fully monolithic design, GSM/DCS-PCS appl. *Cordeau, D.*, +, *RFIC 02* 455-458
- SiGe quadrature VCO, GSM/DCS-PCS appls. *Cordeau, D.*, +, *MWSYM 02* 565-568 vol.1
- Si VCO and push-push oscillator, phase noise. *Dussopt, L.*, +, *MWSYM 02* 695-698 vol.2
- Phase shifters**
- V-Band 2-b and 4-b low-loss and low-voltage distributed MEMS digital phase shifter using metal-air-metal capacitors. *Kim, H.-T.*, +, *T-MTT Dec 02* 2918-2923
- wide-band reflection-type phase shifter at S-band using BST coated substrate. *Kim, D.*, +, *T-MTT Dec 02* 2903-2909
- Phase shifters; cf.** Ferrite phase shifters; Microwave phase shifters; Millimeter wave phase shifters; Optical phase shifters; UHF phase shifters
- Phase shift keying**
- BPSK mm-wave sigs., opt. delivery via free-running laser heterodyne with freq. drift cancellation. *Johansson, L.A.*, +, *MWSYM 02* 1695-1697 vol.3
- M-ary PSK sig. power spectrum at nonlin. power amp. output. *Launay, F.*, +, *MWSYM 02* 2197-2200 vol.3
- Phase shift keying; cf.** Quadrature phase shift keying
- Photoconducting devices; cf.** Photoconducting switches; Photodiodes; Phototransistors
- Photoconducting switches**
- CW-mode opt. controlled microwave switch with carrier-confine. struct. *Sangil Lee*, +, *MWSYM 02* 1289-1292 vol.2
- photo-injection p-i-n diode switch, high-power RF switching. *Jacobs, E.W.*, +, *T-MTT Feb 02* 413-419
- right-angle bends, elec. field obs. of ps. pulse propag. by photocond. near-field probe. *Jongjoo Lee*, +, *MWSYM 02* 1509-1512 vol.3
- Photodetectors**
- AlGaAs HMSM photodetector, reson. cavity, short haul commun. *Xiying Chen*, +, *MWSYM 02* 1281-1284 vol.2
- analytical small-signal bias-dependent nonuniform model for p-i-n traveling-wave photodetectors. *Torrese, G.*, +, *T-MTT Nov 02* 2553-2557
- heterodimensional contacts, barrier enhancement mechanisms, effect on current transport. *Anwar, A.*, +, *T-MTT Jan 02* 68-71
- num. anal. of traveling-wave photodetectors' bandwidth using FDTD method. *Soon-Cheol Kong*, +, *T-MTT Nov 02* 2589-2597
- photodetector and photomixer ccts., convolution-based global simul. *Ameen, D.B.*, +, *T-MTT Oct 02* 2253-2258
- Photodiodes**
- GaAs MHEMT transimpedance amp. IC for 40-Gb/s appls., fiber optic commun. systs. *Campbell, C.F.*, +, *MWSYM 02* 79-82 vol.1
- NWA based on photonic techs. and act. photonic probes for on-wafer meas. *Nagatsuma, T.*, +, *MWSYM 02* 1497-1500 vol.3
- Photodiodes; cf.** p-i-n photodiodes
- Photolithography; cf.** Photoresists
- Photonic band gap**
- dual-frequency electric-magnetic-electric microstrip leaky-mode antenna of single fan beam. *Chen, Y.C.*, +, *T-MTT Dec 02* 2713-2720
- elec.-mag.-elec. slow-wave microstrip line/bandpass filter. *Ching-Kuo Wu*, +, *T-MTT Aug 02* 1996-2004
- ground plane photonic bandgap microstrip waveguide, EM radiation. *Shino, N.*, +, *MWSYM 02* 1079-1082 vol.2
- Ka band waveguide using EM cryst. sidewalls. *Higgins, J.A.*, +, *MWSYM 02* 1071-1074 vol.2
- layer-by-layer photonic cryst. fab. for submillimeter-wave freqs. *Gonzalo, R.*, +, *T-MTT Oct 02* 2384-2392
- multilayer and anisotropic planar compact PBG struct. for microstrip appls. *Caloz, C.*, +, *T-MTT Sep 02* 2206-2208
- photonic bandgap sandwich struct., forbidden microwave transm. *Yunbo Pang*, +, *MWSYM 02* 1157-1160 vol.2
- plastic photonic cryst. fibers, guided-wave single-mode THz pulse propag. *Han, H.*, +, *MWSYM 02* 1075-1078 vol.2
- spiral inductor, 2D PBG periodic array. *Hsien-Shun Wu*, +, *MWSYM 02* 1087-1090 vol.2
- super-compact super-broadband tapered uniplanar PBG struct. for microwave/mm-wave appls. *Caloz, C.*, +, *MWSYM 02* 1919-1922 vol.3
- Photorefractive effect**
- millimeter-wave power-fading compensation for WDM fiber-radio transmission using a wavelength-self-tunable single-sideband filter. *Vourc'h, E.*, +, *T-MTT Dec 02* 3009-3015
- Photorefractive materials**
- WDM fiber-radio transm. using InP:Fe cryst.-based wavelength-self-tunable SSB filter. *Vourc'h, E.*, +, *MWSYM 02* 1703-1706 vol.3
- Photoresists**
- low-cost flip-chip alternatives for MM wave appls. *Heyen, J.*, +, *MWSYM 02* 2205-2208 vol.3
- Phototransistors**
- InP/InGaAs HPT direct opt. injection-locked oscillator ICs for optoelectronic clock recovery ccts., 10/39 GHz. *Kamitsuna, H.*, +, *MWSYM 02* 1699-1702 vol.3
- Physics computing**
- Trefftz FEM for comput. EM, TLM method. *Shlepnev, Y.O.*, *T-MTT May 02* 1328-1339
- Physiological models**
- biological phantoms, EM exposure eval., finite-element procedure-based approach. *Caorsi, S.*, +, *T-MTT Oct 02* 2346-2352
- Physiological models; cf.** Brain models
- Physiology**
- EHF microwaves, nonthermal effects, cell chromatin conform., comments and reply. *Osepchuk, J.M.*, +, *T-MTT Jul 02* 1856-1858
- Piecewise linear techniques**
- quasi-opt. mode converter, reflector cell, vector diff. theory, GO. *Shiwen Yang*, +, *T-MTT Jul 02* 1849-1852
- Piezoelectric devices; cf.** Crystal filters; Crystal resonators; Piezoelectric transducers
- Piezoelectric transducers**
- Ka-band printed dipole phased array antenna using microstrip-fed CPS tee jns. *Young-Ho Suh*, +, *MWSYM 02* 1321-1324 vol.2
- multilayer microstrip struct. piezoelec. transducer controlled phase shifter anal. *Tae-Yeoul Yun*, +, *T-MTT Jan 02* 105-111
- tunable microwave ccts., piezoelec.-transducer-controlled. *Tae-Yeoul Yun*, +, *T-MTT May 02* 1303-1310
- Piezoelectric transducers; cf.** Interdigital transducers
- p-i-n diodes**
- broadband wireless commun., bal. adaptive beamforming syst. *Seong-Sik Jeon*, +, *MWSYM 02* 1357-1360 vol.2
- GaAs PIN diode, high-power limiter cct. *Smith, D.G.*, +, *MWSYM 02* 1245-1247 vol.2
- HF/VHF/UHF systs. and technol., appls. *Raab, F.H.*, +, *T-MTT Mar 02* 888-899
- SAW front end modules for GSM cellular phones with direct-conversion demodulation. *Hikita, M.*, +, *MWSYM 02* 1483-1486 vol.3
- p-i-n diodes; cf.** p-i-n photodiodes
- p-i-n photodiodes**
- photo-injection p-i-n diode switch, high-power RF switching. *Jacobs, E.W.*, +, *T-MTT Feb 02* 413-419
- p-i-n/HEMT and MSM/HEMT monolithic photoreceivers, high-speed, comparison. *Fay, P.*, +, *T-MTT Jan 02* 62-67
- Planar antenna arrays**
- Ka-band printed dipole phased array antenna using microstrip-fed CPS tee jns. *Young-Ho Suh*, +, *MWSYM 02* 1321-1324 vol.2

- MM-wave wide-scan spherical-lens antennas for automotive radars. Schoenlinner, B., +, *T-MTT Sep 02* 2166-2175
- partially overlapped subarrays for MM-wave beam steerable antenna, planar implement. Abbaspour-Tamijani, A., +, *MWSYM 02* 53-56 vol.1
- Planar waveguides**
- 60-GHz-band dielec. waveguide filters with cross-coupling for flip-chip modules. Ito, M., +, *MWSYM 02* 1789-1792 vol.3
- coupled planar Kerr-like nonlin. waveguides, TE-mode propag. props. Jian-Guo Ma, *MWSYM 02* 1985-1988 vol.3
- danger of high-frequency spurious effects on wide microstrip line. Mesa, F., +, *T-MTT Dec 02* 2679-2689
- modeling of planar applicators for microwave thermotherapy. Carlier, J., +, *T-MTT Dec 02* 3036-3042
- novel planar, square-shaped, dielectric-waveguide, single-, and dual-mode filters. Chi-Yang Chang, +, *T-MTT Nov 02* 2527-2536
- planar negative refractive index media using periodically L-C loaded transmission lines. Eleftheriades, G.V., +, *T-MTT Dec 02* 2702-2712
- planar waveguides, multiple scatt. among vias, sparse-matrix canonical-grid method. Chung-Chi Huang, +, *MWSYM 02* 2045-2048 vol.3
- Plasma; cf.** Plasma diagnostics
- Plasma CVD**
- SiN_x RF MEMS capacitive switches fabricated with HDICP CVD. Chang, C.H., +, *MWSYM 02* 231-234 vol.1
- Plasma density**
- fusion plasma diagnostics, THz techs. use. Deng, B.H., +, *MWSYM 02* 1587-1590 vol.3
- Plasma deposition; cf.** Plasma CVD
- Plasma diagnostics**
- fusion plasma diagnostics, THz techs. use. Deng, B.H., +, *MWSYM 02* 1587-1590 vol.3
- Plasma fluctuations**
- fusion plasma diagnostics, THz techs. use. Deng, B.H., +, *MWSYM 02* 1587-1590 vol.3
- Plasma properties; cf.** Plasma density; Plasma fluctuations; Plasma temperature
- Plasma temperature**
- fusion plasma diagnostics, THz techs. use. Deng, B.H., +, *MWSYM 02* 1587-1590 vol.3
- Plastic packaging**
- GaAs PHEMT MMIC power amp., 15 W, 3G wireless transmitter appls. Staudinger, J., +, *MWSYM 02* 617-620 vol.2
- RFIC design, package and bonding wire modeling software and appl. Goto, K., +, *MWSYM 02* 2109-2112 vol.3
- SOP plastic leaded package design, improved microwave perform. Jessie, D., +, *RFIC 02* 381-384
- SOPs, microwave perform. improvement, design techs. Jessie, D., +, *MWSYM 02* 297-300 vol.1
- Pneumodynamics**
- Doppler radar sens. of vital signs using wireless commun. terminal. Lubecke, V., +, *MWSYM 02* 1767-1770 vol.3
- Pockels effect**
- opt. field-tunable probe, elec. and mag. field meas. Reano, R.M., +, *MWSYM 02* 1513-1516 vol.3
- Poincare mapping**
- variable order analog freq. divider design, nonlin. dyn. concepts. Ramirez, F., +, *MWSYM 02* 127-130 vol.1
- Polarimeters**
- MM-wave polarimeter, calib., dielec. sheet. O'Dell, C.W., +, *T-MTT Sep 02* 2135-2141
- Polarimetry; cf.** Astronomical polarimetry; Radar polarimetry
- Polarization; cf.** Electromagnetic wave polarization
- Poles and zeros**
- cascaded quintuplet filter structs., direct synthesis using lowpass prototype. Reeves, T., +, *MWSYM 02* 1441-1444 vol.3
- coupled-resonators cavity group-delay equalizer design. Heng-Tung Hsu, +, *T-MTT Aug 02* 1960-1968
- coupling schemes for microwave resonator filters. Rosenberg, U., +, *MWSYM 02* 1605-1608 vol.3
- cross-coupled filters, cascade synthesis theory, complex transm. zeros. Yildirim, N., +, *T-MTT Jun 02* 1536-1543
- dual-plane comb-line filter having plural atten. poles, FDTD simul. method. Kitamura, T., +, *T-MTT Apr 02* 1216-1219
- folded coupled-line struct., anal., appl. to filter and diplexer design. Chih-Ming Tsai, +, *MWSYM 02* 1927-1930 vol.3
- folded dual-mode HTS microstrip resonator/band pass filter. Raihn, K.F., +, *MWSYM 02* 1959-1962 vol.3
- grounded dielec. slab, thick/lossy, complete pole location. Swee-Ann Teo, +, *T-MTT Feb 02* 440-445
- inline prototype filters, cascaded triplet/quadruplet sects. Macchiarella, G., *T-MTT Jul 02* 1779-1783
- Ku-band low-loss stripline low-pass filter for LTCC modules, low-impedance lines. Ohwada, T., +, *MWSYM 02* 1617-1620 vol.3
- microwave waveguide filter, rect. quadruple-mode cavity. Boutheiller, N., +, *MWSYM 02* 1777-1780 vol.3
- multistage monolithic microwave power amps., anal. and elim. of parametric oscills. Anakabe, A., +, *MWSYM 02* 2181-2184 vol.3
- nonuniform transm. lines, wide-band equal-ripple filters. Da-Chiang Chang, +, *T-MTT Apr 02* 1114-1119
- open structs., freq. parameterization, modal decomp. tech. Adane, Y., +, *MWSYM 02* 2017-2020 vol.3
- planar filter design using 0 feed struct., lumped-cct. model. Chih-Ming Tsai, +, *T-MTT Oct 02* 2362-2367
- SrTiO₃ disk resonator, narrow-band tunable band-pass filter. Deleniv, A., +, *MWSYM 02* 1197-1200 vol.2
- stepped impedance resonator bandpass filters, tunable transm. zeros. Jen-Tsai Kuo, +, *MWSYM 02* 1613-1616 vol.3
- sub-harmonically pumped mixer MMIC integrated with an image rejection filter, 60-GHz. Yamada, A., +, *MWSYM 02* 1733-1736 vol.3
- suspen. resonators for filters, excitation of evanescent cavities using high dielec. const. feedlines. Snyder, R.V., +, *MWSYM 02* 1597-1600 vol.3
- symmetric coupled-resonator filters, param. extraction procedure. Heng-Tung Hsu, +, *MWSYM 02* 1445-1448 vol.3
- uniplanar transm. lines, surface leaky waves, representation. Machac, J., +, *T-MTT Feb 02* 583-585
- YBaCuO supercond. bandpass filter, Chebyshev rejection, 3G/4G wireless appl. Tsuzuki, G., +, *MWSYM 02* 1963-1966 vol.3
- Politics**
- GPS, tech. and geo-political factors, long-term availability. McNeff, J.G., *T-MTT Mar 02* 645-652
- Pollution measurement; cf.** Air pollution measurement
- Polymer fibers**
- plastic photonic cryst. fibers, guided-wave single-mode THz pulse propag. Han, H., +, *MWSYM 02* 1075-1078 vol.2
- Polymer films**
- organic wafer-level packaging platform for highly integrated RF transceivers. Ramachandran, R., +, *MWSYM 02* 1401-1404 vol.3
- polyimide film based RF MEMS capacitive switches, fab. and perform. Ramadoss, R., +, *MWSYM 02* 1233-1236 vol.2
- series MEMS switch compatible with CMOS technol, design and fab. Yongming Cai, +, *MWSYM 02* 1221-1224 vol.2
- Si 3D-MMIC, polyimide layer, microstrip line coupling. Ponchak, G.E., +, *MWSYM 02* 2221-2224 vol.3
- Wilkinson power divider on low resist. Si substr., polyimide interface layer. Papapolymerou, J., +, *MWSYM 02* 593-596 vol.1
- Polymers**
- HDPE, low-loss, microwave props., cryogenic temps. Jacob, M.V., +, *T-MTT Feb 02* 474-480
- polystyrene, cross-linked, low-loss, microwave props., cryogenic temps. Jacob, M.V., +, *T-MTT Feb 02* 474-480
- PTFE, low-loss, microwave props., cryogenic temps. Jacob, M.V., +, *T-MTT Feb 02* 474-480
- Polymers; cf.** Polymer fibers; Polymer films
- Polynomial approximation**
- multilayer conductor, surface impedance, FDTD model. Thiel, W., +, *MWSYM 02* 759-762 vol.2
- Polynomials**
- 3D structs., wideband EM response, Laguerre series expansion. Sarkar, T.K., +, *MWSYM 02* 1989-1992 vol.3
- inline prototype filters, cascaded triplet/quadruplet sects. Macchiarella, G., *T-MTT Jul 02* 1779-1783
- LDMOS RF power transistor, nonlin. distortion, polynomial model. Vuolevi, J., +, *MWSYM 02* 2157-2160 vol.3
- wideband EM response through Laguerre expansion using early-time and LF data. Sarkar, T.K., +, *T-MTT May 02* 1408-1416
- Polynomials; cf.** Polynomial approximation; Splines (mathematics)
- Porous materials**
- LTCC stripline struct., sharpened edges and embedded pores. Jae Hyuk Jang, +, *MWSYM 02* 673-676 vol.2
- Porous materials; cf.** Porous semiconductors
- Porous semiconductors**
- Si, porous CPW interconnects, porosity effects. Itotia, I.K., +, *MWSYM 02* 681-684 vol.2
- Power amplifiers**
- 1.8-GHz high-efficiency 34-dBm silicon bipolar power amplifier. Carrara, F., +, *T-MTT Dec 02* 2963-2970
- act. phased array antenna syst., IMD control. Kaho, T., +, *MWSYM 02* 781-784 vol.2
- AlGaIn/GaN HEMT power amp., act. integrated antenna. Younkyu Chung, +, *MWSYM 02* 433-436 vol.1
- AlGaIn/GaN HFET amp., RF charact. Trew, R.J., *MWSYM 02* 1811-1814 vol.3
- band-pass filtering power amp., dividing/filtering fn. integrat. Avrillon, S., +, *MWSYM 02* 1173-1176 vol.2
- carrier power to intermodulation-distortion power-ratio-increasing technique in active phased-array antenna systems. Kaho, T., +, *T-MTT Dec 02* 2987-2994

- class E, finite DC feed inductor, simplified approach. *Choi, D.K.*, +, *MWSYM 02* 1643-1646 vol.3
- CMOS distributed amp., pass.-free input driver. *Stengel, B.*, +, *RFIC 02* 257-260
- CMOS power amp., digital adaptive predistortion, cellular phone. *Kusunoki, S.*, +, *MWSYM 02* 765-768 vol.2
- corrections to "Improvement of third-order intermodulation product of RF and microwave amplifiers by injection" (Jun 01 1148-1154). *Aitchison, C.S.*, +, *T-MTT Jan 02* 229
- distortion control tech. for achieving high power efficiency in HPA array. *Kaho, T.*, +, *T-MTT Nov 02* 2505-2512
- EER transmitter, delta-sigma modulation, WLAN and 3G appls. *Kang-Chun Peng*, +, *MWSYM 02* 1651-1654 vol.3
- GaAs-on-Si power amp., wireless handset. *Escalera, N.*, +, *MWSYM 02* 1031-1034 vol.2
- GSM and DCS power amps., enhancement mode FET technol. *Glass, E.*, +, *MWSYM 02* 557-560 vol.1
- harmonic tuning, design criteria. *Colantonio, P.*, +, *MWSYM 02* 1639-1642 vol.3
- IEEE microwave symposium, conf., Seattle, WA, USA (Jun 02). *MWSYM-02 3* vol.(lxxxii+xxiii+xxv+2272)
- Kahn EER tech., out-of-band emissions of digital transms. *Rudolph, D.*, *T-MTT Aug 02* 1979-1983
- LDMOS power amp., ultra-lin. sq.-law approx. *van der Heijden, M.P.*, +, *T-MTT Sep 02* 2176-2184
- LTCC technol., enabler of high power RF integrated amps. *Piel, P.-M.*, +, *MWSYM 02* 1557-1560 vol.3
- M-ary PSK sig. power spectrum at nonlin. power amp. output. *Launay, F.*, +, *MWSYM 02* 2197-2200 vol.3
- new "active" predistorter with high gain and prog. gain and phase characts. using cascode-FET structs. *Junghyun Kim*, +, *T-MTT Nov 02* 2459-2466
- nonlin. power amp. modeling taking into account HF memory freq. *Launay, F.*, +, *MWSYM 02* 865-868 vol.2
- power-amplifier module with digital adaptive predistortion for cellular phones. *Kusunoki, S.*, +, *T-MTT Dec 02* 2979-2986
- prediction of IMD in LDMOS transistor amplifiers using new large-signal model. *Fager, C.*, +, *T-MTT Dec 02* 2834-2842
- probe-tone S-param. meas. tech. for power amps. *Martens, J.*, +, *T-MTT Sep 02* 2076-2082
- push/pull class-DE switching power amp., shunt capacitances. *Alipov, A.*, +, *MWSYM 02* 1635-1638 vol.3
- quantifying memory effects in RF power amplifiers. *Ku, H.*, +, *T-MTT Dec 02* 2843-2849
- realistic power-amplifiers characterization with application to baseband digital predistortion for 3G base stations. *Boumaiza, S.*, +, *T-MTT Dec 02* 3016-3021
- RF power amp., DC-DC converter, switching noise, act. cancellation. *Kobayashi, H.*, +, *MWSYM 02* 1647-1650 vol.3
- RF power devices, wireless commun. *Weitzel, C.E.*, *MWSYM 02* 285-288 vol.1
- SiGe HBT, RF power amp., max. operating region. *Inoue, A.*, +, *MWSYM 02* 1023-1026 vol.2
- switchless Class E/F dual-band power amp. *Bohn, F.*, +, *MWSYM 02* 1631-1634 vol.3
- WCDMA and CDMA power amps., efficiency. *Fowler, T.*, +, *RFIC 02* 41-44
- W-CDMA base-station power amp., adaptive digital predistortion. *Potter, C.*, *RFIC 02* 275-278
- W-CDMA base-station power amp. using adaptive digital predistort., syst. anal. *Potter, C.*, *MWSYM 02* 21-25 vol.1
- WCDMA sig. modulation, lin. method. *Youngoo Yang*, +, *MWSYM 02* 777-780 vol.2
- Power amplifiers; cf.** Microwave power amplifiers; Millimeter wave power amplifiers; Traveling wave amplifiers; UHF power amplifiers
- Power bipolar transistors**
- GaN/P/GaAs power HBTs, static/dyn. breakdown, meas./modeling. *Heckmann, S.*, +, *MWSYM 02* 1001-1004 vol.2
- HBT, intermodulation asymmetry, time domain meas. syst. *Williams, D.J.*, +, *MWSYM 02* 1841-1844 vol.3
- InGaP/GaAs power HBT, electro-thermal large-sig. model, param. extraction. *Hyun-Min Park*, +, *MWSYM 02* 1009-1012 vol.2
- power HBTs, nonlin. behavior, Volterra-series anal. model, mobile comms appls. *Woonyun Kim*, +, *T-MTT Jul 02* 1714-1722
- SiGe HBT with high breakdown voltage struct., RF power characts. *Matsuno, T.*, +, *RFIC 02* 377-379
- SiGe/Si power HBTs for X- to K-band appls., high perform. *Mohammadi, S.*, +, *RFIC 02* 373-376
- Si/SiGe/Si double mesa-type HBT, high-power high-gain X-band. *Zhenqiang Ma*, +, *T-MTT Apr 02* 1101-1108
- wireless power amp., semicond. devices comparison. *Weitzel, C.E.*, *RFIC 02* 369-372
- Power combiners**
- amplif. antenna array using patch-antenna coupler, design & meas. *Chih-Hung Tsai*, +, *T-MTT Aug 02* 1919-1926
- distributed act. transformer, power-combining and imped. transform. tech., CMOS power amp. appl. *Aoki, I.*, +, *T-MTT Jan 02* 316-331
- GaAs MESFET amps., act. antenna sub-array. *Paji, S.*, +, *MWSYM 02* 1527-1530 vol.3
- GaAs Schottky diode, spatial power dividing/combining freq. doubler. *Schumann, B.*, +, *MWSYM 02* 1539-1542 vol.3
- grid oscillator arrays, freq. stabilization. *Wenzhang Wang*, +, *T-MTT May 02* 1400-1407
- IEEE microwave symposium, conf., Seattle, WA, USA (Jun 02). *MWSYM-02 3* vol.(lxxxii+xxiii+xxv+2272)
- Ka-band perp.-fed patch array, spatial power combining. *Ortiz, S.*, +, *MWSYM 02* 1519-1522 vol.3
- microwave power divider/combiner struct., all-50°. *Turan, E.*, +, *MWSYM 02* 105-108 vol.1
- MM-wave spatial power combining, cct.-fed tile-approach config. *Gouker, M.A.*, +, *T-MTT Jan 02* 17-21
- multioctave spatial power combining in oversized coaxial waveguide. *Pengcheng Jia*, +, *T-MTT May 02* 1355-1360
- power combining scheme, optimum efficiency under variable outputs. *Hang, C.Y.*, +, *MWSYM 02* 913-916 vol.2
- quasi-opt. and spatial power combining, power amps., act. arrays. *DeLisio, M.P.*, +, *T-MTT Mar 02* 929-936
- spatial power combiners, waveguide-based with hard horn feeds, array params. optim. *Ozkar, M.*, +, *MWSYM 02* 1301-1304 vol.2
- spatial power combining MMIC array, global coupled EM-elec.-thermal simul. *Batty, W.*, +, *MWSYM 02* 2177-2180 vol.3
- tile-based spatial power-combining array power amp., bandwidth improve. *Ai-Zayed, A.*, +, *MWSYM 02* 1313-1316 vol.2
- W-band micromachined cct. power combining/dividing networks. *Herrick, K.J.*, +, *T-MTT Jun 02* 1647-1651
- X-band integrated class-E oscillating annular ring element for high-efficiency transmitting arrays. *Hagerty, J.A.*, +, *MWSYM 02* 1317-1320 vol.2
- Power control**
- SiGe BiCMOS TX-IC, W-CDMA mobile terminal. *Joba, H.*, +, *RFIC 02* 27-30
- Power dividers**
- balun conversion into broadband impedance-transforming 180° hybrids. *Kian Sen Ang*, +, *T-MTT Aug 02* 1990-1995
- band-pass filtering power amp., dividing/filtering fn. integrat. *Avrillon, S.*, +, *MWSYM 02* 1173-1176 vol.2
- broadband 3D vert. balun and X-band four-way Wilkinson divider, develop./perform. *Darwish, A.*, +, *MWSYM 02* 109-112 vol.1
- broadband RF front-end for direct conversion transceivers, 0.9-2.6 GHz, low-noise variable gain amp. *Kawashima, M.*, +, *MWSYM 02* 927-930 vol.2
- dual-band balun and divider, design method. *Jung-Hyun Sung*, +, *MWSYM 02* 1177-1180 vol.2
- GaAs Schottky diode, spatial power dividing/combining freq. doubler. *Schumann, B.*, +, *MWSYM 02* 1539-1542 vol.3
- in-phase hybrid ring equal power divider, broad-banding tech. *Ban-Leong Ooi*, +, *T-MTT Jul 02* 1790-1794
- microwave line-segment ccts., evol. generation by GA. *Nishino, T.*, +, *T-MTT Sep 02* 2048-2055
- microwave power divider/combiner struct., all-50°. *Turan, E.*, +, *MWSYM 02* 105-108 vol.1
- mm-wave diplexer, H-plane transformer/E-plane metal-insert filters. *Ofli, E.*, +, *MWSYM 02* 377-380 vol.1
- W-band micromachined cct. power combining/dividing networks. *Herrick, K.J.*, +, *T-MTT Jun 02* 1647-1651
- Wilkinson power divider on low resist. Si substr., polyimide interface layer. *Papapolymerou, J.*, +, *MWSYM 02* 593-596 vol.1
- Wilkinson power divider on low resist. Si substr. with polyimide interface layer. *Papapolymerou, J.*, +, *RFIC 02* 483-486
- Power electronics; cf.** Power integrated circuits; Power semiconductor devices
- Power field effect transistors**
- AlGaAs/InGaAs doped-channel power FETs, low-k BCB bridged proc. *Hsien-Chin Chiu*, +, *MWSYM 02* 521-524 vol.1
- AlGaAs/InGaAs high lin. power HFETs using low-k BCB bridged and passivated proc. *Hsien-Chin Chiu*, +, *RFIC 02* 411-414
- GaAs C-band HFET, 27 W, high efficiency and reliab. for space appls. *Minamide, H.*, +, *MWSYM 02* 621-623 vol.2
- wireless power amp., semicond. devices comparison. *Weitzel, C.E.*, *RFIC 02* 369-372
- Power field effect transistors; cf.** Power HEMT; Power MESFET; Power MOSFET
- Power HEMT**
- AlGaAs/GaN microwave power HEMTs on 4" Si wafers, charact. *Manohar, S.*, +, *MWSYM 02* 449-452 vol.1
- AlGaAs/GaN power HEMTs, RF perform./thermal anal., self-heating effects. *Nuttinck, S.*, +, *MWSYM 02* 921-924 vol.2
- AlGaAs/GaN power HEMT using surface-charge-controlled struct., microwave appls. *Kikkawa, T.*, +, *MWSYM 02* 1815-1818 vol.3

- Al_xGa_{1-x}N/GaN HEMTs for microwave/RF control appls. *Drozdzowski, N.V.*, +, *T-MTT Jan 02* 4-8
- enhancement-mode power pHEMT model. *Ce-Jun Wei*, +, *T-MTT Jan 02* 57-61
- InGaP PHEMTs for 3.5 GHz W-CDMA appls. *Lan, E.*, +, *MWSYM 02* 1039-1042 vol.2
- LDMOS and PHEMT broadband distributed power amps., 6 W/high efficiency, using LTCC technol. *Lei Zhao*, +, *MWSYM 02* 897-900 vol.2
- Power integrated circuits**
- GaAs pHEMT HV 40 Gb/s E/O modulator driver ICs. *Carroll, J.M.*, +, *MWSYM 02* 489-492 vol.1
- GaAs PHEMT MMIC power amp., 15 W, 3G wireless transmitter appls. *Staudinger, J.*, +, *MWSYM 02* 617-620 vol.2
- GSM and DCS power amps., enhancement mode FET technol. *Glass, E.*, +, *MWSYM 02* 557-560 vol.1
- hybrid power amp. module, 20 W, 2080-2200 MHz, optimized for error amp. appls. *Crescenzi, E.J., Jr.*, *MWSYM 02* 613-616 vol.2
- LDMOS HV RFIC proc., appl. to wideband power amp. IC design. *Pla, J.A.*, +, *MWSYM 02* 263-266 vol.1
- RF power MOS, single chip technol. *Heng-Ming Hsu*, +, *MWSYM 02* 1027-1030 vol.2
- short channel LDMOS technol., BiCMOS compatible for MV RF and power appls. *Litwin, A.*, +, *MWSYM 02* 35-38 vol.1
- Si LDMOS HV RFIC amp. design, robust model extraction. *Pla, J.A.*, +, *RFIC 02* 347-350
- Power measurement**
- GaAs thermoelec. microwave power sens., broadband/MMIC compatible, using std. foundry proc. *Dehe, A.*, +, *MWSYM 02* 1829-1832 vol.3
- Power MESFET**
- GaN MESFET nonlinearities, large-sig. model, Volterra series. *Islam, S.S.*, +, *RFIC 02* 351-354
- loadline impedances, direct obs. using av. RF gate and drain currents. *Meng, C.C.*, +, *MWSYM 02* 2161-2164 vol.3
- Power MOSFET**
- BiCMOS LDMOS short channel technol., RF power amp. *Litwin, A.*, +, *RFIC 02* 289-292
- hybrid power amp. module, 20 W, 2080-2200 MHz, optimized for error amp. appls. *Crescenzi, E.J., Jr.*, *MWSYM 02* 613-616 vol.2
- LDMOS and PHEMT broadband distributed power amps., 6 W/high efficiency, using LTCC technol. *Lei Zhao*, +, *MWSYM 02* 897-900 vol.2
- LDMOS RF power transistor, nonlin. distortion, polynomial model. *Vuolevi, J.*, +, *MWSYM 02* 2157-2160 vol.3
- RF power LDMOS devices, electrothermal BSIM3 model. *Tomblad, O.*, +, *MWSYM 02* 861-864 vol.2
- short channel LDMOS technol., BiCMOS compatible for MV RF and power appls. *Litwin, A.*, +, *MWSYM 02* 35-38 vol.1
- Power semiconductor devices**
- RF power devices, wireless commun. *Weitzel, C.E.*, *MWSYM 02* 285-288 vol.1
- Power semiconductor devices; cf.** Power transistors
- Power semiconductor switches**
- photo-injection p-i-n diode switch, high-power RF switching. *Jacobs, E.W.*, +, *T-MTT Feb 02* 413-419
- Power semiconductor switches; cf.** Thyristors
- Power supply circuits; cf.** Constant current sources
- Power system measurement; cf.** Automatic meter reading
- Power transistors**
- integrated power transistor in 0.18- m CMOS technology for RF system-on-chip applications. *Hsu, H.-M.*, +, *T-MTT Dec 02* 2873-2881
- Power transistors; cf.** Microwave power transistors; Power bipolar transistors; Power field effect transistors
- Power transmission; cf.** Microwave power transmission
- Preamplifiers**
- Bluetooth low-IF receiver front-end, CMOS chip. *Beffa, F.*, +, *MWSYM 02* 501-504 vol.1
- Si/SiGe HBT receiver front-end, ISM-band, relax. emitter scaling, consumer-oriented systs., Ka band. *Sonmez, E.*, +, *RFIC 02* 159-162
- Prediction theory**
- prediction of IMD in LDMOS transistor amplifiers using new large-signal model. *Fager, C.*, +, *T-MTT Dec 02* 2834-2842
- Prescalers**
- asynchronous struct. freq. divider for dual-modulus prescaler, 14.5 GHz, 0.35 m. *Tournier, E.*, +, *RFIC 02* 227-230
- BiCMOS dual-modulus prescaler, ECL-based ccts., low supply voltage. *Dulger, F.*, +, *RFIC 02* 177-180
- SiGe bipolar technol. dual-modulus prescaler, static divider stages, differential CML. *Knapp, H.*, +, *RFIC 02* 239-242
- static freq. divider, low-power 20 GHz, prog. input sensitivity. *Vaucher, C.S.*, +, *RFIC 02* 235-238
- Printed circuit accessories**
- PCB and LTCC appls. *Sawicki, A.*, +, *MWSYM 02* 2225-2228 vol.3
- Printed circuit design**
- integrated pass. on PCBs, CAD methodology. *Draxler, P.*, *MWSYM 02* 2097-2100 vol.3
- photonic bandgap sandwich struct., forbidden microwave transm. *Yunbo Pang*, +, *MWSYM 02* 1157-1160 vol.2
- Printed circuit design; cf.** Printed circuit layout
- Printed circuit layout**
- RF multilayer layout, EM coupling, full-wave model. *Abdul-Gaffoor, M.R.*, +, *T-MTT Jun 02* 1445-1457
- Printed circuit manufacture**
- integrated inductors in chip-to-board interconnect layer, fab. using electroplating bonding. *Yeun-Ho Joung*, +, *MWSYM 02* 1409-1412 vol.3
- Printed circuits**
- addressing transient errors in passive macromodels of distributed transmission-line networks. *Dounavis, A.*, +, *T-MTT Dec 02* 2759-2768
- danger of high-frequency spurious effects on wide microstrip line. *Mesa, F.*, +, *T-MTT Dec 02* 2679-2689
- high-speed digital syst., eye pattern, MTL model. *Antonini, G.*, +, *T-MTT Jul 02* 1807-1815
- IEEE microwave symposium, conf., Seattle, WA, USA (Jun 02). *MWSYM-02* 3 vol.(lxxxii+xxiii+xxv+2272)
- leaky modes on PC lines, evol. *Mesa, F.*, +, *T-MTT Jan 02* 94-104
- multilayered PC transm. lines, leakage anal., discrete complex-images tech. *Bernal, J.*, +, *T-MTT Aug 02* 1895-1900
- novel planar, square-shaped, dielectric-waveguide, single-, and dual-mode filters. *Chi-Yang Chang*, +, *T-MTT Nov 02* 2527-2536
- open PC transm. lines, spectral-domain anal. of leaky modes. *Mesa, F.*, +, *T-MTT Oct 02* 2267-2275
- Probes**
- digital ICs, 40 Gb, time-domain waveform meas., cable/connector dispersion removal. *Scott, J.*, +, *MWSYM 02* 1669-1672 vol.3
- NWA based on photonic techs. and act. photonic probes for on-wafer meas. *Nagatsuma, T.*, +, *MWSYM 02* 1497-1500 vol.3
- opt. field-tunable probe, elec. and mag. field meas. *Reano, R.M.*, +, *MWSYM 02* 1513-1516 vol.3
- parallel-plate dielec. waveguide, excitation by coaxial probe study. *Kwan, G.K.C.*, +, *T-MTT Jun 02* 1609-1620
- right-angle bends, elec. field obs. of ps. pulse propag. by photocond. near-field probe. *Jongjoo Lee*, +, *MWSYM 02* 1509-1512 vol.3
- Process monitoring**
- single-chip 94 GHz FMCW radar module for commercial sens. appls. *Tessmann, A.*, +, *MWSYM 02* 1851-1854 vol.3
- Product development**
- device develop., early hist. *Mimura, T.*, *T-MTT Mar 02* 780-782
- Programmable circuits**
- static freq. divider, low-power 20 GHz, prog. input sensitivity. *Vaucher, C.S.*, +, *RFIC 02* 235-238
- Programmable logic arrays; cf.** Field programmable gate arrays
- Programming; cf.** Software tools
- Proportional control**
- propag. characts. of finite-width conductor-backed coplanar waveguides with periodic electromagnetic bandgap cells. *Shau-Gang Mao*, +, *T-MTT Nov 02* 2624-2628
- Protection**
- 900-MHz RF receiver with HBM ESD robustness, ESD protection design. *Ming-Dou Ker*, +, *MWSYM 02* 537-540 vol.1
- CMOS RF receiver, 900 MHz, ESD protection design. *Ming-Dou Ker*, +, *RFIC 02* 427-430
- ESD protection of RF ccts. in std. CMOS proc. *Higashi, K.*, +, *MWSYM 02* 31-34 vol.1
- Pulse circuits; cf.** Driver circuits; Pulse generators
- Pulse generators**
- high-bandwidth sampling oscilloscope calib., NPL optoelectronic syst. *Smith, A.J.A.*, +, *MWSYM 02* 1501-1504 vol.3
- Pulse measurement**
- characterization and modeling of bias dependent breakdown and self-heating in GaInP/GaAs power HBT to improve high power amplifier design. *Heckmann, S.*, +, *T-MTT Dec 02* 2811-2819
- enhanced on-wafer time-domain waveform measurement through removal of interconnect dispersion and measurement instrument jitter. *Scott, J.B.*, +, *T-MTT Dec 02* 3022-3028
- Pulse modulation**
- freq. offset retrodirective array, 62/66 GHz, self steered monostatic 3 dB beamwidth. *Buchanan, N.B.*, +, *MWSYM 02* 315-318 vol.1
- Pulse time modulation; cf.** Pulse width modulation
- Pulse width modulation**
- RF pulsewidth modulated microwave sig. generation using delta-sigma modulation. *Keyzer, J.*, +, *MWSYM 02* 397-400 vol.1

Q

Q-factor

- adjacent coplanar spiral inductors, substr. coupling effects. *Chao, C.-J.*, +, *MWSYM* 02 157-160 vol.1
- axisymmetric composite microwave cavities, reson. freq. and Q factor. *Kishk, A.A.*, +, *T-MTT Oct* 02 2287-2293
- bond-wire inductor-MOS varactor VCO, 1.8-2.4 GHz tunable. *Svelto, F.*, +, *T-MTT Jan* 02 403-407
- capacitive defect EBG resonator. *Xun Gong*, +, *MWSYM* 02 1091-1094 vol.2
- C-band oscillator using high-Q inductors embedded in multi-layer organic packaging. *Yoon, S.-W.*, +, *MWSYM* 02 703-706 vol.2
- CMOS 2.4-GHz/5-GHz LNA, high-resist. ELTRAN SOI-Epi wafers. *Kodate, J.*, +, *MWSYM* 02 1419-1422 vol.3
- CMOS LC-resonator quadrature VCO, low power, 2.45 GHz, tuning. *Leenaerts, D.*, +, *RFIC* 02 67-70
- CMOS RFIC/MMIC, bonding pad, depletion-insulation struct. *Sang Lam*, +, *MWSYM* 02 677-680 vol.2
- confocal annular ellipt. waveguides & resonators, atten. characts. *Guierrez-Vega, J.C.*, +, *T-MTT Apr* 02 1095-1100
- Cu high-Q inductors on CMOS-grade Si substr. with low-k BCB dielec. layer. *Xiao Huo*, +, *MWSYM* 02 513-516 vol.1
- Cu high-Q inductors on std. Si substr. with low-k BCB dielec. layer. *Xiao Huo*, +, *RFIC* 02 403-406
- dielec. resonator filter and duplexer, TM₁₁ mode. *Enokihara, A.*, +, *MWSYM* 02 1781-1784 vol.3
- dielec. resonator unloaded Q-factor meas. by transm./refl. mode methods using S-param. circle fitting. *Leong, K.*, +, *MWSYM* 02 1665-1668 vol.3
- differentially driven symmetric microstrip inductors, config. and Si RFIC appl. *Danesh, M.*, +, *T-MTT Jan* 02 332-341
- differentially-tuned CMOS LC VCO for 10 Gbit/s clock-and-data-recovery ccts. *Mukherjee, D.*, +, *MWSYM* 02 707-710 vol.2
- digital-type RF MEMS SC in CPW config., fab. and perform. *Rizk, J.B.*, +, *MWSYM* 02 1217-1220 vol.2
- dual-mode filters with grooved dielec. resonator loaded cavity for cellular radio base-stations. *Accatino, L.*, +, *MWSYM* 02 1453-1456 vol.3
- extended FDTD tech. includ. pass. and act. elements, stabil. anal. *Thiel, W.*, +, *T-MTT Sep* 02 2159-2165
- HDPE, low-loss, microwave props., cryogenic temps. *Jacob, M.V.*, +, *T-MTT Feb* 02 474-480
- high-Q factor spiral inductor topol. based on 3D MMIC technol. *Piernas, B.*, +, *T-MTT Aug* 02 1942-1949
- high-Q inductors in organic substrs. for 1-3 GHz wireless appls., design. *Dalmia, S.*, +, *MWSYM* 02 1405-1408 vol.3
- high-Q MEMS varactors, extended tuning range and discrete-posn. designs. *Dussopt, L.*, +, *MWSYM* 02 1205-1208 vol.2
- InGaP/GaAs HBT MMIC VCO, Ku band, with bal./differential topologies. *Dong-Hyun Baek*, +, *MWSYM* 02 847-850 vol.2
- integrated inductors in chip-to-board interconnect layer, fab. using electroplating bonding. *Yeun-Ho Joung*, +, *MWSYM* 02 1409-1412 vol.3
- microstrip resonators fabricated on magnetized ferrites with arbitrarily oriented bias mag. field. *Leon, G.*, +, *T-MTT Jun* 02 1510-1519
- microwave field, FDTD anal., num. divergence errors. *Celuch-Marcysiak, M.*, *MWSYM* 02 751-754 vol.2
- multilayer metal/dielec. structs., reson. tunneling of microwave energy. *Eriksson, A.*, +, *MWSYM* 02 2009-2012 vol.3
- multilayer organic syst. on package integrated pass., RF-microwave multi-band design solns. *Davis, M.F.*, +, *MWSYM* 02 2217-2220 vol.3
- on-chip spiral inductor, substr. coupling effects, RFIC. *Chuan-Jane Chao*, +, *RFIC* 02 311-314
- organic wafer-level packaging platform for highly integrated RF transceivers. *Ramachandran, R.*, +, *MWSYM* 02 1401-1404 vol.3
- polysilicon differential multi-finger MEMS tunable capacitors for RFIC. *Ionis, G.V.*, +, *MWSYM* 02 345-348 vol.1
- polystyrene, cross-linked, low-loss, microwave props., cryogenic temps. *Jacob, M.V.*, +, *T-MTT Feb* 02 474-480
- PTFE, low-loss, microwave props., cryogenic temps. *Jacob, M.V.*, +, *T-MTT Feb* 02 474-480
- RFIC pass. devices develop., VCO simul., cct. perform. *Coolbaugh, D.*, +, *RFIC* 02 341-344
- RFIC, spiral inductor, wideband compact model. *Melendy, D.*, +, *MWSYM* 02 717-720 vol.2
- RFIC, submicron technol., spiral inductor, dummy pattern. *Jae-Hong Chang*, +, *MWSYM* 02 529-532 vol.1
- ring resonators, closed/open-loop, equiv. lumped elements/unloaded Q values. *Lung-Hwa Hsieh*, +, *T-MTT Feb* 02 453-460
- sapphire resonator design, high-Q, with DBR. *Piquet, O.*, +, *MWSYM* 02 1993-1996 vol.3
- Si based monolithic integrated transformers, substr. RF losses. *Ng, K.T.*, +, *T-MTT Jan* 02 377-383
- SiGe BiCMOS MM-wave IC, monolithic inductor. *Dubuc, D.*, +, *MWSYM* 02 193-196 vol.1
- SiGe HBT, sapphire resonator oscillator, phase noise. *Cibiel, G.*, +, *MWSYM* 02 691-694 vol.2
- Si micromachined high-Q resonator at 5.7 GHz, design and fab. *Tavernier, C.A.*, +, *T-MTT Oct* 02 2305-2314
- Si micromachined RF MEMS resonators, fab. and perform. *Strohm, K.M.*, +, *MWSYM* 02 1209-1212 vol.2
- Si RFIC, multi-layer transformer balun. *Yang, H.Y.D.*, +, *MWSYM* 02 601-604 vol.1
- Si smart substr., RF pass. integrat. *Dong-Wook Kim*, +, *MWSYM* 02 1561-1564 vol.3
- Si two-port & three-port inductors, freq. depend. losses modeling. *Kamgaing, T.*, +, *RFIC* 02 307-310
- spiral inductor, 2D PBG periodic array. *Hsien-Shun Wu*, +, *MWSYM* 02 1087-1090 vol.2
- spiral inductor modeling with eddy-current effect, series resist. predict. *Ban-Leong Ooi*, +, *T-MTT Sep* 02 2202-2206
- spiral inductors embedded on MCM-L organic substrs. for syst.-on-package appls. *Lee, S.H.*, +, *MWSYM* 02 2229-2232 vol.3
- spiral inductors for submicron CMOS RFICs, effects of dummy patterns and substr. *Jae-Hong Chang*, +, *RFIC* 02 419-422
- spiral inductors in bulk CMOS, design, 6-layer Cu interconnects. *Kuhn, W.B.*, +, *RFIC* 02 385-388
- spiral inductors in deep-sub- m bulk CMOS with Cu interconnects, design considerations. *Kuhn, W.B.*, +, *MWSYM* 02 301-305 vol.1
- spiral inductor, SOI technol. *Kelly, D.*, +, *MWSYM* 02 541-543 vol.1
- spiral inductors on insulating substrs., perform. improvements. *Kelly, D.*, +, *RFIC* 02 431-433
- SrTiO₃ disk resonator, narrow-band tunable band-pass filter. *Deleniv, A.*, +, *MWSYM* 02 1197-1200 vol.2
- stepped impedance resonator bandpass filters, tunable transm. zeros. *Jen-Tsai Kuo*, +, *MWSYM* 02 1613-1616 vol.3
- super compact RFIC inductors in 0.18 m CMOS, all-copper interconnects. *Feng, H.*, +, *RFIC* 02 443-446
- TE₁₀ rect.-waveguide-type resonators, bandpass filter appls. *Hee Yong Hwang*, +, *T-MTT Jul* 02 1821-1831
- TFBAR filter, wireless commun. *Kim, K.W.*, +, *MWSYM* 02 1181-1184 vol.2
- transm.-type resonator, unloaded Q-factors meas. by insertion loss/return loss methods, error anal. *Ma, Z.*, +, *MWSYM* 02 1661-1664 vol.3
- two-port/three-port symmetric inductors on Si, freq. depend. losses modeling. *Kamgaing, T.*, +, *MWSYM* 02 153-156 vol.1
- whispering-gallery modes in shielded hemispherical dielectric resonators. *Eremenko, Z.E.*, +, *T-MTT Nov* 02 2647-2649
- Q-factor measurement**
- dielec. resonators, transm.-mode Q-factor meas. tech. *Leong, K.*, +, *T-MTT Sep* 02 2115-2127
- Quadratic programming**
- microwave device optim., EM scatt., 2D p-adaptive FEM. *Gavrilovic, M.M.*, +, *T-MTT Aug* 02 1901-1911
- Quadrature amplitude modulation**
- direct carrier modulation, microwave-photonics vector modulator. *Chandramouli, S.*, +, *MWSYM* 02 1293-1296 vol.2
- SiGe transceiver chipset for 100 Mbps/1 Gbps digital commun. over CATV. *Alexanian, A.*, +, *RFIC* 02 119-122
- Quadrature frequency shift keying**
- Ka-band direct digital receiver. *Tatu, S.O.*, +, *T-MTT Nov* 02 2436-2442
- Quadrature phase shift keying**
- adaptive multi-functional array for wireless sens. systs., reconfigurable phased array commun. *Miyamoto, R.Y.*, +, *MWSYM* 02 1369-1372 vol.2
- broadband wireless commun., bal. adaptive beamforming syst. *Seong-Sik Jeon*, +, *MWSYM* 02 1357-1360 vol.2
- direct carrier modulation, microwave-photonics vector modulator. *Chandramouli, S.*, +, *MWSYM* 02 1293-1296 vol.2
- direct digital receiver, QPSK sig. decoding, learning algms. *Mireux, O.*, +, *MWSYM* 02 497-500 vol.1
- direct quadrature converter, patch antenna integrat. *Ji-Yong Park*, +, *MWSYM* 02 1277-1280 vol.2
- EER transmitter, delta-sigma modulation, WLAN and 3G appls. *Kang-Chun Peng*, +, *MWSYM* 02 1651-1654 vol.3
- GaAs PHEMT direct digital six-port MM wave receiver, Ka-band, QPSK commun. *Ovidiu Tatu, S.*, +, *RFIC* 02 155-158
- receiving-mode multibeam antenna array, opt. BFN. *Shibata, O.*, +, *T-MTT May* 02 1425-1430
- RF pulsewidth modulated microwave sig. generation using delta-sigma modulation. *Keyzer, J.*, +, *MWSYM* 02 397-400 vol.1
- six-port direct digital receiver and std. direct receiver results for QPSK modulation at high speeds. *Schiel, J.-C.*, +, *MWSYM* 02 931-934 vol.2
- Quantization (signal)**
- E911 GPS receiver, highly integrated, BiCMOS chip. *Wilz, L.*, +, *RFIC* 02 115-118

Quantum interference phenomena; cf. Resonant tunneling

Quantum well devices

ultralow DC power VCO based on InP-HEMT and heterojunction interband tunnel diode for wireless applications. *Cidronali, A.*, +, *T-MTT Dec 02* 2938-2946

Quantum wells; cf. Quantum well devices

Quartz

conductor-backed coplanar ccts., use of vias in CPW ground planes. *Haydl, W.H.*, *T-MTT Jun 02* 1571-1577

R

Radar

compact single-chip W-band FMCW radar modules for commercial high-resolution sensor applications. *Tessmann, A.*, +, *T-MTT Dec 02* 2995-3001

government support for research in U.S. academic institutions. *Trew, R.J.*, +, *T-MTT Mar 02* 1028-1033

Radar; cf. Airborne radar; CW radar; Doppler radar; Military radar; Phased array radar; Radar applications; Radar cross-sections; Radar equipment; Radar polarimetry; Radar signal processing; Road vehicle radar; Spaceborne radar; Spread spectrum radar; Synthetic aperture radar

Radar antennas

automotive radar, multibeam imaging antenna. *Schoenlinner, B.*, +, *MWSYM 02* 1373-1376 vol.2

HEMT voltage controlled bi-directional amps. in support of component reuse for large aperture phase array. *Yang, J.M.*, +, *MWSYM 02* 65-68 vol.1

microwave/MM-wave radar, hist., mil. and civ. appls. *Skolnik, M.*, *T-MTT Mar 02* 625-632

MM-wave wide-scan spherical-lens antennas for automotive radars. *Schoenlinner, B.*, +, *T-MTT Sep 02* 2166-2175

multiple-output photonic RF phase shifters for opt. controlled radar systs. *Fetterman, H.*, +, *MWSYM 02* 1937-1940 vol.3

phased-array antenna transmit/receive modules, microwave fn., perform., cost. *Kopp, B.A.*, +, *T-MTT Mar 02* 827-834

retrodirective array, electronic RCS modif. *Fusco, V.F.*, +, *T-MTT Jul 02* 1772-1778

X-band on-chip radar receiver front-end for adaptive smart skin array antennas. *Malmqvist, R.*, +, *MWSYM 02* 1431-1434 vol.3

Radar applications

buried targets, microwave radar underground propag. and detect. appls. *Carin, L.*, +, *T-MTT Mar 02* 945-952

Doppler speed sens. syst. using sig. proc. approach. *Weber, N.*, +, *MWSYM 02* 2233-2235 vol.3

impulse ground penetrating radar, pavement NDE. *Jeong Soo Lee*, +, *MWSYM 02* 1361-1363 vol.2

microwave/MM-wave radar, hist., mil. and civ. appls. *Skolnik, M.*, *T-MTT Mar 02* 625-632

rly. crossing obstacle sens. MM wave SS radar syst. *Watanabe, M.*, +, *MWSYM 02* 791-794 vol.2

Radar applications; cf. Radar detection; Radar imaging; Remote sensing by radar

Radar clutter

buried targets, microwave radar underground propag. and detect. appls. *Carin, L.*, +, *T-MTT Mar 02* 945-952

submillimeter-wave polarimetric compact ranges for scale-model radar meas. *Coulombe, M.*, +, *MWSYM 02* 1583-1586 vol.3

Radar cross-sections

retrodirective array, electronic RCS modif. *Fusco, V.F.*, +, *T-MTT Jul 02* 1772-1778

Radar detection

integrated automotive sens., radar and IR, IVHS. *Russell, M.E.*, +, *T-MTT Mar 02* 674-677

Radar equipment

FMCW radar transceiver, bal. FET cct., AM noise. *Fager, C.*, +, *T-MTT Apr 02* 1224-1227

PHEMT MM-wave MMIC chipset, 60 GHz wireless links and radar appls. *Fujii, K.*, +, *MWSYM 02* 1725-1728 vol.3

SiGe BiCMOS technol. for X-band/LMDS microwave appls. *Subbanna, S.*, +, *MWSYM 02* 401-404 vol.1

single-chip 94 GHz FMCW radar module for commercial sens. appls. *Tessmann, A.*, +, *MWSYM 02* 1851-1854 vol.3

technol. develop./appls., milestones. *Sobol, H.*, +, *T-MTT Mar 02* 594-611

Radar equipment; cf. Radar antennas; Radar receivers; Radar transmitters

Radar imaging

automotive radar, multibeam imaging antenna. *Schoenlinner, B.*, +, *MWSYM 02* 1373-1376 vol.2

Radar interference; cf. Radar clutter

Radar polarimetry

submillimeter-wave polarimetric compact ranges for scale-model radar meas. *Coulombe, M.*, +, *MWSYM 02* 1583-1586 vol.3

Radar receivers

act. MMIC filter for on-chip X-band radar receiver front-ends. *Malmqvist, R.*, +, *MWSYM 02* 1907-1910 vol.3

digital microwave receiver technol. *Tsui, J.B.Y.*, +, *T-MTT Mar 02* 699-705

submillimeter-wave polarimetric compact ranges for scale-model radar meas. *Coulombe, M.*, +, *MWSYM 02* 1583-1586 vol.3

X-band on-chip radar receiver front-end for adaptive smart skin array antennas. *Malmqvist, R.*, +, *MWSYM 02* 1431-1434 vol.3

Radar signal processing

opt. mixing of antenna sigs. in WDM systs. *Cabon, B.*, +, *MWSYM 02* 1953-1956 vol.3

Radar signal processing; cf. Radar imaging

Radar transmitters

microwave/MM-wave radar, hist., mil. and civ. appls. *Skolnik, M.*, *T-MTT Mar 02* 625-632

SiGe 20-GHz VCO and freq. divider, varactor-tuned LC-type oscillator, radar transmitter. *Ettinger, K.*, +, *MWSYM 02* 835-838 vol.2

submillimeter-wave polarimetric compact ranges for scale-model radar meas. *Coulombe, M.*, +, *MWSYM 02* 1583-1586 vol.3

Radiation; cf. Electromagnetic waves

Radiation therapy

modeling of planar applicators for microwave thermotherapy. *Carlier, J.*, +, *T-MTT Dec 02* 3036-3042

RF/microwave appls. in med., therapeutic/diagnostic appls. *Rosen, A.*, +, *T-MTT Mar 02* 963-974

Radio access networks

InGaP/InGaAs PHEMT MM-wave MMIC chipset, 60 GHz, wireless access syst. front-end appl. *Mimino, Y.*, +, *MWSYM 02* 1721-1724 vol.3

Ka-band 156 Mbps transceiver for WLAN syst. using PTFE/FR-4 laminated MCMs. *Takahashi, K.*, +, *MWSYM 02* 787-790 vol.2

microwave technol. in telecomm. syst., future directions. *Sobol, H.*, *T-MTT Mar 02* 1037-1038

photonic true-time delay beamformer for broadband wireless access networks. *Vidal, B.*, +, *MWSYM 02* 1949-1952 vol.3

WDM fiber-radio transm. using InP:Fe cryst.-based wavelength-self-tunable SSB filter. *Vourch, E.*, +, *MWSYM 02* 1703-1706 vol.3

Radio applications; cf. Radiocommunication

Radioastronomical techniques

CPW embedding ccts. for THz hot-electron-bolometer mixers. *Focardi, P.*, +, *T-MTT Oct 02* 2374-2383

GaAs 2-bit ADC ICs for radio astron. appls. *Okiura, M.*, +, *MWSYM 02* 485-488 vol.1

microwave instrumentation, radio astron. *Webber, J.C.*, +, *T-MTT Mar 02* 986-995

Radiocommunication

millimeter-wave power-fading compensation for WDM fiber-radio transmission using a wavelength-self-tunable single-sideband filter. *Vourc'h, E.*, +, *T-MTT Dec 02* 3009-3015

Radiocommunication; cf. Digital radio; Indoor radio; Meteor burst communication; Mobile radio; Radio equipment; Radio links; Radio networks; Radiotelemetry; Wireless LAN

Radio equipment

adaptive Volterra predistorter for RF high power amp. lin. in wireless commun. *Anding Zhu*, +, *MWSYM 02* 461-464 vol.1

broadband wireless commun., bal. adaptive beamforming syst. *Seong-Sik Jeon*, +, *MWSYM 02* 1357-1360 vol.2

CDMA syst., high power amp. *Kim, T.H.*, +, *MWSYM 02* 437-440 vol.1

GaAs PHEMT MMIC power amps., 1 W/2 W, for commercial K/Ka-band appls. *Schellenberg, J.M.*, *MWSYM 02* 445-448 vol.1

GaAs PHEMT MMICs, MM-wave radio front-end. *Karkkainen, M.*, +, *MWSYM 02* 1273-1276 vol.2

IEEE RFIC symposium, Seattle, USA (Jun 02). *RFIC-02 xxxi+501*

microwave HTSC technol., appls. overview. *Mansour, R.R.*, *T-MTT Mar 02* 750-759

opt. controlled phased array antennas for wireless commun., flexible beamformer/remoting head. *Riza, N.A.*, +, *MWSYM 02* 1941-1944 vol.3

PHEMT MM-wave MMIC chipset, 60 GHz wireless links and radar appls. *Fujii, K.*, +, *MWSYM 02* 1725-1728 vol.3

RF power devices, wireless commun. *Weitzel, C.E.*, *MWSYM 02* 285-288 vol.1

Si RF integrat., develop. of technols. and design techs. *Sevenhans, J.*, +, *T-MTT Jan 02* 235-244

TWT slow wave ccts. for wireless commun., low cost. *Vancil, B.K.*, +, *MWSYM 02* 465-468 vol.1

Radio equipment; cf. Radio receivers; Radio repeaters; Radio transmitters; Transceivers

Radiofrequency amplifiers

- 1.8-GHz high-efficiency 34-dBm silicon bipolar power amplifier. *Carrara, F.*, +, *T-MTT Dec 02* 2963-2970
- 3G power amp. charactn., complex behavior test bed. *Boumaiza, S.*, +, *MWSYM 02* 2241-2244 vol.3
- AlGaIn/GaN HFET amp., RF charact. *Trew, R.J.*, *MWSYM 02* 1811-1814 vol.3
- CMOS distributed amp., pass.-free input driver. *Stengel, B.*, +, *RFIC 02* 257-260
- EER transmitter, delta-sigma modulation, WLAN and 3G appls. *Kang-Chun Peng*, +, *MWSYM 02* 1651-1654 vol.3
- GaAs-on-Si power amp., wireless handset. *Escalera, N.*, +, *MWSYM 02* 1031-1034 vol.2
- integrated power transistor in 0.18- m CMOS technology for RF system-on-chip applications. *Hsu, H.-M.*, +, *T-MTT Dec 02* 2873-2881
- Kahn EER tech., out-of-band emissions of digital transms. *Rudolph, D.*, *T-MTT Aug 02* 1979-1983
- LDMOS power amp., ultra-lin. sq.-law approx. *van der Heijden, M.P.*, +, *T-MTT Sep 02* 2176-2184
- LTCC technol., enabler of high power RF integrated amps. *Piel, P.-M.*, +, *MWSYM 02* 1557-1560 vol.3
- M-ary PSK sig. power spectrum at nonlin. power amp. output. *Launay, F.*, +, *MWSYM 02* 2197-2200 vol.3
- optimum bias conditions for linear broad-band InGaP/GaAs HBT power amplifiers. *Iwamoto, M.*, +, *T-MTT Dec 02* 2954-2962
- probe-tone S-param. meas. tech. for power amps. *Martens, J.*, +, *T-MTT Sep 02* 2076-2082
- quantifying memory effects in RF power amplifiers. *Ku, H.*, +, *T-MTT Dec 02* 2843-2849
- RF amp. lin., harmonic and baseband sig. injection. *Chun-Wah Fan*, +, *T-MTT Jul 02* 1801-1806
- RF power amp., DC-DC converter, switching noise, act. cancellation. *Kobayashi, H.*, +, *MWSYM 02* 1647-1650 vol.3
- RF power devices, wireless commun. *Weitzel, C.E.*, *MWSYM 02* 285-288 vol.1
- SiGe HBT, RF power amp., max. operating region. *Inoue, A.*, +, *MWSYM 02* 1023-1026 vol.2
- switchless Class E/F dual-band power amp. *Bohn, F.*, +, *MWSYM 02* 1631-1634 vol.3
- W-CDMA base-station power amp. using adaptive digital predistort., syst. anal. *Potter, C.*, *MWSYM 02* 21-25 vol.1

Radiofrequency amplifiers; cf. Microwave amplifiers; Millimeter wave amplifiers; Submillimeter wave amplifiers; UHF amplifiers; VHF amplifiers

Radiofrequency filters

- RF power amp. lin., adaptive predistortion feedback path, anti-aliasing filter effects. *Weiyun Shan*, +, *MWSYM 02* 469-472 vol.1
- smart antenna receiver array using single RF channel and digital beamforming. *Fredrick, J.D.*, +, *T-MTT Dec 02* 3052-3058

Radiofrequency filters; cf. Microwave filters; Millimeter wave filters; UHF filters

Radiofrequency heating

- HF/VHF/UHF systs. and technol., appls. *Raab, F.H.*, +, *T-MTT Mar 02* 888-899

Radiofrequency heating; cf. Microwave heating

Radiofrequency interference

- high-speed ccts., parallel-plate noise suppression, metallic EM band-gap struct. *Abhari, R.*, +, *MWSYM 02* 493-496 vol.1

Radiofrequency interference; cf. Adjacent channel interference; Jamming; White noise

Radiofrequency oscillators

- GSM direct conversion transceiver, RF LO. *Magoon, R.*, +, *RFIC 02* 23-26
- RFIC, pass. devices. *Coolbaugh, D.*, +, *MWSYM 02* 187-191 vol.1

Radiofrequency oscillators; cf. Microwave oscillators; Millimeter wave oscillators; Submillimeter wave oscillators; UHF oscillators

Radiofrequency spectra; cf. Submillimeter wave spectra

Radiofrequency spectroscopy; cf. Submillimeter wave spectroscopy

Radio links

- predistortion cct. design for 2nd- and 3rd-order lin. in laser-based radio-over-fiber systs. *Roselli, L.*, +, *MWSYM 02* 1711-1714 vol.3
- SiGe BiCMOS technol. for X-band/LMDS microwave appls. *Subbanna, S.*, +, *MWSYM 02* 401-404 vol.1

Radio links; cf. Microwave links

Radiometers

- dual-channel microwave radiometers, on-board accurate calib. *Corbella, I.*, +, *T-MTT Jul 02* 1816-1820
- MM-wave polarimeter, calib., dielec. sheet. *O'Dell, C.W.*, +, *T-MTT Sep 02* 2135-2141

Radiometers; cf. Bolometers

Radiometry

- dual-mode antenna, microwave hyperthermia, multifrequency radiometry. *Jacobsen, S.*, +, *T-MTT Jul 02* 1737-1746

Radio networks

- fixed wireless utility network, low-IF receiver, dyn. range. *Thumaty, S.*, +, *MWSYM 02* 935-938 vol.2
- wireless commun., future develop. *Webb, W.*, *RFIC 02* 7-11
- world-wide wireless web. *Abdi, B.*, +, *RFIC 02* 3-6

Radio networks; cf. Radio access networks

Radio receivers

- 3G mobiles, reconfigurable highly-integrated receiver archit. *Minnis, B.*, +, *RFIC 02* 187-190
- 3G UMTS/WCDMA handset RF subsyst., BiCMOS chipset. *Brunel, D.*, +, *RFIC 02* 191-194
- 75 GHz BiCMOS UMTS zero-IF receiver, analog baseband chain. *Schelmbauer, W.*, +, *MWSYM 02* 13-16 vol.1
- Bluetooth 6.5-mW receiver front-end in 0.18- m CMOS. *Beffa, F.*, +, *RFIC 02* 391-394
- Bluetooth low-IF receiver front-end, CMOS chip. *Beffa, F.*, +, *MWSYM 02* 501-504 vol.1
- CDMA receiver, adaptive antenna array, LO phase noise. *Slade, G.W.*, *MWSYM 02* 1353-1356 vol.2
- CMOS Bluetooth receiver IC, 3 V, develop. and implement. *Wenjun Sheng*, +, *RFIC 02* 107-110
- CMOS fully-differential image-reject mixer, Bluetooth receiver. *Khannur, P.B.*, +, *RFIC 02* 439-442
- CMOS image-reject mixer, Bluetooth receiver. *Khannur, P.B.*, +, *MWSYM 02* 549-552 vol.1
- CMOS LC-resonator quadrature VCO, low power, 2.45 GHz, tuning. *Leenaerts, D.*, +, *RFIC 02* 67-70
- CMOS RF receiver, 900 MHz, ESD protection design. *Ming-Dou Ker*, +, *RFIC 02* 427-430
- concurrent multiband LNAs, theory, design, and radio receiver appl. *Hashemi, H.*, +, *T-MTT Jan 02* 288-301
- digital microwave receiver technol. *Tsui, J.B.Y.*, +, *T-MTT Mar 02* 699-705
- direct conversion receiver design, mobile phone syst. *Ali, F.*, *RFIC 02* 21-22
- DS-SS commun. for multipath channels. *Pursley, M.B.*, *T-MTT Mar 02* 653-661
- E911 GPS receiver, highly integrated, BiCMOS chip. *Wilz, L.*, +, *RFIC 02* 115-118
- LTCC integrated tri-band direct conversion receiver front-end module. *Lucero, R.*, +, *MWSYM 02* 1545-1548 vol.3
- SAW front end modules for GSM cellular phones with direct-conversion demodulation. *Hikita, M.*, +, *MWSYM 02* 1483-1486 vol.3
- Si BiCMOS receivers for normal and micro GSM900 and DCS 1800 base stations. *Gould, P.*, +, *T-MTT Jan 02* 369-376
- SiGe BiCMOS direct-conversion W-CDMA front-end receiver chip. *Lie, D.Y.C.*, +, *RFIC 02* 31-34
- SiGe BiCMOS LNA & mixer, high lin., cellular CDMA/AMPS appl. *Aparin, V.*, +, *RFIC 02* 129-132
- SiGe BiCMOS technol., UMTS zero-IF receiver. *Schelmbauer, W.*, +, *RFIC 02* 267-270
- SiGe MMIC receiver, even harmonic type, W-CDMA mobile terminals. *Taniguchi, E.*, +, *RFIC 02* 133-136
- SiGe sub-harmonic direct-conversion receiver front-end design for 5-6 GHz band appls. *Svitek, R.*, +, *RFIC 02* 395-398
- W-CDMA mobile radio terminals, highly integrated RFICs, review. *Springer, A.*, +, *T-MTT Jan 02* 254-267
- W-CDMA mobile terminal, integrated even harmonic type direct conversion receiver. *Itoh, K.*, +, *RFIC 02* 263-266
- W-CDMA mobile terminals, integrated even harmonic type direct conversion receiver. *Itoh, K.*, +, *MWSYM 02* 9-12 vol.1

Radio receivers; cf. Superheterodyne receivers; Transponders

Radio repeaters

- satellite repeater amp. charactn., large bandwidth NPR/modulated sig. meas. *Mallet, A.*, +, *MWSYM 02* 2245-2248 vol.3

Radiotelemetry

- fixed wireless utility network, low-IF receiver, dyn. range. *Thumaty, S.*, +, *MWSYM 02* 935-938 vol.2

Radiotelephony; cf. Cellular radio; Cordless telephone systems

Radiotelescopes

- radio astron., microwave instrumentation. *Webber, J.C.*, +, *T-MTT Mar 02* 986-995

Radio transmitters

- EER transmitter, delta-sigma modulation, WLAN and 3G appls. *Kang-Chun Peng*, +, *MWSYM 02* 1651-1654 vol.3
- GaAs PHEMT MMIC power amp., 15 W, 3G wireless transmitter appls. *Staudinger, J.*, +, *MWSYM 02* 617-620 vol.2
- Kahn EER tech., out-of-band emissions of digital transms. *Rudolph, D.*, *T-MTT Aug 02* 1979-1983
- Ku-band low-loss stripline low-pass filter for LTCC modules, low-impedance lines. *Ohwada, T.*, +, *MWSYM 02* 1617-1620 vol.3
- RF/microwave power amps. & transmitters, overview. *Raab, F.H.*, +, *T-MTT Mar 02* 814-826

- RF pulsedwidth modulated microwave sig. generation using delta-sigma modulation. *Keyzer, J.*, +, *MWSYM 02* 397-400 vol.1
- SAW front end modules for GSM cellular phones with direct-conversion demodulation. *Hikita, M.*, +, *MWSYM 02* 1483-1486 vol.3
- self-heterodyne direct down conversion microwave commun. link, syst. predistortion. *Jin Park,* +, *MWSYM 02* 939-942 vol.2
- SiGe BiCMOS transmitter IC, CDMA wireless handset. *Reddy, M.*, +, *RFIC 02* 35-38
- SiGe BiCMOS TX-IC, W-CDMA mobile terminal. *Joba, H.*, +, *RFIC 02* 27-30
- Radio transmitters; cf.** Transponders
- Radiowave interferometers**
- GaAs 2-bit ADC ICs for radio astron. appls. *Okiura, M.*, +, *MWSYM 02* 485-488 vol.1
- Radiowave propagation**
- 1999 International Microwave and Optoelectronics Conference (special issue). *T-MTT Jan 02* 1-93
- 1999 International Microwave and Optoelectronics Conference (special issue intro.). *Hernandez-Figueroa, H.E.*, +, *T-MTT Jan 02* 1-3
- Radiowave propagation; cf.** Microwave propagation; Millimeter wave propagation; UHF radio propagation
- Radiowaves; cf.** Microwaves; Millimeter waves; Submillimeter waves
- Railways**
- rly. crossing obstacle sens. MM wave SS radar syst. *Watanabe, M.*, +, *MWSYM 02* 791-794 vol.2
- Rain**
- Ka-band satellite-earth links in Pacific maritime climate, rain fading charact. *Amaya, C.*, +, *T-MTT Jan 02* 41-45
- Randomized algorithms; cf.** Genetic algorithms
- Random noise; cf.** 1/f noise; Flicker noise; Shot noise; Thermal noise; White noise
- Random processes; cf.** Brownian motion
- Rapid thermal annealing**
- Schottky jn. transistors for micropower RFICs. *Spann, J.*, +, *RFIC 02* 423-426
- Rapid thermal processing; cf.** Rapid thermal annealing
- Rare earth compounds; cf.** Lanthanum compounds
- Rare earth metals; cf.** Neodymium
- Rational functions**
- complex permitt. of brain tissues, charactn. up to 50 GHz using two-port microstrip test fixture. *Tofighi, M.-R.*, +, *T-MTT Oct 02* 2217-2225
- Rayleigh-Ritz methods; cf.** Galerkin method
- Ray tracing**
- microwave oven, heating proc. modeling, heat radiation effects. *Haala, J.*, +, *T-MTT May 02* 1346-1354
- wireless commun. systs., propag. prediction models, ray-tracing techs., review. *Iskander, M.F.*, +, *T-MTT Mar 02* 662-673
- RC circuits**
- CMOS act. microwave cct. design, small-sig. substr. resist. effect modeling. *Yo-Sheng Lin,* +, *RFIC 02* 315-318
- RF CMOS, S-param. kink phenom., small-sig. substr. resist. effect. *Yo-Sheng Lin,* +, *MWSYM 02* 161-164 vol.1
- SiGe BiCMOS RC-ring oscillator, fiber optic transceiver. *Sanduleanu, M.A.T.*, +, *MWSYM 02* 545-548 vol.1
- step gain differential LNA with impedance unchanged in gain control. *Tanabe, M.*, +, *RFIC 02* 209-212
- Reactors (electric); cf.** Capacitors; Inductors
- Real-time systems**
- integrated microwave sensors for cavity-length measurement in machine engineering. *Megej, A.*, +, *T-MTT Dec 02* 3070-3076
- smart antennas, digital beamforming/calib. using real-time FPGA proc. *Nuteson, T.W.*, +, *MWSYM 02* 307-310 vol.1
- Receivers**
- Ka-band direct digital receiver. *Tatu, S.O.*, +, *T-MTT Nov 02* 2436-2442
- SiGe HBT dual-VCO, cable modem receiver. *Stadius, K.*, +, *RFIC 02* 471-474
- Receivers; cf.** Microwave receivers; Millimeter wave receivers; Optical receivers; Radar receivers; Radio receivers; Submillimeter wave receivers
- Receiving antennas**
- multibeam antenna array, opt. BFN. *Shibata, O.*, +, *T-MTT May 02* 1425-1430
- review of act. integrated antenna technols. *Chang, K.*, +, *T-MTT Mar 02* 937-944
- smart antenna syst. implement. based on digital beam-forming and software radio technols. *Wu, J.*, +, *MWSYM 02* 323-326 vol.1
- Reception; cf.** Diversity reception
- Recovery; cf.** Deformation
- Rectangular waveguides**
- adjoint sensitivity tech. for EM design optim., Yagi-Uda array and rect. patch antenna. *Georgieva, N.K.*, +, *MWSYM 02* 971-974 vol.2
- anisotropic rect. dielec. waveguides, Marcattili's method modif. for calc. *Dudorov, S.N.*, +, *T-MTT Jun 02* 1640-1642
- arbitrarily shaped inductive obstacles, hybrid mode-matching/num. method. *Esteban, H.*, +, *T-MTT Apr 02* 1219-1224
- broadband TEM-mode planar-rect. dielec. waveguide bandpass filter. *Kundu, A.C.*, *MWSYM 02* 381-384 vol.1
- CAD of waveguide struct. with prod. based rads. at double plane steps and jn. ports. *Reiter, J.M.*, +, *MWSYM 02* 2081-2084 vol.3
- chirowaveguides, 2D and 3D discontinuities study. *Wu, T.X.*, +, *T-MTT Oct 02* 2320-2330
- circ.-to-rect. waveguide T-jn., dual-mode filter design. *Ke-Li Wu,* +, *T-MTT Feb 02* 465-473
- dielec. filled rect. waveguides, radiating long. slots, equiv. cct., FDTD method. *Gatti, R.V.*, +, *MWSYM 02* 871-874 vol.2
- discontinuities investig., TLM-based modal-extraction approach. *Ghosh, B.*, +, *T-MTT Oct 02* 2294-2304
- EM based optim. of advanced waffle-iron and rect. combine filters, CAD method. *Arndt, F.*, +, *MWSYM 02* 2053-2056 vol.3
- filters, integral eqn./boundary integral-reson. mode expansion method anal. *Boria, V.E.*, +, *MWSYM 02* 393-396 vol.1
- finite ground coplanar line-to-waveguide transit. for W-band. *Yongshik Lee,* +, *MWSYM 02* 1871-1874 vol.3
- frozen packed beds, microwave melting, rect. waveguide appl. *Ratanadecho, P.*, +, *T-MTT Jun 02* 1495-1502
- irregular rect. waveguides, high functionality mode transformers. *Ming-Chuan Yang,* +, *MWSYM 02* 2013-2016 vol.3
- microwave device optim., EM scatt., 2D p-adaptive FEM. *Gavrilovic, M.M.*, +, *T-MTT Aug 02* 1901-1911
- microwave waveguide filter, rect. quadruple-mode cavity. *Boutheiller, N.*, +, *MWSYM 02* 1777-1780 vol.3
- nonreciprocal remanence ferrite phase shifter in grooved waveguide. *Wenquan Che,* +, *T-MTT Aug 02* 1912-1918
- reentrant resonators for microwave meas. units, rect. waveguide. *Romodina, V.B.*, +, *MWSYM 02* 1365-1368 vol.2
- sampled-line reflectometer for sub-mm-wave meas. *Ulker, S.*, +, *MWSYM 02* 1677-1680 vol.3
- stepped-impedance resonator filters, stopband perform. *Morelli, M.*, +, *T-MTT Jul 02* 1657-1664
- TE₁₀ rect.-waveguide-type resonators, bandpass filter appls. *Hee Yong Hwang,* +, *T-MTT Jul 02* 1821-1831
- thin metal wires in rect. waveguide, scatt. and absorpt. study. *Bingle, M.*, +, *T-MTT Jun 02* 1621-1627
- Rectangular waveguides; cf.** Ridge waveguides
- Rectification**
- circ. polarized rectifying antenna array, wireless microwave power transm. *Strassner, B.*, +, *MWSYM 02* 1535-1538 vol.3
- dual freq. rectenna for high efficiency wireless power transm. at 2.45 and 5.8 GHz. *Young-Ho Suh,* +, *MWSYM 02* 1297-1300 vol.2
- Rectifiers; cf.** Solid-state rectifiers
- Recursive filters**
- adaptive Volterra predistorter for RF high power amp. lin. in wireless commun. *Anding Zhu,* +, *MWSYM 02* 461-464 vol.1
- Reduced order systems**
- lossy transm. lines, steady-state skin-effect anal., FEM-based reduced-order model. *Bertazzi, F.*, +, *MWSYM 02* 2025-2028 vol.3
- synthesis of equivalent-circuit models for multiports characterized by frequency-dependent parameters. *Neumayer, R.*, +, *T-MTT Dec 02* 2789-2796
- Reflection; cf.** Electromagnetic wave reflection
- Reflectometers**
- sampled-line reflectometer for sub-mm-wave meas. *Ulker, S.*, +, *MWSYM 02* 1677-1680 vol.3
- six-port reflectometers self-calib., act. loads synthesis, autom. method. *Yakabe, T.*, +, *T-MTT Apr 02* 1237-1239
- Reflectometry**
- fusion plasma diagnostics, THz techs. use. *Deng, B.H.*, +, *MWSYM 02* 1587-1590 vol.3
- Reflectometry; cf.** Microwave reflectometry; Time-domain reflectometry
- Reflector antennas**
- varactor loaded reflectarray antenna, beam steering, phase distrib. *Boccia, L.*, +, *MWSYM 02* 69-73 vol.1
- Refraction**
- planar negative refractive index media using periodically L-C loaded transmission lines. *Eleftheriades, G.V.*, +, *T-MTT Dec 02* 2702-2712
- Refraction; cf.** Electromagnetic wave refraction
- Relativistic electron beam tubes**
- RF vac. electronics, hist. & recent advances. *Parker, R.K.*, +, *T-MTT Mar 02* 835-845
- Reliability**
- battle phases, time- and freq.-multiplexed basis. *Spezio, A.E.*, *T-MTT Mar 02* 633-644
- Nakagami/Rice fading channels, diversity combining techs., generalized soln. *da Silva, C.R.C.M.*, +, *T-MTT Jan 02* 46-50

Reliability; cf. Circuit reliability; Semiconductor device reliability

Remanence

nonreciprocal remanence ferrite phase shifter in grooved waveguide. *Wenquan Che*, +, *T-MTT Aug 02* 1912-1918

Remote sensing

airborne dual-channel microwave radiometers, on-board accurate calib. *Corbella, I.*, +, *T-MTT Jul 02* 1816-1820

C nanotube RF reson. cct. sens., gas rem. sens. *Chopra, S.*, +, *MWSYM 02* 639-642 vol.2

cylindrically stratified media, microwave imaging, anal. method. *Akhtar, M.J.*, +, *MWSYM 02* 2005-2008 vol.3

government support for research in U.S. academic institutions. *Trew, R.J.*, +, *T-MTT Mar 02* 1028-1033

wireless IDT sens. *Jose, K.A.*, +, *MWSYM 02* 655-658 vol.2

Remote sensing; cf. Remote sensing by radar

Remote sensing by radar

bioparticle rem. detect. in THz region, differential absorpt. radar. *Brown, E.R.*, +, *MWSYM 02* 1591-1594 vol.3

single-chip 94 GHz FMCW radar module for commercial sens. appls. *Tessmann, A.*, +, *MWSYM 02* 1851-1854 vol.3

Repeaters; cf. Radio repeaters

Research initiatives

Asia-Pacific region microwave educ. & R&D initiatives. *Yamashita, E.*, +, *T-MTT Mar 02* 1046-1055

European microwave activities & infrastructures, overview. *Sorrentino, R.*, +, *T-MTT Mar 02* 1056-1072

government support for research in U.S. academic institutions. *Trew, R.J.*, +, *T-MTT Mar 02* 1028-1033

Resistors

CMOS Bluetooth transceiver IC with Cu RF pass., fab. and perform. *Doan, M.T.*, +, *RFIC 02* 415-418

integrated pass. on PCBs, CAD methodology. *Draxler, P.*, *MWSYM 02* 2097-2100 vol.3

RFIC, pass. devices. *Coolbaugh, D.*, +, *MWSYM 02* 187-191 vol.1

Resistors; cf. Thin film resistors

Resists; cf. Photoresists

Resonance

broadband flip-chip transit. design, locally matching tech. *Chun-Long Wang*, +, *MWSYM 02* 1397-1400 vol.3

patch antennas using microstrip disk resonators with stubs, theoretical study. *Dmitriev, V.A.*, +, *T-MTT Jan 02* 27-29

rect. dielec. resonator in MIC environ., reson. modes simul. *Yaxun Liu*, +, *MWSYM 02* 1901-1904 vol.3

RF integrated inductors, freq.-depend. compact model. *Sieiro, J.*, +, *T-MTT Jan 02* 384-392

spiral inductors embedded on MCM-L organic substrs. for syst.-on-package appls. *Lee, S.H.*, +, *MWSYM 02* 2229-2232 vol.3

Resonance; cf. Circuit resonance; Surface plasmon resonance

Resonant tunneling

multilayer metal/dielec. structs., reson. tunneling of microwave energy. *Eriksson, A.*, +, *MWSYM 02* 2009-2012 vol.3

Resonator filters

cascaded coupled resonator filters, computer-aided diagnosis and tuning. *Heng-Tung Hsu*, +, *T-MTT Apr 02* 1137-1145

circ.-disk resonator, bandpass filter, input coupling struct. *Yeo, K.S.K.*, +, *T-MTT Apr 02* 1230-1232

coaxial-line bandpass filter, saucer-loaded stepped-impedance resonator. *Uchida, H.*, +, *MWSYM 02* 1785-1787 vol.3

coplanar two-pole filter, qtr.-wavelength resonator. *Paillot, T.*, +, *MWSYM 02* 1793-1796 vol.3

coupled resonator filters with source/load-multiresonator coupling, adaptive synthesis. *Amari, S.*, +, *T-MTT Aug 02* 1969-1978

CPS resonator modeling, CPS-microstrip transit., bandpass filter appl. *Young-Ho Suh*, +, *T-MTT May 02* 1289-1296

dual-mode quasi-ellipt.-fn. bandpass filters, ring resonators, enhanced-coupling. *Lung-Hwa Hsieh*, +, *T-MTT May 02* 1340-1345

ferromag. composite, mag. tunable microwave device. *Salahun, E.*, +, *MWSYM 02* 1185-1188 vol.2

folded dual-mode HTS microstrip resonator/band pass filter. *Raihn, K.F.*, +, *MWSYM 02* 1959-1962 vol.3

interdigital filters, optim. by CAD applying coupling ident. method. *Saboureaux, C.*, +, *MWSYM 02* 2089-2092 vol.3

Ku-band low-loss stripline low-pass filter for LTCC modules, low-impedance lines. *Ohwada, T.*, +, *MWSYM 02* 1617-1620 vol.3

method of lines anal., nonequidistant discretization. *Greda, L.A.*, +, *MWSYM 02* 1877-1880 vol.3

microstrip filters using folded qtr.-wave resonators. *Chi-Yang Chang*, +, *MWSYM 02* 1609-1612 vol.3

microwave filters, computer-aided tuning using fuzzy logic. *Miraftab, V.*, +, *MWSYM 02* 1117-1120 vol.2

microwave filters, survey of design techs. *Levy, R.*, +, *T-MTT Mar 02* 783-793

microwave filter technol. develop., appls. perspective. *Hunter, I.C.*, +, *T-MTT Mar 02* 794-805

novel coupling schemes for microwave resonator filters. *Rosenberg, U.*, +, *T-MTT Dec 02* 2896-2902

open loop resonator filter, ground plane aperture. *Serksoon Im*, +, *MWSYM 02* 1801-1804 vol.3

parameter extraction for symmetric coupled-resonator filters. *Hsu, H.-T.*, +, *T-MTT Dec 02* 2971-2978

planar filter design using 0 feed struct., lumped-cct. model. *Chih-Ming Tsai*, +, *T-MTT Oct 02* 2362-2367

rect. waveguide stepped-impedance resonator filters, stopband perform. *Morelli, M.*, +, *T-MTT Jul 02* 1657-1664

resonator filters, synthesis without diagonal cross-couplings. *Cameron, R.J.*, +, *MWSYM 02* 1437-1440 vol.3

Si planar waveguide filter at 45 GHz based on periodic struct., design and fab. *Lenoir, B.*, +, *MWSYM 02* 1923-1926 vol.3

slow-wave bandpass filters, ring and stepped-impedance hairpin resonators. *Lung-Hwa Hsieh*, +, *T-MTT Jul 02* 1795-1800

spiral inductor resonator filter design and optim. *Gye-An Lee*, +, *MWSYM 02* 1621-1624 vol.3

/4 stepped-impedance resonator bandpass filter fab. on CPW. *Sanada, A.*, +, *MWSYM 02* 385-388 vol.1

stepped impedance resonator bandpass filters, tunable transm. zeros. *Jen-Tsai Kuo*, +, *MWSYM 02* 1613-1616 vol.3

symmetric coupled-resonator filters, param. extraction procedure. *Heng-Tung Hsu*, +, *MWSYM 02* 1445-1448 vol.3

YBaCuO HTSC microwave filters, tuning by laser trimming. *Parker, N.J.*, +, *MWSYM 02* 1971-1974 vol.3

Resonator filters; cf. Acoustic resonator filters; Cavity resonator filters; Dielectric resonator filters

Resonators

fabrication of MOD-derived YBCO films on (001)LaAlO₃ and their application to /4 CPW SIR BPFs. *Sanada, A.*, +, *T-MTT Dec 02* 2856-2861

metamaterials, effective material params. calc., FDTD and modal approach, reson. struct. *Schuhmann, R.*, +, *MWSYM 02* 2037-2040 vol.3

multilayer metal/dielec. structs., reson. tunneling of microwave energy. *Eriksson, A.*, +, *MWSYM 02* 2009-2012 vol.3

novel coupling schemes for microwave resonator filters. *Rosenberg, U.*, +, *T-MTT Dec 02* 2896-2902

reentrant resonators for microwave meas. units, rect. waveguide. *Romodín, V.B.*, +, *MWSYM 02* 1365-1368 vol.2

super-compact super-broadband tapered uniplanar PBG struct. for microwave/mm-wave appls. *Caloz, C.*, +, *MWSYM 02* 1919-1922 vol.3

suspended resonators for filters-reduced g excitation of evanescent cavities using high dielectric constant feedlines. *Snyder, R.V.*, +, *T-MTT Dec 02* 2890-2895

ultra-selective 22-pole 10-transmission zero superconducting bandpass filter surpasses 50-pole Chebyshev filter. *Tsuzuki, G.*, +, *T-MTT Dec 02* 2924-2929

W-band high-power squeeze-type phase shifter. *Hill, M.E.*, +, *T-MTT May 02* 1437-1441

Resonators; cf. Cavity resonators; Crystal resonators; Dielectric resonators; Micromechanical resonators; Optical resonators; Strip line resonators; Superconducting resonators

Reviews

delta-sigma data converters and use in wireless transceivers. *Galton, I.*, *T-MTT Jan 02* 302-315

dielec. materials and devices for microwave commun. systs. *Fiedziuszko, S.J.*, +, *T-MTT Mar 02* 706-720

European microwave activities & infrastructures, overview. *Sorrentino, R.*, +, *T-MTT Mar 02* 1056-1072

heterodyne reception microwave mixer develop., historical review. *Oxley, T.H.*, *T-MTT Mar 02* 867-876

microwave filters, survey of design techs. *Levy, R.*, +, *T-MTT Mar 02* 783-793

microwave photonics, hist., current status & future prospects. *Seeds, A.J.*, *T-MTT Mar 02* 877-887

review of act. integrated antenna technols. *Chang, K.*, +, *T-MTT Mar 02* 937-944

RF MEMS & Si micromachined ccts., state-of-the-art. *Katehi, L.P.B.*, +, *T-MTT Mar 02* 858-866

RF/microwave power amps. & transmitters, overview. *Raab, F.H.*, +, *T-MTT Mar 02* 814-826

RF vac. electronics, hist. & recent advances. *Parker, R.K.*, +, *T-MTT Mar 02* 835-845

SiGe BiCMOS proc. technol. and impact on RFIC design. *Das, A.*, +, *MWSYM 02* 171-174 vol.1

W-CDMA mobile radio terminals, highly integrated RFICs, review. *Springer, A.*, +, *T-MTT Jan 02* 254-267

wireless commun. systs., propag. prediction models, ray-tracing techs., review. *Iskander, M.F.*, +, *T-MTT Mar 02* 662-673

Rician channels

Nakagami/Rice fading channels, diversity combining techs., generalized soln. *da Silva, C.R.C.M.*, +, *T-MTT Jan 02* 46-50

Ridge waveguides

- dispersion rel. anal. using overlapping T-blocks. *Cho, Y.H.*, +, *T-MTT Oct 02* 2368-2373
- evanescent-mode ridged waveguide bandpass filters, improved perform. *Kirilenko, A.*, +, *T-MTT May 02* 1324-1327
- stripline tapped-in ridge waveguide bandpass filter, full-wave optim. *El Sabbagh, M.A.*, +, *MWSYM 02* 1805-1808 vol.3

Road vehicle radar

- automotive radar chip set, 38/76 GHz, low cost PHEMT technol. *Werthof, A.*, +, *MWSYM 02* 1855-1858 vol.3
- automotive radar, multibeam imaging antenna. *Schoenlinner, B.*, +, *MWSYM 02* 1373-1376 vol.2
- Gunn diode based surface mount 77-GHz VCO for automotive radar appls. *Priestley, N.*, +, *MWSYM 02* 1863-1866 vol.3

Road vehicles; cf. Automobiles**S****Safety systems**

- integrated automotive sens., radar and IR, IVHS. *Russell, M.E.*, +, *T-MTT Mar 02* 674-677

Sampling methods; cf. Signal sampling**Sapphire**

- anisotropic rect. dielec. waveguides, Marcanti's method modif. for calc. *Dudorov, S.N.*, +, *T-MTT Jun 02* 1640-1642
- DC, RF, and microwave noise performs. of AlGaIn/GaN HEMTs on sapphire substrs. *Lu, W.*, +, *T-MTT Nov 02* 2499-2504
- dielec. resonators, transm.-mode Q-factor meas. tech. *Leong, K.*, +, *T-MTT Sep 02* 2115-2127
- sapphire resonator design, high-Q, with DBR. *Piquet, O.*, +, *MWSYM 02* 1993-1996 vol.3
- SiGe HBT, sapphire resonator oscillator, phase noise. *Cibiel, G.*, +, *MWSYM 02* 691-694 vol.2
- spiral inductor, SOI technol. *Kelly, D.*, +, *MWSYM 02* 541-543 vol.1
- spiral inductors on insulating substrs., perform. improvements. *Kelly, D.*, +, *RFIC 02* 431-433

Satellite antennas

- multibeam commun. satellite, beamforming matrix module. *Kornrumpf, W.*, +, *MWSYM 02* 319-322 vol.1
- multilayer spatial ang. filter with air gap tuner for microstrip patch array grating lobes suppress. *Youngju Lee*, +, *MWSYM 02* 1329-1332 vol.2

Satellite communication

- act. phased array antenna. *Soon Ik Jeon*, +, *MWSYM 02* 1341-1343 vol.2
- dielec. materials and devices for microwave commun. systs. *Fiedziuszko, S.J.*, +, *T-MTT Mar 02* 706-720
- distortion control tech. for achieving high power efficiency in HPA array. *Kaho, T.*, +, *T-MTT Nov 02* 2505-2512
- Ka-band coupled-cavity TWT amps. for mil. radar and commercial satellite commun. *Legarra, J.R.*, +, *MWSYM 02* 625-628 vol.2
- Ka-band satellite-earth links in Pacific maritime climate, rain fading charact. *Amaya, C.*, +, *T-MTT Jan 02* 41-45
- microwave filter technol. develop., appls. perspective. *Hunter, I.C.*, +, *T-MTT Mar 02* 794-805
- microwave HTSC technol., appls. overview. *Mansour, R.R.*, *T-MTT Mar 02* 750-759
- multipactor-free waveguide components for commun. satellites, CAD. *Ludovico, M.*, +, *MWSYM 02* 2077-2080 vol.3
- repeater amp. charactn., large bandwidth NPR/modulated sig. meas. *Mallet, A.*, +, *MWSYM 02* 2245-2248 vol.3
- SiGe BiCMOS technol. for X-band/LMDS microwave appls. *Subbanna, S.*, +, *MWSYM 02* 401-404 vol.1
- transponder, Ku-band receiver/downconverter. *Jin-Cheol Jeong*, +, *MWSYM 02* 1257-1260 vol.2

Satellite communication; cf. Direct broadcasting by satellite; Mobile satellite communication; Satellite antennas; Satellite links**Satellite communication onboard systems**

- carrier power to intermodulation-distortion power-ratio-increasing technique in active phased-array antenna systems. *Kaho, T.*, +, *T-MTT Dec 02* 2987-2994

Satellite links

- microwave technol. in telecomm. syst., future directions. *Sobol, H.*, *T-MTT Mar 02* 1037-1038

Satellite navigation; cf. Global Positioning System**Scaling circuits; cf. Prescalers****Scanning antennas**

- MM-wave wide-scan spherical-lens antennas for automotive radars. *Schoenlinner, B.*, +, *T-MTT Sep 02* 2166-2175
- multibeam grating scanning antenna with appls. to low-cost MM-wave beam-steering. *Rodenbeck, C.T.*, +, *MWSYM 02* 57-60 vol.1
- multilayer spatial ang. filter with air gap tuner for microstrip patch array grating lobes suppress. *Youngju Lee*, +, *MWSYM 02* 1329-1332 vol.2

- reconfigurable leaky-wave/patch microstrip aperture for phased-array appl. *Sor, J.*, +, *T-MTT Aug 02* 1877-1884

Scanning probe microscopy

- contactless probing of HF elec. sigs. using SPM. *Merlin, W.*, *MWSYM 02* 1493-1496 vol.3

Scattering; cf. Electromagnetic wave scattering**Schottky barriers**

- heterodimensional contacts, barrier enhancement mechanisms, effect on current transport. *Anwar, A.*, +, *T-MTT Jan 02* 68-71

Schottky diode mixers

- GaAs quadruple subharmonic mixer MMIC, 94 GHz, design and fab. *Kanaya, K.*, +, *MWSYM 02* 1249-1252 vol.2
- harmonic mixers, THz freqs., IF power null effects. *Feinaugle, R.*, +, *T-MTT Jan 02* 134-142
- heterodyne reception microwave mixer develop., historical review. *Oxley, T.H.*, *T-MTT Mar 02* 867-876
- submillimeter-wave polarimetric compact ranges for scale-model radar meas. *Coulombe, M.*, +, *MWSYM 02* 1583-1586 vol.3

Schottky diodes

- 60-GHz uniplanar MMIC 4 x subharmonic mixer. *Chapman, M.W.*, +, *T-MTT Nov 02* 2580-2588
- dual-freq. printed dipole rectenna, wireless power transm. *Young-Ho Suh*, +, *T-MTT Jul 02* 1784-1789
- dual freq. rectenna for high efficiency wireless power transm. at 2.45 and 5.8 GHz. *Young-Ho Suh*, +, *MWSYM 02* 1297-1300 vol.2
- GaAs Schottky diode, spatial power dividing/combining freq. doubler. *Schumann, B.*, +, *MWSYM 02* 1539-1542 vol.3
- packaged, nonlin. lumped network-FDTD model. *El Mrabet, O.*, +, *T-MTT Oct 02* 2411-2412
- sampled-line reflectometer for sub-mm-wave meas. *Ulker, S.*, +, *MWSYM 02* 1677-1680 vol.3
- submillimeter-wave sideband generation using varactor Schottky diodes. *Kurtz, D.S.*, +, *T-MTT Nov 02* 2610-2617

Schottky diodes; cf. Schottky diode mixers**Schottky effect; cf. Schottky barriers****Schottky gate field effect transistors**

- AlGaIn/GaN wide-bandgap microwave HEMTs, trapping effects. *Binari, S.C.*, +, *MWSYM 02* 1823-1826 vol.3
- distributed equiv. cct. model. *Waliullah, M.*, +, *MWSYM 02* 2145-2148 vol.3
- drain current I-V model for microwave MESFET, effective gate-source voltage. *Ban-Leong Ooi*, +, *T-MTT Apr 02* 1188-1192
- dyn. behavior, bias/temp./freq. depend. *Parker, A.E.*, +, *MWSYM 02* 993-996 vol.2
- GaAs MESFETs, photonic capacitance model, on-wafer scatt. param. meas. *Navarro, C.*, +, *T-MTT Apr 02* 1193-1197
- GaN FET, large-sig. model, nonlin. anal., Volterra series. *Islam, S.S.*, +, *MWSYM 02* 267-270 vol.1
- large-sig. PHEMT/MESFET model incl. DC/RF dispersion. *Wei, C.J.*, +, *MWSYM 02* 2133-2136 vol.3
- MESFET, act. microwave device, global model. *Hussein, Y.A.*, +, *MWSYM 02* 743-746 vol.2
- noise models, noise fig. meas. *Rudolph, M.*, +, *T-MTT Feb 02* 461-464
- nonlin. anal. of GaN MESFETs with Volterra series using large-signal models including trapping effects. *Islam, S.S.*, +, *T-MTT Nov 02* 2474-2479
- Schottky Junction Transistor, micropower RFIC. *Spann, J.*, +, *MWSYM 02* 533-536 vol.1
- SiC wide-bandgap microwave MESFETs, trapping effects. *Binari, S.C.*, +, *MWSYM 02* 1823-1826 vol.3

Schottky gate field effect transistors; cf. Power MESFET**Security; cf. Safety systems****Security of data; cf. Cryptography****Semiconductor device breakdown**

- AlGaIn/GaN power HEMT using surface-charge-controlled struct., microwave appls. *Kikkawa, T.*, +, *MWSYM 02* 1815-1818 vol.3
- BiCMOS LDMOS short channel technol., RF power amp. *Litwin, A.*, +, *RFIC 02* 289-292
- CMOS RF mixer, soft breakdown/hot-carrier reliab., redesign. *Qiang Li*, +, *MWSYM 02* 509-512 vol.1
- GaAs MHEMT transimpedance amp. IC for 40-Gb/s appls., fiber optic commun. systs. *Campbell, C.F.*, +, *MWSYM 02* 79-82 vol.1
- GaInP/GaAs power HBTs, static/dyn. breakdown, meas./modeling. *Heckmann, S.*, +, *MWSYM 02* 1001-1004 vol.2
- InP/InGaAs/InP W-band DHBT MMIC power amps. *Yun Wei*, +, *MWSYM 02* 917-920 vol.2
- RF down-conversion mixer, soft breakdown and hot carrier reliab., redesign strategies. *Qiang Li*, +, *RFIC 02* 399-402
- short channel LDMOS technol., BiCMOS compatible for MV RF and power appls. *Litwin, A.*, +, *MWSYM 02* 35-38 vol.1
- SiGe HBT, RF power amp., max. operating region. *Inoue, A.*, +, *MWSYM 02* 1023-1026 vol.2
- SiGe HBTs with HV breakdown struct., RF power charact. *Matsuno, T.*, +, *MWSYM 02* 293-295 vol.1

- SiGe HBT with high breakdown voltage struct., RF power charact. *Matsumo, T.*, +, *RFIC 02 377-379*
- SiGe RF HBT, LF noise, fig.-of-merit. *Jin Tang*, +, *RFIC 02 333-336*
- SiGe RF HBT technol., LF noise figs.-of-merit. *Jin Tang*, +, *MWSYM 02 179-182 vol.1*
- SiN_x RF MEMS capacitive switches fabricated with HDICP CVD. *Chang, C.H.*, +, *MWSYM 02 231-234 vol.1*
- Si/SiGe/Si double mesa-type HBT, high-power high-gain X-band. *Zhenqiang Ma*, +, *T-MTT Apr 02 1101-1108*
- Semiconductor device measurement**
- AlGaAs/GaAs HBTs, microwave noise sources, scatt. params. *Sakalas, P.*, +, *MWSYM 02 2117-2120 vol.3*
- AlGaIn/GaN microwave power HEMTs on 4" Si wafers, charact. *Manohar, S.*, +, *MWSYM 02 449-452 vol.1*
- dyn. behavior, bias/temp./freq. depend. *Parker, A.E.*, +, *MWSYM 02 993-996 vol.2*
- enhancement-mode power pHEMT model. *Ce-Jun Wei*, +, *T-MTT Jan 02 57-61*
- GaAs-based HBTs, unified collector charge model. *Rudolph, M.*, +, *T-MTT Jul 02 1747-1751*
- GaAs MESFETs, photonic capacitance model, on-wafer scatt. param. meas. *Navarro, C.*, +, *T-MTT Apr 02 1193-1197*
- GaInP/GaAs HBT, on-wafer deembedding tech. *Bousnina, S.*, +, *T-MTT Feb 02 420-424*
- GaInP/GaAs power HBTs, static/dyn. breakdown, meas./modeling. *Heckmann, S.*, +, *MWSYM 02 1001-1004 vol.2*
- HBT, intermodulation asymmetry, time domain meas. syst. *Williams, D.J.*, +, *MWSYM 02 1841-1844 vol.3*
- InGaP/GaAs HBTs, jn. temp./thermal resist. estim. *Olavsbraten, M.*, *MWSYM 02 1005-1008 vol.2*
- LDMOS RF power transistor, nonlin. distortion, polynomial model. *Vuolevi, J.*, +, *MWSYM 02 2157-2160 vol.3*
- noise models, noise fig. meas. *Rudolph, M.*, +, *T-MTT Feb 02 461-464*
- nonlin. AC FET model, extraction using small-sig. S-params. *Vuolevi, J.H.K.*, +, *T-MTT May 02 1311-1315*
- nonlin. microwave device model param. estim. method based on vectorial large-sig. meas. *Schreurs, D.M.M.-P.*, +, *T-MTT Oct 02 2315-2319*
- nonlin. model, repeat meas. and metrics. *Remley, K.A.*, +, *MWSYM 02 2169-2172 vol.3*
- PHEMT IMD prediction using nonlin. discrete convolution model. *Costantini, A.*, +, *MWSYM 02 857-860 vol.2*
- PHEMT, MM-wave model, on-wafer meas. and EM simul. *Cidronali, A.*, +, *T-MTT Feb 02 425-432*
- power MESFETs, direct obs. of loadlines using av. RF gate and drain currents. *Meng, C.C.*, +, *MWSYM 02 2161-2164 vol.3*
- RF MEMS capacitive switches, steady state thermal anal. and high-power reliab. considerations. *Rizk, J.B.*, +, *MWSYM 02 239-243 vol.1*
- Schottky diode harmonic mixers, THz freqs., IF power null effects. *Feinaugle, R.*, +, *T-MTT Jan 02 134-142*
- SiGe HBTs with HV breakdown struct., RF power charact. *Matsumo, T.*, +, *MWSYM 02 293-295 vol.1*
- SiGe RF HBT technol., LF noise figs.-of-merit. *Jin Tang*, +, *MWSYM 02 179-182 vol.1*
- SiGe/Si power HBTs, X- to K-band appls. *Mohammadi, S.*, +, *MWSYM 02 289-292 vol.1*
- Semiconductor device models**
- AlGaAs/GaAs HBTs, microwave noise sources, scatt. params. *Sakalas, P.*, +, *MWSYM 02 2117-2120 vol.3*
- AlGaIn/GaN HEMTs, intrinsic noise charact. *Sungjae Lee*, +, *MWSYM 02 1415-1418 vol.3*
- Al_xGa_{1-x}N/GaN HEMTs for microwave/RF control appls. *Drozdzowski, N.V.*, +, *T-MTT Jan 02 4-8*
- drain current I-V model for microwave MESFET, effective gate-source voltage. *Ban-Leong Ooi*, +, *T-MTT Apr 02 1188-1192*
- enhancement-mode power pHEMT model. *Ce-Jun Wei*, +, *T-MTT Jan 02 57-61*
- FET device, nonlin. distortion, Smoothie data base model. *Cuoco, V.*, +, *MWSYM 02 2149-2152 vol.3*
- GaAs-based HBTs, unified collector charge model. *Rudolph, M.*, +, *T-MTT Jul 02 1747-1751*
- GaAs HBT, CAD, large-sig. model. *Angelov, I.*, +, *MWSYM 02 2137-2140 vol.3*
- GaAs MESFETs, photonic capacitance model, on-wafer scatt. param. meas. *Navarro, C.*, +, *T-MTT Apr 02 1193-1197*
- GaInP/GaAs HBT, intrinsic base resist., param. extraction algm. *Lenk, F.*, +, *MWSYM 02 725-728 vol.2*
- GaInP/GaAs HBT, on-wafer deembedding tech. *Bousnina, S.*, +, *T-MTT Feb 02 420-424*
- GaInP/GaAs microwave HBT small-sig. model, direct param.-extraction method. *Bousnina, S.*, +, *T-MTT Feb 02 529-536*
- GaInP/GaAs power HBTs, static/dyn. breakdown, meas./modeling. *Heckmann, S.*, +, *MWSYM 02 1001-1004 vol.2*
- GaN FET, large-sig. model, nonlin. anal., Volterra series. *Islam, S.S.*, +, *MWSYM 02 267-270 vol.1*
- GaN MESFET nonlinearities, large-sig. model, Volterra series. *Islam, S.S.*, +, *RFIC 02 351-354*
- HBT lin. model params., direct extraction method. *Ouslimani, A.*, +, *T-MTT Jan 02 218-221*
- HBT, small-sig. T and model extraction. *Tasker, P.J.*, +, *MWSYM 02 2129-2132 vol.3*
- HBT, -topol. equiv. ccts., transit-time effects. *Rudolph, M.*, +, *MWSYM 02 997-1000 vol.2*
- InGaP/GaAs HBT, large-sig. modeling, high-current effects charactn. *Shirokov, M.S.*, +, *T-MTT Apr 02 1084-1094*
- InGaP/GaAs HBTs, jn. temp./thermal resist. estim. *Olavsbraten, M.*, *MWSYM 02 1005-1008 vol.2*
- InGaP/GaAs power HBT, electro-thermal large-sig. model, param. extraction. *Hyun-Min Park*, +, *MWSYM 02 1009-1012 vol.2*
- InP DHBT, noise and Z-param. transforms. *Yong Zhong Xiong*, +, *T-MTT Apr 02 1109-1113*
- InP-HBT small-sig. equiv. ccts., improved automatic param. extraction. *Willen, B.*, +, *T-MTT Feb 02 580-583*
- InP/InGaAs SHBT, self-heating and impact ionization, large-sig. model. *Taeho Kim*, +, *MWSYM 02 2141-2144 vol.3*
- InP-InGaAs single HBT, scalable noise model, broad-band amp. ccts. *Huber, A.*, +, *T-MTT Jul 02 1675-1682*
- large-sig. PHEMT/MESFET model incl. DC/RF dispersion. *Wei, C.J.*, +, *MWSYM 02 2133-2136 vol.3*
- LDMOSFETs, RF electro-thermal modeling, power-amp. design appl. *Akhtar, S.*, +, *T-MTT Jun 02 1561-1570*
- LDMOS RF power transistor, nonlin. distortion, polynomial model. *Vuolevi, J.*, +, *MWSYM 02 2157-2160 vol.3*
- MESFET, act. microwave device, global model. *Hussein, Y.A.*, +, *MWSYM 02 743-746 vol.2*
- MESFET, distributed equiv. cct. model. *Waliullah, M.*, +, *MWSYM 02 2145-2148 vol.3*
- MIS interconnect, wave propag., device-level simul. *Gaofeng Wang*, +, *T-MTT Apr 02 1127-1136*
- MOSFET model for RFIC design valid in all regions of operation. *Enz, C.*, *T-MTT Jan 02 342-359*
- MOSFET, nonlin. model based on DC/small-sig. S param. meas. *Romdane, H.*, +, *RFIC 02 487-489*
- MOSFET, small-sig. and temp. noise model. *Pascht, A.*, +, *T-MTT Aug 02 1927-1934*
- multi-fingered PHEMTs, electrothermal modeling. *Byk, E.*, +, *MWSYM 02 2085-2088 vol.3*
- noise models, noise fig. meas. *Rudolph, M.*, +, *T-MTT Feb 02 461-464*
- nonlin. AC FET model, extraction using small-sig. S-params. *Vuolevi, J.H.K.*, +, *T-MTT May 02 1311-1315*
- nonlin. microwave device model param. estim. method based on vectorial large-sig. meas. *Schreurs, D.M.M.-P.*, +, *T-MTT Oct 02 2315-2319*
- nonlin. model. *Romdane, H.*, +, *MWSYM 02 597-599 vol.1*
- nonlin. model, repeat meas. and metrics. *Remley, K.A.*, +, *MWSYM 02 2169-2172 vol.3*
- PHEMT IMD prediction using nonlin. discrete convolution model. *Costantini, A.*, +, *MWSYM 02 857-860 vol.2*
- PHEMT, MM-wave model, on-wafer meas. and EM simul. *Cidronali, A.*, +, *T-MTT Feb 02 425-432*
- PHEMT, neural model, training data. *Joodaki, M.*, +, *MWSYM 02 1105-1108 vol.2*
- PHEMT, quasi-enhancement-mode, large-sig. model. *Shih-Cheng Yang*, +, *MWSYM 02 2153-2156 vol.3*
- power HBTs, nonlin. behavior, Volterra-series anal. model, mobile comms appls. *Woonyun Kim*, +, *T-MTT Jul 02 1714-1722*
- RF CMOS, S-param. kink phenom., small-sig. substr. resist. effect. *Yo-Sheng Lin*, +, *MWSYM 02 161-164 vol.1*
- RF-MEMS reconfigurable tuners, modeling/optim. using FDTD techs. *Bushyager, N.*, +, *MWSYM 02 883-886 vol.2*
- RF power LDMOS devices, electrothermal BSIM3 model. *Tomblad, O.*, +, *MWSYM 02 861-864 vol.2*
- Schottky diodes, packaged, nonlin. lumped network-FDTD model. *El Mrabet, O.*, +, *T-MTT Oct 02 2411-2412*
- SiGe HBT, IMD, VBIC model. *Ramana Murty, M.*, +, *MWSYM 02 2165-2168 vol.3*
- SiGe HBT, LF noise charactn. & modeling, low phase noise oscillator. *Bary, L.*, +, *RFIC 02 359-362*
- SiGe HBT, sapphire resonator oscillator, phase noise. *Cibiel, G.*, +, *MWSYM 02 691-694 vol.2*
- SiGe microwave HBT, low phase noise DRO. *Bary, L.*, +, *MWSYM 02 275-278 vol.1*
- SiGe RF HBT, LF noise, fig.-of-merit. *Jin Tang*, +, *RFIC 02 333-336*
- SiGe RF HBT technol., LF noise figs.-of-merit. *Jin Tang*, +, *MWSYM 02 179-182 vol.1*
- Si/SiGe/Si double mesa-type HBT, high-power high-gain X-band. *Zhenqiang Ma*, +, *T-MTT Apr 02 1101-1108*
- small-sig. equiv. cct. model for RF-MOSFETs valid up to cut-off freq. *Kawano, H.*, +, *MWSYM 02 2121-2124 vol.3*

- small-sig. microwave MOSFET model, param.-extraction method. *Ickjin Kwon*, +, *T-MTT Jun 02* 1503-1509
- small-sig. model, param. extraction. *Fager, C.*, +, *MWSYM 02* 729-732 vol.2
- universal parameterized nonlin. device model formulation for microwave cct. simul. *Christoffersen, C.E.*, +, *MWSYM 02* 2189-2192 vol.3
- Semiconductor device noise**
- AlGaAs/GaAs HBTs, microwave noise sources, scatt. params. *Sakalas, P.*, +, *MWSYM 02* 2117-2120 vol.3
- AlGaN/GaN HEMTs, intrinsic noise charact. *Sungjae Lee*, +, *MWSYM 02* 1415-1418 vol.3
- AlGaN/GaN power HEMTs, RF perform./thermal anal., self-heating effects. *Nuttinck, S.*, +, *MWSYM 02* 921-924 vol.2
- InP DHBT, noise and Z-param. transforms. *Yong Zhong Xiong*, +, *T-MTT Apr 02* 1109-1113
- InP-InGaAs single HBT, scalable noise model, broad-band amp. ccts. *Huber, A.*, +, *T-MTT Jul 02* 1675-1682
- MOSFET model for RFIC design valid in all regions of operation. *Enz, C.*, *T-MTT Jan 02* 342-359
- MOSFET, small-sig. and temp. noise model. *Pascht, A.*, +, *T-MTT Aug 02* 1927-1934
- NMOS and PMOS transistors, 1/f noise and VCO design implications. *O, K.K.*, +, *RFIC 02* 59-62
- noise models, noise fig. meas. *Rudolph, M.*, +, *T-MTT Feb 02* 461-464
- SiGe HBT, LF noise charactn. & modeling, low phase noise oscillator. *Bary, L.*, +, *RFIC 02* 359-362
- SiGe HBT, sapphire resonator oscillator, phase noise. *Cibiel, G.*, +, *MWSYM 02* 691-694 vol.2
- SiGe HBTs, reduced press. CVD, RF perform. tradeoffs. *Bongki Mheen*, +, *MWSYM 02* 413-416 vol.1
- SiGe microwave HBT, low phase noise DRO. *Bary, L.*, +, *MWSYM 02* 275-278 vol.1
- SiGe RF HBT, LF noise, fig.-of-merit. *Jin Tang*, +, *RFIC 02* 333-336
- SiGe RF HBT technol., LF noise figs.-of-merit. *Jin Tang*, +, *MWSYM 02* 179-182 vol.1
- poly-SiGe:B resistors, LF noise rel. to B doping/Ge content. *Kun-Ming Chen*, +, *MWSYM 02* 405-408 vol.1
- Semiconductor device packaging**
- RF MEMS & Si micromachined ccts., state-of-the-art. *Katehi, L.P.B.*, +, *T-MTT Mar 02* 858-866
- Schottky diodes, packaged, nonlin. lumped network-FDTD model. *El Mrabet, O.*, +, *T-MTT Oct 02* 2411-2412
- Si integrated IMPATT diode. *Luschas, M.*, +, *MWSYM 02* 1269-1272 vol.2
- Semiconductor device reliability**
- CMOS RF mixer, soft breakdown/hot-carrier reliab., redesign. *Qiang Li*, +, *MWSYM 02* 509-512 vol.1
- GaAs C-band HFET, 27 W, high efficiency and reliab. for space appls. *Minamide, H.*, +, *MWSYM 02* 621-623 vol.2
- RF MEMS, at. layer deposition technol., long-term reliab. failures. *Hoivik, N.*, +, *MWSYM 02* 1229-1232 vol.2
- RF MEMS capacitive switches, steady state thermal anal. and high-power reliab. considerations. *Rizk, J.B.*, +, *MWSYM 02* 239-243 vol.1
- SIN_x RF MEMS capacitive switches fabricated with HDICP CVD. *Chang, C.H.*, +, *MWSYM 02* 231-234 vol.1
- Semiconductor devices; cf.** Negative resistance devices; Power semiconductor devices; Semiconductor lasers; Semiconductor switches
- Semiconductor device testing**
- microwave nonlin. systs. and devices, IMD response asymmetries. *Borges de Carvalho, N.*, +, *T-MTT Sep 02* 2090-2101
- Semiconductor diodes; cf.** Microwave diodes; Millimeter wave diodes; Photodiodes; p-i-n diodes; Schottky diodes; Tunnel diodes; UHF diodes; Varactors
- Semiconductor epitaxial layers**
- poly-SiGe:B resistors, LF noise rel. to B doping/Ge content. *Kun-Ming Chen*, +, *MWSYM 02* 405-408 vol.1
- Semiconductor growth**
- microwave solid-state act. devices. *Haddad, G.I.*, +, *T-MTT Mar 02* 760-779
- Semiconductor-insulator boundaries; cf.** Silicon-on-insulator
- Semiconductor-insulator-semiconductor devices; cf.** p-i-n diodes
- Semiconductor lasers**
- microwave photonics, hist., current status & future prospects. *Seeds, A.J.*, *T-MTT Mar 02* 877-887
- predistortion cct. design for 2nd- and 3rd-order lin. in laser-based radio-over-fiber systs. *Roselli, L.*, +, *MWSYM 02* 1711-1714 vol.3
- Semiconductor lasers; cf.** Semiconductor optical amplifiers
- Semiconductor materials**
- BiCMOS ICs, high perform. in 0.18 μ m proc. for wireless appls. *Peihua Ye*, +, *MWSYM 02* 175-178 vol.1
- SiGe 20-GHz VCO and freq. divider, varactor-tuned LC-type oscillator, radar transmitter. *Ettinger, K.*, +, *MWSYM 02* 835-838 vol.2
- SiGe 2.4-GHz HBT power amp. with high-Q LTCC harmonic suppression filter. *Raghavan, A.*, +, *MWSYM 02* 1019-1022 vol.2
- SiGe BiCMOS direct-conversion W-CDMA front-end receiver chip. *Lie, D.Y.C.*, +, *RFIC 02* 31-34
- SiGe BiCMOS MM-wave IC, monolithic inductor. *Dubuc, D.*, +, *MWSYM 02* 193-196 vol.1
- SiGe BiCMOS octave tunable RC-ring oscillator for fiber optic transceivers. *Sanduleanu, M.A.T.*, +, *RFIC 02* 435-438
- SiGe BiCMOS proc. technol. and impact on RFIC design. *Das, A.*, +, *MWSYM 02* 171-174 vol.1
- SiGe BiCMOS proc. technol., RFIC design, LNA design. *Das, A.*, +, *RFIC 02* 325-328
- SiGe BiCMOS quadrature LC VCO, 1.8 V 6/9 GHz switchable dual-band design. *Hyunchol Shin*, +, *RFIC 02* 71-74
- SiGe BiCMOS RC-ring oscillator, fiber optic transceiver. *Sanduleanu, M.A.T.*, +, *MWSYM 02* 545-548 vol.1
- SiGe BiCMOS technol. for X-band/LMDS microwave appls. *Subbanna, S.*, +, *MWSYM 02* 401-404 vol.1
- SiGe BiCMOS technol., UMTS zero-IF receiver. *Schelmbauer, W.*, +, *RFIC 02* 267-270
- SiGe BiCMOS transmitter IC, CDMA wireless handset. *Reddy, M.*, +, *RFIC 02* 35-38
- SiGe BiCMOS TX-IC, W-CDMA mobile terminal. *Joba, H.*, +, *RFIC 02* 27-30
- SiGe bipolar monolithic integrated mixer, 40 GHz, design. *Hackl, S.*, +, *MWSYM 02* 1241-1244 vol.2
- SiGe bipolar PLL freq. synthesizer, VCO and divide-by-16 static freq. divider. *Ritzberger, G.*, +, *MWSYM 02* 831-834 vol.2
- SiGe bipolar technol. dual-modulus prescaler, static divider stages, differential CML. *Knapp, H.*, +, *RFIC 02* 239-242
- SiGe bipolar transimpedance amp. array for 12 parallel 10 Gb/s opt. fiber links. *Schild, A.*, +, *RFIC 02* 89-92
- SiGe COM2 enhanced graded base BiCMOS technol., high speed appls. *Ivanov, T.*, +, *RFIC 02* 337-340
- SiGe COM2 enhanced graded base modular BiCMOS technol. for high speed appls. *Ivanov, T.*, +, *MWSYM 02* 183-186 vol.1
- SiGe HBT cascode LNAs, 2-GHz, geom./bias current optim. *Qingqing Liang*, +, *MWSYM 02* 517-520 vol.1
- SiGe HBT cascode LNAs, geom. and bias current optim. *Qingqing Liang*, +, *RFIC 02* 407-410
- SiGe HBT dual-VCO, cable modem receiver. *Stadius, K.*, +, *RFIC 02* 471-474
- SiGe HBT fully-integrated coupled VCOs, phase noise. *Jacobsson, H.*, +, *MWSYM 02* 577-580 vol.1
- SiGe HBT fully-integrated coupled VCOs, phase noise. *Jacobsson, H.*, +, *RFIC 02* 467-470
- SiGe HBT, IMD, VBIC model. *Ramana Murty, M.*, +, *MWSYM 02* 2165-2168 vol.3
- SiGe HBT LNA, IMT-2000 mobile commun. *Jeiyoun Lee*, +, *MWSYM 02* 1261-1264 vol.2
- SiGe HBT, RF power amp., max. operating region. *Inoue, A.*, +, *MWSYM 02* 1023-1026 vol.2
- SiGe HBT, sapphire resonator oscillator, phase noise. *Cibiel, G.*, +, *MWSYM 02* 691-694 vol.2
- SiGe HBTs, reduced press. CVD, RF perform. tradeoffs. *Bongki Mheen*, +, *MWSYM 02* 413-416 vol.1
- SiGe HBTs with HV breakdown struct., RF power charact. *Matsuno, T.*, +, *MWSYM 02* 293-295 vol.1
- SiGe HBT wide-tuning-range dual-VCOs for cable modem receivers. *Stadius, K.*, +, *MWSYM 02* 581-584 vol.1
- SiGe microwave HBT, low phase noise DRO. *Bary, L.*, +, *MWSYM 02* 275-278 vol.1
- SiGe MMIC, flip-chipped on LTCC MCM, multi-path couplings suppress. *Nishino, T.*, +, *MWSYM 02* 1385-1388 vol.3
- SiGe quadrature VCO, GSM/DCS-PCS appls. *Cordeau, D.*, +, *MWSYM 02* 565-568 vol.1
- SiGe RF HBT, LF noise, fig.-of-merit. *Jin Tang*, +, *RFIC 02* 333-336
- SiGe RF HBT technol., LF noise figs.-of-merit. *Jin Tang*, +, *MWSYM 02* 179-182 vol.1
- SiGe/Si power HBTs, X- to K-band appls. *Mohammadi, S.*, +, *MWSYM 02* 289-292 vol.1
- SiGe sub-harmonic direct-conversion receiver front-end design for 5-6 GHz band appls. *SVitek, R.*, +, *RFIC 02* 395-398
- Si/SiGe HBT receiver front-end, ISM-band, relax. emitter scaling, consumer-oriented systs., Ka band. *Sonmez, E.*, +, *RFIC 02* 159-162
- poly-SiGe:B resistors, LF noise rel. to B doping/Ge content. *Kun-Ming Chen*, +, *MWSYM 02* 405-408 vol.1
- Semiconductor materials; cf.** Elemental semiconductors; Heavily doped semiconductors; III-V semiconductors; Porous semiconductors; Wide band gap semiconductors
- Semiconductor optical amplifiers**
- carrier regeneration and reuse with gain compress. and feedforward SOAs. *Conforti, E.*, +, *T-MTT Jan 02* 77-81

Semiconductor plasma

slot line on semicond. plasma substr., opt. control of MM-waves. *Dana, S.K.*, +, *T-MTT Jan 02* 207-210

Semiconductors; cf. Heavily doped semiconductors; Porous semiconductors; Wide band gap semiconductors**Semiconductor switches**

RF MEMS capacitive switches, steady state thermal anal. and high-power reliab. considerations. *Rizk, J.B.*, +, *MWSYM 02* 239-243 vol.1

RF MEMS & Si micromachined ccts., state-of-the-art. *Katehi, L.P.B.*, +, *T-MTT Mar 02* 858-866

RF-MEM-switches, thermal effects anal., FDTD method. *Thiel, W.*, +, *MWSYM 02* 235-238 vol.1

SiN_x RF MEMS capacitive switches fabricated with HDICP CVD. *Chang, C.H.*, +, *MWSYM 02* 231-234 vol.1

Semiconductor switches; cf. Field effect transistor switches; Photoconducting switches; Power semiconductor switches**Semiconductor technology; cf.** Isolation technology; Semiconductor device breakdown; Semiconductor device measurement; Semiconductor device packaging; Semiconductor growth**Semiconductor thin films; cf.** Semiconductor epitaxial layers**Sensitivity**

feasible adjoint sensitivity technique for EM design optimization. *Georgieva, N.K.*, +, *T-MTT Dec 02* 2751-2758

optimal parameter extraction and uncertainty estimation in intrinsic FET small-signal models. *Fager, C.*, +, *T-MTT Dec 02* 2797-2803

Sensitivity analysis

2D image reconstruction algm. based on FDTD/design sensitivity anal. *No-Weon Kang*, +, *MWSYM 02* 1143-1146 vol.2

nonlin. oscillator, phase-noise anal., time-domain/freq.-domain approaches. *Suarez, A.*, +, *T-MTT Oct 02* 2353-2361

vector NWA, fixed probe spacing on-wafer calib. *Safwat, A.M.E.*, +, *MWSYM 02* 2257-2260 vol.3

Sensors

compact single-chip W-band FMCW radar modules for commercial high-resolution sensor applications. *Tessmann, A.*, +, *T-MTT Dec 02* 2995-3001

integrated microwave sensors for cavity-length measurement in machine engineering. *Megej, A.*, +, *T-MTT Dec 02* 3070-3076

Sensors; cf. Chemical sensors; Electric sensing devices; Intelligent sensors; Microwave detectors; Millimeter wave detectors; Photodetectors; Surface acoustic wave sensors**Series (mathematics)**

3D structs., wideband EM response, Laguerre series expansion. *Sarkar, T.K.*, +, *MWSYM 02* 1989-1992 vol.3

M-ary PSK sig. power spectrum at nonlin. power amp. output. *Launay, F.*, +, *MWSYM 02* 2197-2200 vol.3

microstrip substr., 2D Green's fns., Berenger/leaky modes series. *Rogier, H.*, +, *T-MTT Jul 02* 1696-1704

Series (mathematics); cf. Volterra series**Shielding; cf.** Electromagnetic shielding**Shot noise**

AlGaAs/GaAs HBTs, microwave noise sources, scatt. params. *Sakalas, P.*, +, *MWSYM 02* 2117-2120 vol.3

SiGe HBT, LF noise charactn. & modeling, low phase noise oscillator. *Bary, L.*, +, *RFIC 02* 359-362

Sigma-delta modulation

3G mobiles, reconfigurable highly-integrated receiver archit. *Minnis, B.*, +, *RFIC 02* 187-190

Signal detection

efficient analysis of microwave passive structures using 3-D envelope-finite element (EVFE). *Tsai, H.-P.*, +, *T-MTT Dec 02* 2721-2727

Signal detection; cf. Heterodyne detection; Radar detection**Signal flow graphs**

ferrite coupled line circulator, bandwidth and losses. *Cham Kiong Queck*, +, *MWSYM 02* 1475-1478 vol.3

Signal generators; cf. Frequency synthesizers**Signal processing**

digital microwave receiver technol. *Tsui, J.B.Y.*, +, *T-MTT Mar 02* 699-705

Doppler speed sens. syst. using sig. proc. approach. *Weber, N.*, +, *MWSYM 02* 2233-2235 vol.3

HF/VHF/UHF systs. and technol., appls. *Raab, F.H.*, +, *T-MTT Mar 02* 888-899

multicarrier transm. systs., IMD charactn. *Naishadham, K.*, *MWSYM 02* 2193-2196 vol.3

ultra-fast broadband time domain EMI meas. syst. using spectral estim. *Krug, F.*, +, *MWSYM 02* 2237-2240 vol.3

Signal processing; cf. Adaptive signal processing; Array signal processing; Convolution; Digital signal processing chips; Radar signal processing; Signal resolution; Signal restoration; Signal sampling**Signal processing equipment**

Si high resist. substr. sampling cct., nonlin. transm. lines. *Abele, P.*, +, *MWSYM 02* 1681-1684 vol.3

Signal reconstruction; cf. Image reconstruction**Signal resolution**

multiconductor transm. lines, full-wave anal./modeling via 2D FDTD/sig.-proc. techs. *Feng Liu*, +, *T-MTT Feb 02* 570-577

Signal resolution; cf. Image resolution**Signal restoration**

Kahn EER tech., out-of-band emissions of digital transms. *Rudolph, D.*, *T-MTT Aug 02* 1979-1983

Signals

time-domain reflectometry using arbitrary incident waveforms. *Te-Wen Pan*, +, *T-MTT Nov 02* 2558-2563

Signals; cf. Digital signals**Signal sampling**

GaAs p-HEMT MMIC 8 GHz transient sig. digitizer, charactn. *Ghis, A.*, +, *MWSYM 02* 1673-1676 vol.3

high-bandwidth sampling oscilloscope calib., NPL optoelectronic syst. *Smith, A.J.A.*, +, *MWSYM 02* 1501-1504 vol.3

sampled-line reflectometer for sub-mm-wave meas. *Ulker, S.*, +, *MWSYM 02* 1677-1680 vol.3

Si high resist. substr. sampling cct., nonlin. transm. lines. *Abele, P.*, +, *MWSYM 02* 1681-1684 vol.3

smart antennas, digital beamforming/calib. using real-time FPGA proc. *Nuteson, T.W.*, +, *MWSYM 02* 307-310 vol.1

Signal sources

W-band MMIC-based sig. source, act. x6 freq. multiplier, 75-110 GHz. *Morgan, M.*, +, *MWSYM 02* 1859-1862 vol.3

Silicon

1.8-GHz high-efficiency 34-dBm silicon bipolar power amplifier. *Carrara, F.*, +, *T-MTT Dec 02* 2963-2970

bipolar power amp. for 1.8 GHz appls., high perform. *Carrara, F.*, +, *MWSYM 02* 1015-1018 vol.2

Cu capacitive RF MEMS switches, low actuation volt., low cost fab. proc. *Balaraman, D.*, +, *MWSYM 02* 1225-1228 vol.2

Cu high-Q inductors on std. Si substr. with low-k BCB dielec. layer. *Xiao Huo*, +, *RFIC 02* 403-406

CW-mode opt. controlled microwave switch with carrier-confine. struct. *Sangil Lee*, +, *MWSYM 02* 1289-1292 vol.2

differentially driven symmetric microstrip inductors, config. and Si RFIC appl. *Danesh, M.*, +, *T-MTT Jan 02* 332-341

distributed act. transformer, power-combining and imped. transform. tech., CMOS power amp. appl. *Aoki, I.*, +, *T-MTT Jan 02* 316-331

distributed CPW MEMS phase shifters on Si using tapered impedance unit cells. *Lakshminarayanan, B.*, +, *MWSYM 02* 1237-1240 vol.2

high-Q factor spiral inductor topol. based on 3D MMIC technol. *Piernas, B.*, +, *T-MTT Aug 02* 1942-1949

polysilicon differential multi-finger MEMS tunable capacitors for RFIC. *Ionis, G.V.*, +, *MWSYM 02* 345-348 vol.1

Si 3D-MMIC, polyimide layer, microstrip line coupling. *Ponchak, G.E.*, +, *MWSYM 02* 2221-2224 vol.3

Si BiCMOS receivers for normal and micro GSM900 and DCS 1800 base stations. *Gould, P.*, +, *T-MTT Jan 02* 369-376

SiGe/Si power HBTs for X- to K-band appls., high perform. *Mohammadi, S.*, +, *RFIC 02* 373-376

SiGe/Si power HBTs, X- to K-band appls. *Mohammadi, S.*, +, *MWSYM 02* 289-292 vol.1

Si high resist. substr. sampling cct., nonlin. transm. lines. *Abele, P.*, +, *MWSYM 02* 1681-1684 vol.3

Si, high-resist. substr., slow-wave CPW cct. *Naylor, J.*, +, *MWSYM 02* 669-672 vol.2

Si integrated IMPATT diode. *Luscas, M.*, +, *MWSYM 02* 1269-1272 vol.2

Si LDMOS HV RFIC amp. design, robust model extraction. *Pla, J.A.*, +, *RFIC 02* 347-350

silicon-based RF and microwave integrated circuits (special issue). *T-MTT Jan 02* 233-410

silicon-based RF and microwave integrated circuits (special issue intro.). *Hajimiri, A.*, +, *T-MTT Jan 02* 233-234

Si micromachined high-Q resonator at 5.7 GHz, design and fab. *Tavernier, C.A.*, +, *T-MTT Oct 02* 2305-2314

Si micromachined RF MEMS resonators, fab. and perform. *Strohm, K.M.*, +, *MWSYM 02* 1209-1212 vol.2

SiO₂/Si₃N₄ integrated-optics waveguides on Si substrs., design and fab. *Bulla, D.A.P.*, +, *T-MTT Jan 02* 9-12

Si planar waveguide filter at 45 GHz based on periodic struct., design and fab. *Lenoir, B.*, +, *MWSYM 02* 1923-1926 vol.3

Si, porous CPW interconnects, porosity effects. *Itotia, I.K.*, +, *MWSYM 02* 681-684 vol.2

Si RFIC, multi-layer transformer balun. *Yang, H.Y.D.*, +, *MWSYM 02* 601-604 vol.1

Si RF integrat., develop. of technols. and design techs. *Sevenhans, J.*, +, *T-MTT Jan 02* 235-244

Si/SiGe/Si double mesa-type HBT, high-power high-gain X-band. *Zhenqiang Ma*, +, *T-MTT Apr 02* 1101-1108

- Si smart substr., RF pass. integrat. *Dong-Wook Kim, +, MWSYM 02 1561-1564 vol.3*
- Si two-port & three-port inductors, freq. depend. losses modeling. *Kamgaing, T., +, RFIC 02 307-310*
- Si VCO and push-push oscillator, phase noise. *Dussopst, L., +, MWSYM 02 695-698 vol.2*
- Si wafer, substr. loss, microstrip and CPW transm. lines. *Lederer, D., +, MWSYM 02 685-688 vol.2*
- slot line on semicond. plasma substr., opt. control of MM-waves. *Dana, S.K., +, T-MTT Jan 02 207-210*
- spiral inductors for submicron CMOS RFICs, effects of dummy patterns and substr. *Jae-Hong Chang, +, RFIC 02 419-422*
- symm. octagonal inductor, substr. parasitics calc. *Tatinian, W., +, MWSYM 02 165-169 vol.1*

Silicon alloys; cf. Ge-Si alloys

Silicon compounds

- GaN HEMT MMIC power amp. design appls. *Pribble, W.L., +, MWSYM 02 1819-1822 vol.3*
- SiC wide-bandgap microwave MESFETs, trapping effects. *Binari, S.C., +, MWSYM 02 1823-1826 vol.3*
- SiN_x RF MEMS capacitive switches fabricated with HDICP CVD. *Chang, C.H., +, MWSYM 02 231-234 vol.1*
- SiO₂/Si₃N₄ integrated-optics waveguides on Si substr., design and fab. *Bulla, D.A.P., +, T-MTT Jan 02 9-12*

Silicon compounds; cf. Quartz

Silicon-on-insulator

- CMOS 2.4-GHz/5-GHz LNA, high-resist. ELTRAN SOI-Epi wafers. *Kodate, J., +, MWSYM 02 1419-1422 vol.3*
- CMOS MMICs for C-band WLAN appls. *Pinel, S., +, MWSYM 02 1053-1056 vol.2*
- CMOS tuned LNA, 23.8 GHz, three-stage design. *Floyd, B.A., +, T-MTT Sep 02 2193-2196*
- CMOS UTSI SOI proc. high speed digital PLL, low power design. *Wu, G.C., +, RFIC 02 165-168*
- differentially-tuned VCO in SOI CMOS, 1 V, 3.8-5.7 GHz, design. *Fong, N., +, RFIC 02 75-78*
- Schottky jn. transistors for micropower RFICs. *Spann, J., +, RFIC 02 423-426*
- spiral inductor, SOI technol. *Kelly, D., +, MWSYM 02 541-543 vol.1*
- spiral inductors on insulating substr., perform. improvements. *Kelly, D., +, RFIC 02 431-433*

Silver

- multipactor-free waveguide components for commun. satellites, CAD. *Ludovico, M., +, MWSYM 02 2077-2080 vol.3*

Simulation

- EM-based optimization exploiting partial space mapping and exact sensitivities. *Bandler, J.W., +, T-MTT Dec 02 2741-2750*
- global coupled EM-electrical-thermal simulation and experimental validation for spatial power combining MMIC array. *Batty, W., +, T-MTT Dec 02 2820-2833*
- Ka-band coupled-cavity TWT amps. for mil. radar and commercial satellite commun. *Legarra, J.R., +, MWSYM 02 625-628 vol.2*
- neural-based dynamic modeling of nonlinear microwave circuits. *Xu, J., +, T-MTT Dec 02 2769-2780*

Simulation; cf. Circuit simulation; Digital simulation; Flow simulation

Singular value decomposition

- lossy inhomog. anisotropic waveguides, fast reduced-order model for full-wave FEM anal. *Bertazzi, F., +, T-MTT Sep 02 2108-2114*
- lossy transm. lines, steady-state skin-effect anal., FEM-based reduced-order model. *Bertazzi, F., +, MWSYM 02 2025-2028 vol.3*
- multistrip transm. lines, EM eigenvalue problems. *Mrozowski, M., +, T-MTT Oct 02 2409-2411*

Skin

- tissue, W-band dielec. props./SAR distrib./thermal response. *Gustrau, F., +, T-MTT Oct 02 2393-2400*

Skin effect

- CMOS microstrip transm. line struct., eddy current suppression. *Peter, M., +, MWSYM 02 2001-2004 vol.3*
- lossy transm. lines, steady-state skin-effect anal., FEM-based reduced-order model. *Bertazzi, F., +, MWSYM 02 2025-2028 vol.3*
- multilayer metal/dielec. structs., reson. tunneling of microwave energy. *Eriksson, A., +, MWSYM 02 2009-2012 vol.3*
- planar transm. line, metallic loss, FDFD anal. *Kunze, M., +, T-MTT May 02 1275-1279*
- Si two-port & three-port inductors, freq. depend. losses modeling. *Kamgaing, T., +, RFIC 02 307-310*
- spiral inductor modeling with eddy-current effect, series resist. predict. *Ban-Leong Ooi, +, T-MTT Sep 02 2202-2206*
- spiral inductors on insulating substr., perform. improvements. *Kelly, D., +, RFIC 02 431-433*
- two-port/three-port symmetric inductors on Si, freq. depend. losses modeling. *Kamgaing, T., +, MWSYM 02 153-156 vol.1*

Slot antenna arrays

- concrete struct., damage detect., microwave refl. tomography array. *Yoo Jin Kim, +, MWSYM 02 651-654 vol.2*
- meanderless slot arrays on elec. thick substrs. at MM-wave freqs. *Meide Qiu, +, T-MTT Feb 02 517-528*

Slot antennas

- automotive radar, multibeam imaging antenna. *Schoenlinner, B., +, MWSYM 02 1373-1376 vol.2*
- broadband antenna integrated with RF MEMS switches for wireless commun. *Cetiner, B.A., +, MWSYM 02 1333-1336 vol.2*
- CPW embedding ccts. for THz hot-electron-bolometer mixers. *Focardi, P., +, T-MTT Oct 02 2374-2383*
- transverse slot in NRD-guide operating in LSE₀₀ mode, radiation and leakage characts. *Xiang-Yin Zeng, +, T-MTT Jun 02 1636-1639*

Slot antennas; cf. Slot antenna arrays

Slot line components

- conductor-backed slotline, leaky mode, uniplanar leaky wave antenna. *Zehentner, J., +, MWSYM 02 961-964 vol.2*
- strip iris harmonic rejection filters. *Kirilenko, A., +, MWSYM 02 373-376 vol.1*
- super-compact super-broadband tapered uniplanar PBG struct. for microwave/mm-wave appls. *Caloz, C., +, MWSYM 02 1919-1922 vol.3*

Slot lines

- conductor-backed slotline, leaky mode, uniplanar leaky wave antenna. *Zehentner, J., +, MWSYM 02 961-964 vol.2*
- ferriite-loaded microstrip lines/slot lines, leaky forward vol. MSW propag. *Marques, R., +, T-MTT Aug 02 1935-1941*
- opt. control of MM-waves in slot line on semicond. plasma substr. *Dana, S.K., +, T-MTT Jan 02 207-210*
- planar multilayer magic-T configs. using microstrip-slotline transits. *Jeong Phil Kim, +, T-MTT Jul 02 1683-1688*
- uniplanar transm. lines, surface leaky waves, representation. *Machac, J., +, T-MTT Feb 02 583-585*

Slow wave structures

- coaxial helical-groove slow-wave struct., dispersion eqn. and coupling impedance. *Guofen Yu, +, T-MTT Jan 02 191-200*
- elec.-mag.-elec. slow-wave microstrip line/bandpass filter. *Ching-Kuo Wu, +, T-MTT Aug 02 1996-2004*
- helical slow-wave struct., cond. perturber dia. effect on nonresonant meas. of interact. impedance. *Sun-Shin Jung, +, T-MTT Sep 02 2196-2198*
- microstrip/CPW amps., size reduction using defected ground struct. *Jong-Sik Lim, +, MWSYM 02 1153-1156 vol.2*
- Si, high-resist. substr., slow-wave CPW cct. *Naylor, J., +, MWSYM 02 669-672 vol.2*
- slow-wave bandpass filters, ring and stepped-impedance hairpin resonators. *Lung-Hwa Hsieh, +, T-MTT Jul 02 1795-1800*
- TWT slow wave ccts. for wireless commun., low cost. *Vancil, B.K., +, MWSYM 02 465-468 vol.1*

S-matrix theory

- balun conversion into broadband impedance-transforming 180 hybrids. *Kian Sen Ang, +, T-MTT Aug 02 1990-1995*
- chirowaveguides, 2D and 3D discontinuities study. *Wu, T.X., +, T-MTT Oct 02 2320-2330*
- complex tensorial permeab. of magnetized materials, automatic microwave meas. tech. *Queffelec, P., +, T-MTT Sep 02 2128-2134*
- corrections to "Numerical analysis of complicated waveguide circuits on the basis on generalized scattering matrices and domain product technique" (Feb 00 305-308). *Chumachenko, V.P., +, T-MTT Jun 02 1652*
- coupled-microstrip circulator, coupled-mode design. *Mazur, J., +, T-MTT Jun 02 1487-1494*
- discontinuities investig., TLM-based modal-extraction approach. *Ghosh, B., +, T-MTT Oct 02 2294-2304*
- ferriite coupled line circulator, bandwidth and losses. *Cham Kiong Queck, +, MWSYM 02 1475-1478 vol.3*
- mm-wave diplexer, H-plane transformer/E-plane metal-insert filters. *Ofli, E., +, MWSYM 02 377-380 vol.1*
- multisection 180 hybrids based on cascaded hybrid-ring couplers. *Kian Sen Ang, +, T-MTT Sep 02 2147-2152*
- rect. waveguides, arbitrarily shaped inductive obstacles, hybrid mode-matching/num. method. *Esteban, H., +, T-MTT Apr 02 1219-1224*
- spatial power combiners, waveguide-based with hard horn feeds, array params. optim. *Ozkar, M., +, MWSYM 02 1301-1304 vol.2*
- stable act. impedance inverter, anal. and appl. to bandpass filter design. *Young-Hoon Chun, +, MWSYM 02 1911-1914 vol.3*
- stripline tapped-in ridge waveguide bandpass filter, full-wave optim. *El Sabbagh, M.A., +, MWSYM 02 1805-1808 vol.3*

Smoothing methods

- CMOS RFIC CAD, gate capacitance models smoothing. *Dobes, J., RFIC 02 495-498*
- CMOS RFIC/microwave IC CAD, smoothing gate capacitance models. *Dobes, J., MWSYM 02 605-608 vol.1*

Societies

European microwave activities & infrastructures, overview. *Sorrentino, R.*, +, *T-MTT Mar 02* 1056-1072

Software engineering; cf. Software tools**Software tools**

telecom front-ends, syst.-level architectural design, modeling and anal. *Gielen, G.G.E.*, *T-MTT Jan 02* 360-368

Solid lasers

Nd:LiNbO₃ microchip laser, RIN peak and phase noise suppression. *Csornyei, M.*, +, *MWSYM 02* 1377-1380 vol.2

Solid lasers; cf. Semiconductor lasers**Solid-liquid transformations; cf.** Melting**Solid-state plasma; cf.** Semiconductor plasma**Solid-state rectifiers**

dual freq. rectenna for high efficiency wireless power transm. at 2.45 and 5.8 GHz. *Young-Ho Suh*, +, *MWSYM 02* 1297-1300 vol.2

SONET

design of high-speed master-slave D-Type flip-flop in InP DHBT technology. *Kasbari, A.-E.*, +, *T-MTT Dec 02* 3064-3069

Spaceborne radar

HEMT voltage controlled bi-directional amps. in support of component reuse for large aperture phase array. *Yang, J.M.*, +, *MWSYM 02* 65-68 vol.1

Space vehicle electronics

AlN HBT, Ku-band power amp., flip-chip mounting. *Vendier, O.*, +, *MWSYM 02* 1389-1392 vol.3

GaAs C-band HFET, 27 W, high efficiency and reliab. for space appls. *Minamide, H.*, +, *MWSYM 02* 621-623 vol.2

Ku-band coplanar HBT MMIC HPA, flip-chip assembly. *Fraysse, J.P.*, +, *MWSYM 02* 441-444 vol.1

S-parameters

adjacent coplanar spiral inductors, substr. coupling effects. *Chao, C.-J.*, +, *MWSYM 02* 157-160 vol.1

AlGaAs/GaAs HBTs, microwave noise sources, scatt. params. *Sakalas, P.*, +, *MWSYM 02* 2117-2120 vol.3

AlGaAs/InGaAs doped-channel power FETs, low-k BCB bridged proc. *Hsien-Chin Chiu*, +, *MWSYM 02* 521-524 vol.1

AlGaN/GaN HEMTs, intrinsic noise charact. *Sungjae Lee*, +, *MWSYM 02* 1415-1418 vol.3

chirrowaveguides, 2D and 3D discontinuities study. *Wu, T.X.*, +, *T-MTT Oct 02* 2320-2330

CMOS act. microwave cct. design, small-sig. substr. resist. effect modeling. *Yo-Sheng Lin*, +, *RFIC 02* 315-318

comments, with reply, on "General oscillator characterization using linear open-loop S-parameters" (Jun 01 1094-1100). *Cascio, L.*, +, *T-MTT Jan 02* 226-228

complex loads, impedance matching, nonuniform transm. lines. *Gaobiao Xiao*, +, *T-MTT Jun 02* 1520-1525

complex tensorial permeab. of magnetized materials, automatic microwave meas. tech. *Queffelec, P.*, +, *T-MTT Sep 02* 2128-2134

constrained EM-based modeling of pass. components, adaptive algm. *Dhaene, T.*, +, *MWSYM 02* 2113-2116 vol.3

coupled-microstrip circulator, coupled-mode design. *Mazur, J.*, +, *T-MTT Jun 02* 1487-1494

Cu high-Q inductors on CMOS-grade Si substr. with low-k BCB dielec. layer. *Xiao Huo*, +, *MWSYM 02* 513-516 vol.1

dielec. resonators, transm.-mode Q-factor meas. tech. *Leong, K.*, +, *T-MTT Sep 02* 2115-2127

dielec. resonator unloaded Q-factor meas. by transm./refl. mode methods using S-param. circle fitting. *Leong, K.*, +, *MWSYM 02* 1665-1668 vol.3

dual-plane comb-line filter having plural atten. poles, FDTD simul. method. *Kitamura, T.*, +, *T-MTT Apr 02* 1216-1219

elec.-mag.-elec. slow-wave microstrip line/bandpass filter. *Ching-Kuo Wu*, +, *T-MTT Aug 02* 1996-2004

EM/cct. co-optim. of lumped component and phys. layout params. using generalized layout components. *Sercu, J.*, +, *MWSYM 02* 2073-2076 vol.3

EM-simulator based param. extraction/optimiz. *Harscher, P.*, +, *MWSYM 02* 1113-1116 vol.2

front-end CMOS chipset for 10 Gbit/s opt. commun. *Petersen, A.K.*, +, *RFIC 02* 93-96

GaAs HBT, CAD, large-sig. model. *Angelov, I.*, +, *MWSYM 02* 2137-2140 vol.3

GaAs MESFETs, photonic capacitance model, on-wafer scatt. param. meas. *Navarro, C.*, +, *T-MTT Apr 02* 1193-1197

GaAs PHEMT direct digital six-port MM wave receiver, Ka-band, QPSK commun. *Ovidiu Tatu, S.*, +, *RFIC 02* 155-158

GaN/P/GaAs HBT, on-wafer deembedding tech. *Bousnina, S.*, +, *T-MTT Feb 02* 420-424

GaN/P/GaAs microwave HBT small-sig. model, direct param.-extraction method. *Bousnina, S.*, +, *T-MTT Feb 02* 529-536

HBT extrinsic base-collector capacitance derived from S-param. meas. *Wasige, E.*, +, *MWSYM 02* 733-736 vol.2

HBT, small-sig. T and model extraction. *Tasker, P.J.*, +, *MWSYM 02* 2129-2132 vol.3

HBT, -topol. equiv. ccts., transit-time effects. *Rudolph, M.*, +, *MWSYM 02* 997-1000 vol.2

hierarchical multilevel pot. preconditioner for fast FEM. *Yu Zhu*, +, *T-MTT Aug 02* 1984-1989

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LDMOS HV RFIC proc., appl. to wideband power amp. IC design. *Pla, J.A.*, +, *MWSYM 02* 263-266 vol.1

LDMOS RF power transistor, nonlin. distortion, polynomial model. *Vuolevi, J.*, +, *MWSYM 02* 2157-2160 vol.3

method of lines anal., nonequidistant discretization. *Greda, L.A.*, +, *MWSYM 02* 1877-1880 vol.3

microwave device optim., EM scatt., 2D p-adaptive FEM. *Gavrilovic, M.M.*, +, *T-MTT Aug 02* 1901-1911

microwave line-segment ccts., evol. generation by GA. *Nishino, T.*, +, *T-MTT Sep 02* 2048-2055

microwave struct., fast finite-element-based field optimizer using anal. calc. gradients. *Harscher, P.*, +, *T-MTT Feb 02* 433-439

MOSFET, nonlin. model based on DC/small-sig. S param. meas. *Romdane, H.*, +, *RFIC 02* 487-489

multilayer conductor, surface impedance, FDTD model. *Thiel, W.*, +, *MWSYM 02* 759-762 vol.2

multilayered aperture-coupled patch antenna, 3D EM problems full-wave anal. *Lei Yin*, +, *T-MTT Aug 02* 2011-2017

multiport ccts., equiv. cct. models. *Neumayer, R.*, +, *MWSYM 02* 721-724 vol.2

mutual coupling between discontinuities in planar ccts. *Van Thielen, B.L.A.*, +, *T-MTT Jan 02* 155-164

nonlin. AC FET model, extraction using small-sig. S-params. *Vuolevi, J.H.K.*, +, *T-MTT May 02* 1311-1315

nonlin. model. *Romdane, H.*, +, *MWSYM 02* 597-599 vol.1

NWA based on photonic techs. and act. photonic probes for on-wafer meas. *Nagatsuma, T.*, +, *MWSYM 02* 1497-1500 vol.3

OC-192/OC-768 fiber opt. ICs, global layout model, quasistatic MoM. *Huang, C.-W.P.*, +, *RFIC 02* 97-100

on-chip spiral inductor, substr. coupling effects, RFIC. *Chuan-Jane Chao*, +, *RFIC 02* 311-314

optoelectronic array packaging, micromachined partially shielded microstrip interconnect. *Banerjee, S.R.*, +, *MWSYM 02* 1565-1568 vol.3

perfectly matched layers, 3D finite-difference freq.-domain method. *Tischler, T.*, +, *MWSYM 02* 1885-1888 vol.3

PHEMT, MM-wave model, on-wafer meas. and EM simul. *Cidronali, A.*, +, *T-MTT Feb 02* 425-432

planar ccts./MEMS, time/freq. domain modeling using EM solvers, efficiency comparisons. *Pierantoni, L.*, +, *MWSYM 02* 891-894 vol.2

planar IC, lumped element, param. extraction, short-open calib. *Lei Zhu*, +, *T-MTT Aug 02* 1861-1869

probe-tone S-param. meas. tech. for power amps. *Martens, J.*, +, *T-MTT Sep 02* 2076-2082

RF CMOS, S-param. kink phenom., small-sig. substr. resist. effect. *Yo-Sheng Lin*, +, *MWSYM 02* 161-164 vol.1

Si based monolithic integrated transformers, substr. RF losses. *Ng, K.T.*, +, *T-MTT Jan 02* 377-383

SiGe HBT with high breakdown voltage struct., RF power characts. *Matsuno, T.*, +, *RFIC 02* 377-379

Si LDMOS HV RFIC amp. design, robust model extraction. *Pla, J.A.*, +, *RFIC 02* 347-350

Si/SiGe/Si double mesa-type HBT, high-power high-gain X-band. *Zhenqiang Ma*, +, *T-MTT Apr 02* 1101-1108

Si two-port & three-port inductors, freq. depend. losses modeling. *Kamgaing, T.*, +, *RFIC 02* 307-310

small-sig. model, param. extraction. *Fager, C.*, +, *MWSYM 02* 729-732 vol.2

surface-mounted RF components, meas. based closed-form modeling. *Naishadham, K.*, +, *T-MTT Oct 02* 2276-2286

thin metal wires in rect. waveguide, scatt. and absorpt. study. *Bingle, M.*, +, *T-MTT Jun 02* 1621-1627

UHF microstrip amp., radiation, spectral-domain dyadic Green's fn., full-wave method. *Izzy-Sheng Horng*, +, *T-MTT Aug 02* 2005-2010

wireless microwave power transm., 5.8-GHz circ. polarized rectenna. *Strassner, B.*, +, *T-MTT Aug 02* 1870-1876

Spark gaps; cf. Air gaps**Sparse matrices**

nonreciprocal remanence ferrite phase shifter in grooved waveguide. *Wenquan Che*, +, *T-MTT Aug 02* 1912-1918

planar waveguides, multiple scatt. among vias, sparse-matrix canonical-grid method. *Chung-Chi Huang*, +, *MWSYM 02* 2045-2048 vol.3

Trefftz FEM for comput. EM, TLM method. *Shlepnev, Y.O.*, *T-MTT May 02* 1328-1339

Spatial filters

smart antenna receiver array using single RF channel and digital beamforming. *Fredrick, J.D.*, +, *T-MTT Dec 02* 3052-3058

Spatial variables measurement; cf. Length measurement; Thickness measurement

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silicon-based RF and microwave integrated circuits (special issue intro.). *Hajimiri, A.*, +, *T-MTT Jan 02* 233-234

Specification languages; cf. Hardware description languages

Spectral analysers

AlGaAs/InGaAs/GaAs pHEMT power amps., Ka-band intercept point behavior. *Merkle, T.*, +, *MWSYM 02* 453-456 vol.1

two-tone meas. tech. for microwave power-amp. charactn. *Clark, C.J.*, +, *T-MTT Jun 02* 1590-1602

Spectral analysis

approx. analytical eval. of continuous spectrum in substrate-superstrate dielectric waveguide. *Baccarelli, P.*, +, *T-MTT Dec 02* 2690-2701

ultra-fast broadband time domain EMI meas. syst. using spectral estim. *Krug, F.*, +, *MWSYM 02* 2237-2240 vol.3

Spectral-domain analysis

2D stratified medium, EM field, num. tech. *Aksun, M.I.*, +, *T-MTT May 02* 1264-1274

anisotropic stripline struct., printed apertures, dyn. model. *Lacava, J.C.D.S.*, +, *T-MTT Jan 02* 22-26

coplanar ferroelec. thin-film devices, anisotropic permitt./atten. from propag. constns., full-wave Green's fn. solver. *Krown, C.M.*, +, *T-MTT Feb 02* 537-548

cylindrical transm. line, magnetized ferrite substr., dispersion anal. *Dib, N.*, +, *T-MTT Jul 02* 1730-1736

grounded dielec. slab, thick/lossy, complete pole location. *Swee-Ann Teo, +*, *T-MTT Feb 02* 440-445

interdigital hairpin bandpass filter, design using model of coupled slots. *Deleniv, A.N.*, +, *T-MTT Sep 02* 2153-2158

leaky modes on PC lines, evol. *Mesa, F.*, +, *T-MTT Jan 02* 94-104

microstrip single-layer and multilayer struct., closed-form Green's fns. *Yuehe Ge, +*, *T-MTT Jun 02* 1556-1560

microstrip transm. layered struct. with complex media, atten. determ. *Krown, C.M.*, *T-MTT Jan 02* 112-122

multilayer microstrip struct. piezoelec. transducer controlled phase shifter anal. *Tae-Yeoul Yun, +*, *T-MTT Jan 02* 105-111

multioctave spatial power combining in oversized coaxial waveguide. *Pengcheng Jia, +*, *T-MTT May 02* 1355-1360

open PC transm. lines, spectral-domain anal. of leaky modes. *Mesa, F.*, +, *T-MTT Oct 02* 2267-2275

parallel-plate dielec. waveguide, excitation by coaxial probe study. *Kwan, G.K.C.*, +, *T-MTT Jun 02* 1609-1620

rect. conducting patches on uniaxial dielec. anisotropic substr., EM scatt. by FSS. *Campos, A.L.P.S.*, +, *T-MTT Jan 02* 72-76

slot line on semicond. plasma substr., opt. control of MM-waves. *Dana, S.K.*, +, *T-MTT Jan 02* 207-210

UHF microstrip amp., radiation, spectral-domain dyadic Green's fn., full-wave method. *Tzyy-Sheng Horng, +*, *T-MTT Aug 02* 2005-2010

SPICE

CMOS quadrature VCO, 2.4 GHz, spiral inductors & differential varactors. *Baoyong Chi, +*, *RFIC 02* 451-454

CMOS RFIC CAD, gate capacitance models smoothing. *Dobes, J.*, *RFIC 02* 495-498

CMOS RFIC/microwave IC CAD, smoothing gate capacitance models. *Dobes, J.*, *MWSYM 02* 605-608 vol.1

low cost RF transceiver ICs, pass. elements modeling, ASITIC, lumped-element equiv. cct. models. *Niknejad, A.M.*, *MWSYM 02* 149-152 vol.1

multiconductor transm. line, transient simul., structural aspects of model, digital ccts. *Condon, M.*, *MWSYM 02* 2065-2068 vol.3

RFIC design, package and bonding wire modeling software and appl. *Goto, K.*, +, *MWSYM 02* 2109-2112 vol.3

RFIC, pass. elements, ASITIC model. *Niknejad, A.M.*, *RFIC 02* 303-306

SPICE-TLM interconnection framework, time domain cct. modeling. *So, P.P.M.*, +, *MWSYM 02* 1123-1126 vol.2

TLM-SPICE interconnection framework for coupled field and circuit analysis in time domain. *So, P.P.M.*, +, *T-MTT Dec 02* 2728-2733

Splines (mathematics)

FET device, nonlin. distortion, Smoothie data base model. *Cuoco, V.*, +, *MWSYM 02* 2149-2152 vol.3

LDMOSFETs, RF electro-thermal modeling, power-amp. design appl. *Akhtar, S.*, +, *T-MTT Jun 02* 1561-1570

spline large-signal FET model based on bias-dependent pulsed I-V meas. *Kyoungmin Koh, +*, *T-MTT Nov 02* 2598-2603

Spread spectrum communication

Bluetooth 6.5-mW receiver front-end in 0.18- m CMOS. *Beffa, F.*, +, *RFIC 02* 391-394

CMOS Bluetooth receiver IC, 3 V, develop. and implement. *Wenjun Sheng, +*, *RFIC 02* 107-110

CMOS Bluetooth transceiver IC with Cu RF pass., fab. and perform. *Doan, M.T.*, +, *RFIC 02* 415-418

DS-SS commun. for multipath channels. *Pursley, M.B.*, *T-MTT Mar 02* 653-661

fixed wireless utility network, low-IF receiver, dyn. range. *Thumaty, S.*, +, *MWSYM 02* 935-938 vol.2

W-CDMA mobile radio terminals, highly integrated RFICs, review. *Springer, A.*, +, *T-MTT Jan 02* 254-267

Spread spectrum communication; cf. Frequency hop communication

Spread spectrum radar

rlly. crossing obstacle sens. MM wave SS radar syst. *Watanabe, M.*, +, *MWSYM 02* 791-794 vol.2

Sputtered coatings

Cu capacitive RF MEMS switches, low actuation volt., low cost fab. proc. *Balaraman, D.*, +, *MWSYM 02* 1225-1228 vol.2

Sputter etching

layer-by-layer photonic cryst. fab. for submillimeter-wave freqs. *Gonzalo, R.*, +, *T-MTT Oct 02* 2384-2392

Sputtering; cf. Sputter etching

Stability; cf. Circuit stability; Frequency stability; Numerical stability

Stability criteria

extended FDTD tech. includ. pass. and act. elements, stabil. anal. *Thiel, W.*, +, *T-MTT Sep 02* 2159-2165

Standards

theoretical evaluation of GSM/UMTS electromagnetic fields on neuronal network response. *Apollonio, F.*, +, *T-MTT Dec 02* 3029-3035

Standards; cf. IEEE standards; Measurement standards; Telecommunication standards

Statistical analysis

CDMA sigs. in nonlin. RF syst., stat. modeling of interact. *Gharaibeh, K.M.*, +, *MWSYM 02* 143-147 vol.1

Statistics; cf. Error statistics; Monte Carlo methods; Statistical analysis; Time series

Steel

thin metal wires in rect. waveguide, scatt. and absorpt. study. *Bingle, M.*, +, *T-MTT Jun 02* 1621-1627

Stiction

RF MEMS, at. layer deposition technol., long-term reliab. failures. *Hoivik, N.*, +, *MWSYM 02* 1229-1232 vol.2

Stochastic processes

wideband EM response through Laguerre expansion using early-time and LF data. *Sarak, T.K.*, +, *T-MTT May 02* 1408-1416

Strip line circuits

air gap transm. lines for mm-wave appls., high perform. *Inho Jeong, +*, *MWSYM 02* 661-664 vol.2

circ. polarized rectifying antenna array, wireless microwave power transm. *Strassner, B.*, +, *MWSYM 02* 1535-1538 vol.3

field-extracted lumped-element models of CPS ccts. and discontinuities, RF design. *Lei Zhu, +*, *T-MTT Apr 02* 1207-1215

open PC transm. lines, spectral-domain anal. of leaky modes. *Mesa, F.*, +, *T-MTT Oct 02* 2267-2275

Strip line circuits; cf. Microstrip circuits

Strip line components

Ka-band printed dipole phased array antenna using microstrip-fed CPS tee jns. *Young-Ho Suh, +*, *MWSYM 02* 1321-1324 vol.2

Strip line components; cf. Microstrip components; Strip line circuits; Strip line couplers; Strip line filters; Strip line resonators

Strip line couplers

BaSrTiO₃/sapphire refl.-type phase shifter, monolithic, using CPW Lange coupler. *Dongsu Kim, +*, *MWSYM 02* 1471-1474 vol.3

Strip line couplers; cf. Microstrip couplers

Strip line discontinuities

anisotropic stripline struct., printed apertures, dyn. model. *Lacava, J.C.D.S.*, +, *T-MTT Jan 02* 22-26

field-extracted lumped-element models of CPS ccts. and discontinuities, RF design. *Lei Zhu, +*, *T-MTT Apr 02* 1207-1215

Strip line discontinuities; cf. Microstrip discontinuities**Strip line filters**

- broadband integrated LTCC front-end module, IEEE 802.11a WLAN appls. *Lee, C.-H.*, +, *MWSYM* 02 1045-1048 vol.2
- CPS resonator modeling, CPS-microstrip transit., bandpass filter appl. *Young-Ho Suh*, +, *T-MTT May* 02 1289-1296
- dual-freq. printed dipole rectenna, wireless power transm. *Young-Ho Suh*, +, *T-MTT Jul* 02 1784-1789
- dual freq. rectenna for high efficiency wireless power transm. at 2.45 and 5.8 GHz. *Young-Ho Suh*, +, *MWSYM* 02 1297-1300 vol.2
- interdigital filters, optim. by CAD applying coupling ident. method. *Saboureau, C.*, +, *MWSYM* 02 2089-2092 vol.3
- Ku-band low-loss stripline low-pass filter for LTCC modules, low-impedance lines. *Ohwada, T.*, +, *MWSYM* 02 1617-1620 vol.3
- microwave filters, survey of design techs. *Levy, R.*, +, *T-MTT Mar* 02 783-793
- slotted strip iris harmonic rejection filters. *Kirilenko, A.*, +, *MWSYM* 02 373-376 vol.1
- stepped impedance resonator bandpass filters, tunable transm. zeros. *Jen-Tsai Kuo*, +, *MWSYM* 02 1613-1616 vol.3
- stripline tapped-in ridge waveguide bandpass filter, full-wave optim. *El Sabbagh, M.A.*, +, *MWSYM* 02 1805-1808 vol.3

Strip line filters; cf. Microstrip filters**Strip line resonators**

- transm.-type resonator, unloaded Q-factors meas. by insertion loss/return loss methods, error anal. *Ma, Z.*, +, *MWSYM* 02 1661-1664 vol.3

Strip line resonators; cf. Microstrip resonators**Strip lines**

- leaky modes on PC lines, evol. *Mesa, F.*, +, *T-MTT Jan* 02 94-104
- LTCC stripline struct., sharpened edges and embedded pores. *Jae Hyuk Jang*, +, *MWSYM* 02 673-676 vol.2
- microstrip and stripline ferrite-coupled-line (FCL) circulators. *Queck, C.K.*, +, *T-MTT Dec* 02 2910-2917
- nonphysical leaky mode for fields excited by practical source in PC transm. lines. *Tsuji, M.*, +, *MWSYM* 02 957-960 vol.2
- open PC transm. lines, spectral-domain anal. of leaky modes. *Mesa, F.*, +, *T-MTT Oct* 02 2267-2275

Strip lines; cf. Microstrip lines; Strip line discontinuities; Strip line transitions**Strip line transitions**

- CPS resonator modeling, CPS-microstrip transit., bandpass filter appl. *Young-Ho Suh*, +, *T-MTT May* 02 1289-1296
- CPW-to-CPS transits., low-pass/high-pass filters. *Yo-Shen Lin*, +, *MWSYM* 02 2213-2216 vol.3

Strip line transitions; cf. Microstrip transitions**Strontium compounds**

- BaSrTiO₃ high-isolation MEMS capacitive switches for K-/Ka-band appls. *Yu Liu*, +, *MWSYM* 02 227-230 vol.1
- BaSrTiO₃/sapphire refl.-type phase shifter, monolithic, using CPW Lange coupler. *Dongsu Kim*, +, *MWSYM* 02 1471-1474 vol.3
- (Ba,Sr)TiO₃ thin film, parallel plate capacitor, microwave meas. *Zhang Jin*, +, *MWSYM* 02 1201-1204 vol.2
- BaSrTiO₃ thin film parallel plate capacitors for X-band phase shifter appl. *Acikel, B.*, +, *MWSYM* 02 1467-1469 vol.3
- SrTiO₃ disk resonator, narrow-band tunable band-pass filter. *Deleniv, A.*, +, *MWSYM* 02 1197-1200 vol.2

Subcarrier multiplexing

- GaAs single-MMIC four-channel transmitter, multichannel RF/opt. SCM commun. *Sangwoo Han*, +, *T-MTT Apr* 02 1173-1179
- subcarrier-based control implement. for opt. networking. *Willner, A.E.*, *MWSYM* 02 1687-1690 vol.3

Submillimeter wave amplifiers

- microfabrication, high-power wideband THz radiation. *Kory, C.L.*, +, *MWSYM* 02 1265-1268 vol.2

Submillimeter wave circuits

- submillimeter-wave sideband generation using varactor Schottky diodes. *Kurtz, D.S.*, +, *T-MTT Nov* 02 2610-2617

Submillimeter wave devices

- layer-by-layer photonic cryst. fab. for submillimeter-wave freqs. *Gonzalo, R.*, +, *T-MTT Oct* 02 2384-2392
- terahertz technol., appls., sens. and sources. *Siegel, P.H.*, *T-MTT Mar* 02 910-928

Submillimeter wave devices; cf. Submillimeter wave amplifiers; Submillimeter wave circuits; Submillimeter wave mixers; Submillimeter wave oscillators; Submillimeter wave receivers**Submillimeter wave generation**

- plastic photonic cryst. fibers, guided-wave single-mode THz pulse propag. *Han, H.*, +, *MWSYM* 02 1075-1078 vol.2
- terahertz technol., appls., sens. and sources. *Siegel, P.H.*, *T-MTT Mar* 02 910-928

Submillimeter wave imaging

- fusion plasma diagnostics, THz techs. use. *Deng, B.H.*, +, *MWSYM* 02 1587-1590 vol.3
- T-ray imaging, far-IR syst. *Mittleman, D.M.*, *MWSYM* 02 1575-1578 vol.3

Submillimeter wave measurement

- fusion plasma diagnostics, THz techs. use. *Deng, B.H.*, +, *MWSYM* 02 1587-1590 vol.3
- polarimetric compact ranges for scale-model radar meas. *Coulombe, M.*, +, *MWSYM* 02 1583-1586 vol.3
- sampled-line reflectometer for sub-mm-wave meas. *Ulker, S.*, +, *MWSYM* 02 1677-1680 vol.3
- terahertz technol., appls., sens. and sources. *Siegel, P.H.*, *T-MTT Mar* 02 910-928

Submillimeter wave mixers

- CPW embedding ccts. for THz hot-electron-bolometer mixers. *Focardi, P.*, +, *T-MTT Oct* 02 2374-2383
- Schottky diode harmonic mixers, THz freqs., IF power null effects. *Feinaugle, R.*, +, *T-MTT Jan* 02 134-142

Submillimeter wave oscillators

- microfabrication, high-power wideband THz radiation. *Kory, C.L.*, +, *MWSYM* 02 1265-1268 vol.2

Submillimeter wave receivers

- CPW embedding ccts. for THz hot-electron-bolometer mixers. *Focardi, P.*, +, *T-MTT Oct* 02 2374-2383
- polarimetric compact ranges for scale-model radar meas. *Coulombe, M.*, +, *MWSYM* 02 1583-1586 vol.3

Submillimeter waves

- beam shaping of radiowaves using holograms, CATR appl. *Meltaus, J.*, +, *MWSYM* 02 1305-1308 vol.2

Submillimeter wave spectra

- bioparticle rem. detect. in THz region, differential absorpt. radar. *Brown, E.R.*, +, *MWSYM* 02 1591-1594 vol.3

Submillimeter wave spectroscopy

- terahertz spectrosc., techs. and appls. *De Lucia, F.C.*, *MWSYM* 02 1579-1582 vol.3

Subroutines

- integrated microwave sensors for cavity-length measurement in machine engineering. *Megej, A.*, +, *T-MTT Dec* 02 3070-3076
- new 2-D image reconstruction algorithm based on FDTD and design sensitivity analysis. *Kang, N.-W.*, +, *T-MTT Dec* 02 2734-2740
- peeling algorithm for extraction of HBT small-signal equivalent circuit. *Sheinman, B.*, +, *T-MTT Dec* 02 2804-2810

Subscriber loops; cf. Digital subscriber lines; Radio access networks**Substrate**

- approx. analytical eval. of continuous spectrum in substrate-superstrate dielectric waveguide. *Baccarelli, P.*, +, *T-MTT Dec* 02 2690-2701

Substrates

- ceramic substr. material charactn. at microwave freqs., semianalytical tech. *Fathy, A.E.*, +, *T-MTT Oct* 02 2247-2252
- DC, RF, and microwave noise performs. of AlGaIn/GaN HEMTs on sapphire substrs. *Lu, W.*, +, *T-MTT Nov* 02 2499-2504
- high-Q inductors in organic substrs. for 1-3 GHz wireless appls., design. *Dalmia, S.*, +, *MWSYM* 02 1405-1408 vol.3
- SiO₂/Si₃N₄ integrated-optics waveguides on Si substrs., design and fab. *Bulla, D.A.P.*, +, *T-MTT Jan* 02 9-12
- Si smart substr., RF pass. integrat. *Dong-Wook Kim*, +, *MWSYM* 02 1561-1564 vol.3
- Si wafer, substr. loss, microstrip and CPW transm. lines. *Lederer, D.*, +, *MWSYM* 02 685-688 vol.2
- slot line on semicond. plasma substr., opt. control of MM-waves. *Dana, S.K.*, +, *T-MTT Jan* 02 207-210
- spiral inductors embedded on MCM-L organic substrs. for syst.-on-package appls. *Lee, S.H.*, +, *MWSYM* 02 2229-2232 vol.3
- spiral inductors for submicron CMOS RFICs, effects of dummy patterns and substr. *Jae-Hong Chang*, +, *RFIC* 02 419-422
- spiral inductors on insulating substrs., perform. improvements. *Kelly, D.*, +, *RFIC* 02 431-433
- symm. octagonal inductor, substr. parasitics calc. *Tatinian, W.*, +, *MWSYM* 02 165-169 vol.1
- W-band flip-chip interconnects on thin-film substr. *Schmuckle, F.J.*, +, *MWSYM* 02 1393-1396 vol.3
- wide-band reflection-type phase shifter at S-band using BST coated substrate. *Kim, D.*, +, *T-MTT Dec* 02 2903-2909

Superconducting devices

- ultra-selective 22-pole 10-transmission zero superconducting bandpass filter surpasses 50-pole Chebyshev filter. *Tsuzuki, G.*, +, *T-MTT Dec* 02 2924-2929

Superconducting devices; cf. Superconducting filters; Superconducting microwave devices; Superconducting resonators**Superconducting filters**

- folded dual-mode HTS microstrip resonator/band pass filter. *Raihn, K.F.*, +, *MWSYM* 02 1959-1962 vol.3
- interdigital hairpin bandpass filter, design using model of coupled slots. *Deleniv, A.N.*, +, *T-MTT Sep* 02 2153-2158
- microwave filters, survey of design techs. *Levy, R.*, +, *T-MTT Mar* 02 783-793
- microwave filter technol. develop., appls. perspective. *Hunter, I.C.*, +, *T-MTT Mar* 02 794-805

- microwave HTSC technol., appls. overview. *Mansour, R.R.*, *T-MTT Mar 02 750-759*
- planar filter, design optimization. *Peik, S.F.*, +, *MWSYM 02 1109-1112 vol.2*
- YBaCuO HTSC microwave filters, tuning by laser trimming. *Parker, N.J.*, +, *MWSYM 02 1971-1974 vol.3*
- YBaCuO supercond. bandpass filter, Chebyshev rejection, 3G/4G wireless appl. *Tsuzuki, G.*, +, *MWSYM 02 1963-1966 vol.3*
- Superconducting materials; cf.** High-temperature superconductors
- Superconducting microwave devices**
- CPW embedding ccts. for THz hot-electron-bolometer mixers. *Focardi, P.*, +, *T-MTT Oct 02 2374-2383*
- folded dual-mode HTS microstrip resonator/band pass filter. *Raihn, K.F.*, +, *MWSYM 02 1959-1962 vol.3*
- HTSC technol., appls. overview. *Mansour, R.R.*, *T-MTT Mar 02 750-759*
- HTS microstrip cct. design, shunt capacitor approx., bandstop filter. *Shen Ye, MWSYM 02 1979-1982 vol.3*
- interdigital hairpin bandpass filter, design using model of coupled slots. *Deleniv, A.N.*, +, *T-MTT Sep 02 2153-2158*
- microwave filters, survey of design techs. *Levy, R.*, +, *T-MTT Mar 02 783-793*
- microwave filter technol. develop., appls. perspective. *Hunter, I.C.*, +, *T-MTT Mar 02 794-805*
- planar filter, design optimization. *Peik, S.F.*, +, *MWSYM 02 1109-1112 vol.2*
- sapphire rod resonators to measure surface resist. of HTSC films. *Hashimoto, T.*, +, *MWSYM 02 1975-1978 vol.3*
- YBaCuO HTSC microwave filters, tuning by laser trimming. *Parker, N.J.*, +, *MWSYM 02 1971-1974 vol.3*
- YBaCuO low-loss 5GHz bandpass filter using HTS CPW qtr.-wavelength resonators. *Zhewang Ma*, +, *MWSYM 02 1967-1970 vol.3*
- YBaCuO supercond. bandpass filter, Chebyshev rejection, 3G/4G wireless appl. *Tsuzuki, G.*, +, *MWSYM 02 1963-1966 vol.3*
- Superconducting mixers; cf.** Superconductor-insulator-superconductor mixers
- Superconducting resonators**
- sapphire rod resonators to measure surface resist. of HTSC films. *Hashimoto, T.*, +, *MWSYM 02 1975-1978 vol.3*
- YBaCuO HTSC microwave filters, tuning by laser trimming. *Parker, N.J.*, +, *MWSYM 02 1971-1974 vol.3*
- Superconducting thin films**
- HTS microstrip cct. design, shunt capacitor approx., bandstop filter. *Shen Ye, MWSYM 02 1979-1982 vol.3*
- sapphire rod resonators to measure surface resist. of HTSC films. *Hashimoto, T.*, +, *MWSYM 02 1975-1978 vol.3*
- YBaCuO HTSC microwave filters, tuning by laser trimming. *Parker, N.J.*, +, *MWSYM 02 1971-1974 vol.3*
- Superconductivity; cf.** High-temperature superconductors
- Superconductor-insulator-superconductor devices; cf.** Superconductor-insulator-superconductor mixers
- Superconductor-insulator-superconductor mixers**
- 200-285-GHz waveguide SIS mixer with inhomog. distributed jn. array. *Takeda, M.*, +, *T-MTT Nov 02 2618-2623*
- Superheterodyne receivers**
- 1.9-GHz MMIC receiver front-end with monolithic image-reject filter and VCO. *Rogers, J.W.M.*, +, *T-MTT Jan 02 210-215*
- 5-GHz CMOS WLAN stds. & receiver implement. *Lee, T.H.*, +, *T-MTT Jan 02 268-280*
- cellular RF transceiver front-end, CMOS use, LV low power design. *Steyaert, M.S.J.*, +, *T-MTT Jan 02 281-287*
- Surface acoustic wave correlation**
- microwave BAW/SAW materials/devices/appls. *Weigel, R.*, +, *T-MTT Mar 02 738-749*
- Surface acoustic wave devices; cf.** Surface acoustic wave filters; Surface acoustic wave resonators; Surface acoustic wave sensors; Surface acoustic wave transducers
- Surface acoustic wave filters**
- front end modules for GSM cellular phones with direct-conversion demodulation. *Hikita, M.*, +, *MWSYM 02 1483-1486 vol.3*
- LTCC integrated tri-band direct conversion receiver front-end module. *Lucero, R.*, +, *MWSYM 02 1545-1548 vol.3*
- microwave BAW/SAW materials/devices/appls. *Weigel, R.*, +, *T-MTT Mar 02 738-749*
- microwave filter technol. develop., appls. perspective. *Hunter, I.C.*, +, *T-MTT Mar 02 794-805*
- SAW front-end module for GSM-based dual-band cellular phones with direct-conversion demodulation. *Hikita, M.*, +, *T-MTT Nov 02 2629-2638*
- Surface acoustic wave resonators**
- microwave BAW/SAW materials/devices/appls. *Weigel, R.*, +, *T-MTT Mar 02 738-749*
- Surface acoustic wave sensors**
- wireless IDT sens. *Jose, K.A.*, +, *MWSYM 02 655-658 vol.2*
- Surface acoustic wave signal processing; cf.** Surface acoustic wave correlation
- Surface acoustic wave transducers**
- microwave BAW/SAW materials/devices/appls. *Weigel, R.*, +, *T-MTT Mar 02 738-749*
- Surface conductivity**
- sintered conductor and dielec. substr. interface, effective cond. meas., microwave freqs. *Nakayama, A.*, +, *T-MTT Jul 02 1665-1674*
- Surface electromagnetic waves**
- grounded dielec. slab, thick/lossy, complete pole location. *Swee-Ann Teo*, +, *T-MTT Feb 02 440-445*
- microstrip line/patch structs., surface wave propag., FDTD method. *Semouchkina, E.*, +, *MWSYM 02 1127-1130 vol.2*
- suspended resonators for filters-reduced g excitation of evanescent cavities using high dielectric constant feedlines. *Snyder, R.V.*, +, *T-MTT Dec 02 2890-2895*
- uniplanar transm. lines, surface leaky waves, representation. *Machac, J.*, +, *T-MTT Feb 02 583-585*
- Surface mount technology**
- GaAs PHEMT MMIC power amp., 15 W, 3G wireless transmitter appls. *Staudinger, J.*, +, *MWSYM 02 617-620 vol.2*
- Gunn diode based surface mount 77-GHz VCO for automotive radar appls. *Priestley, N.*, +, *MWSYM 02 1863-1866 vol.3*
- hybrid power amp. module, 20 W, 2080-2200 MHz, optimized for error amp. appls. *Crescenzi, E.J., Jr.*, *MWSYM 02 613-616 vol.2*
- Ku-band MMICs in low-cost SMT compatible packages. *Huang, H.C.*, +, *MWSYM 02 27-30 vol.1*
- microstrip to dielec.-filled rect. waveguide transit., surface mounting. *Sano, K.*, +, *MWSYM 02 813-816 vol.2*
- PHEMT MMIC Ku-band amps., SMT packages. *Huang, H.C.*, +, *RFIC 02 281-284*
- RF components, meas. based closed-form modeling. *Naishadham, K.*, +, *T-MTT Oct 02 2276-2286*
- Surface phenomena; cf.** Surface conductivity; Surface electromagnetic waves; Surface states
- Surface plasmon resonance**
- Au-coated multimode fiber sens., chem. anal. appl., surface plasmon reson. *Fontana, E.*, *T-MTT Jan 02 82-87*
- Surface plasmons; cf.** Surface plasmon resonance
- Surface states**
- AlGaIn/GaN wide-bandgap microwave HEMTs, trapping effects. *Binari, S.C.*, +, *MWSYM 02 1823-1826 vol.3*
- GaN wide-bandgap microwave MESFETs, trapping effects. *Binari, S.C.*, +, *MWSYM 02 1823-1826 vol.3*
- SiC wide-bandgap microwave MESFETs, trapping effects. *Binari, S.C.*, +, *MWSYM 02 1823-1826 vol.3*
- Surface structure; cf.** Surface topography
- Surface topography**
- SiN_x RF MEMS capacitive switches fabricated with HDICP CVD. *Chang, C.H.*, +, *MWSYM 02 231-234 vol.1*
- Surface treatment**
- multipactor-free waveguide components for commun. satellites, CAD. *Ludovico, M.*, +, *MWSYM 02 2077-2080 vol.3*
- series MEMS switch compatible with CMOS technol, design and fab. *Yongming Cai*, +, *MWSYM 02 1221-1224 vol.2*
- Surface treatment; cf.** Etching
- Surveillance**
- PHEMT MMIC upconverter, ESM appl. *Devlin, L.M.*, +, *MWSYM 02 257-261 vol.1*
- Switched filters**
- novel coupling schemes for microwave resonator filters. *Rosenberg, U.*, +, *T-MTT Dec 02 2896-2902*
- Switched networks**
- RF and microwave power amps., Class-E parallel cct. *Grebennikov, A.V.*, +, *MWSYM 02 1627-1630 vol.3*
- RF and microwave tuned class-E power amps. *Grebennikov, A.V.*, *RFIC 02 49-52*
- SiGe BiCMOS quadrature LC VCO, 1.8 V 6/9 GHz switchable dual-band design. *Hyunchol Shin*, +, *RFIC 02 71-74*
- Switched networks; cf.** Switched filters
- Switches**
- RF MEMS capacitive devices, RF power handling. *Pillans, B.*, +, *MWSYM 02 329-332 vol.1*
- Switches; cf.** Microwave switches; Optical switches; Semiconductor switches
- Switching circuits**
- GaAs single-pole dual-throw antenna switch for GSM appl. *Numata, K.*, +, *RFIC 02 141-144*
- RF and microwave tuned class-E power amps. *Grebennikov, A.V.*, *RFIC 02 49-52*
- S-band broadband monolithic class-E power amp., design and fab. *Tayrani, R.*, *RFIC 02 53-56*
- X-band integrated class-E oscillating annular ring element for high-efficiency transmitting arrays. *Hagerty, J.A.*, +, *MWSYM 02 1317-1320 vol.2*

Symmetry

simul./stabil. test accel. using symm. device. *Ramberger, S., +, MWSYM 02 967-970 vol.2*

Synchronization

direct optical injection locking of InP/InGaAs HPT oscillator ICs for microwave photonics and 40-Gbit/s-class optoelectronic clock recovery. *Kamitsuna, H., +, T-MTT Dec 02 3002-3008*

InP/InGaAs fully integrated 40-Gbit/s clock and data recovery cct., opt. commun. systs. *Nosaka, H., +, MWSYM 02 83-86 vol.1*

InP/InGaAs HPT direct opt. injection-locked oscillator ICs for optoelectronic clock recovery ccts., 10/39 GHz. *Kamitsuna, H., +, MWSYM 02 1699-1702 vol.3*

variable order analog freq. divider design, nonlin. dyn. concepts. *Ramirez, F., +, MWSYM 02 127-130 vol.1*

Synthetic aperture radar

buried targets, microwave radar underground propag. and detect. appls. *Carin, L., +, T-MTT Mar 02 945-952*

T**Table lookup**

CMOS power amp., digital adaptive predistortion, cellular phone. *Kusunoki, S., +, MWSYM 02 765-768 vol.2*

MOSFET, nonlin. model based on DC/small-sig. S param. meas. *Romdane, H., +, RFIC 02 487-489*

Teaching

EM/microwave education, technol.-based. *Iskander, M.F., T-MTT Mar 02 1015-1020*

Technological forecasting

microwave indust. outlook, overview. *Staecker, P., T-MTT Mar 02 1034-1036*

microwave photonics, hist., current status & future prospects. *Seeds, A.J., T-MTT Mar 02 877-887*

microwave technol. in telecomm. syst., future directions. *Sobol, H., T-MTT Mar 02 1037-1038*

next-generation mil. commun., microwave indust. outlook. *Parker, D., T-MTT Mar 02 1039-1041*

phased-array technol., act. and pass., array implement., future trends. *Parker, D., +, T-MTT Mar 02 688-698*

wireless commun., future develop. *Webb, W., RFIC 02 7-11*

Telecommunication

1999 International Microwave and Optoelectronics Conference (special issue). *T-MTT Jan 02 1-93*

1999 International Microwave and Optoelectronics Conference (special issue intro.). *Hernandez-Figueroa, H.E., +, T-MTT Jan 02 1-3*

2002 IEEE Radio Frequency Integrated Circuit (RFIC) Symposium. *Lloyd, S., T-MTT Nov 02 2421*

2002 IEEE Radio Frequency Integrated Circuit (RFIC) Symposium (special issue). *T-MTT Nov 02 2421-2479*

government support for research in U.S. academic institutions. *Trew, R.J., +, T-MTT Mar 02 1028-1033*

microwave communication link with self-heterodyne direct down conversion and system predistortion. *Park, J., +, T-MTT Dec 02 3059-3063*

microwave indust. outlook, overview. *Staecker, P., T-MTT Mar 02 1034-1036*

multicarrier transm. systs., IMD charactn. *Naishadham, K., MWSYM 02 2193-2196 vol.3*

silicon-based RF and microwave integrated circuits (special issue). *T-MTT Jan 02 233-410*

silicon-based RF and microwave integrated circuits (special issue intro.). *Hajimiri, A., +, T-MTT Jan 02 233-234*

Telecommunication; cf. Bandlimited communication; Bandwidth allocation;

Data communication; Digital communication; Military communication; Mobile communication; Multimedia communication; Radiocommunication; Satellite communication; Telecommunication channels; Telecommunication computing; Telecommunication control; Telecommunication engineering education; Telecommunication equipment; Telecommunication standards

Telecommunication channels

wireless commun. systs., propag. prediction models, ray-tracing techs., review. *Iskander, M.F., +, T-MTT Mar 02 662-673*

Telecommunication channels; cf. Fading channels; Multipath channels**Telecommunication computing**

direct digital receiver, QPSK sig. decoding, learning algms. *Mireux, O., +, MWSYM 02 497-500 vol.1*

feedforward amp. for WCDMA base stations with adaptive control method. *Young Yun Woo, +, MWSYM 02 769-772 vol.2*

OC-192/OC-768 fiber opt. ICs, global layout model, quasistatic MoM. *Huang, C.-W.P., +, RFIC 02 97-100*

Telecommunication congestion control

subcarrier-based control implement. for opt. networking. *Willner, A.E., MWSYM 02 1687-1690 vol.3*

Telecommunication control

feedforward amp. for WCDMA base stations with adaptive control method. *Young Yun Woo, +, MWSYM 02 769-772 vol.2*

Telecommunication control; cf. Telecommunication congestion control**Telecommunication engineering education**

wireless professionals, microwave indust. outlook, manpower shortage, engng. education. *Besser, L., T-MTT Mar 02 1042-1043*

Telecommunication equipment

front-end syst.-level architectural design, modeling and anal. *Gielen, G.G.E., T-MTT Jan 02 360-368*

technol. develop./appls., milestones. *Sobol, H., +, T-MTT Mar 02 594-611*

transmit/receive IF chip set for WCDMA mobiles in 0.35- m CMOS. *Dasgupta, U., +, T-MTT Nov 02 2443-2452*

Telecommunication equipment; cf. Data communication equipment;

Demultiplexing equipment; Multiplexing equipment; Optical communication equipment; Radio equipment; Receivers; Telecommunication equipment testing; Telecommunication terminals; Transmitters

Telecommunication equipment testing

3G power amp. charactn., complex behavior test bed. *Boumaiza, S., +, MWSYM 02 2241-2244 vol.3*

microwave point-to-point outdoor unit optimized for ultra high vol. mfg. *Louhi, J.T., +, MWSYM 02 795-798 vol.2*

satellite repeater amp. charactn., large bandwidth NPR/modulated sig. meas. *Mallet, A., +, MWSYM 02 2245-2248 vol.3*

Telecommunication links; cf. Optical links; Radio links; Satellite links**Telecommunication network routing**

subcarrier-based control implement. for opt. networking. *Willner, A.E., MWSYM 02 1687-1690 vol.3*

Telecommunication networks; cf. Broadband networks; Personal

communication networks; Radio networks; Telecommunication network routing

Telecommunication standards

4G RF systs. on chip or on module, integrat. limit, mobile stds. *Belot, D., RFIC 02 199-202*

5-GHz CMOS WLAN stds. & receiver implement. *Lee, T.H., +, T-MTT Jan 02 268-280*

Bluetooth 6.5-mW receiver front-end in 0.18- m CMOS. *Beffa, F., +, RFIC 02 391-394*

broadband integrated LTCC front-end module, IEEE 802.11a WLAN appls. *Lee, C.-H., +, MWSYM 02 1045-1048 vol.2*

SOI based MMICs for C-band WLAN appls. *Pinel, S., +, MWSYM 02 1053-1056 vol.2*

Telecommunication standards; cf. SONET**Telecommunication switching; cf.** Multiplexing**Telecommunication terminals**

SiGe BiCMOS TX-IC, W-CDMA mobile terminal. *Joba, H., +, RFIC 02 27-30*

W-CDMA mobile terminal, integrated even harmonic type direct conversion receiver. *Itoh, K., +, RFIC 02 263-266*

W-CDMA mobile terminals, integrated even harmonic type direct conversion receiver. *Itoh, K., +, MWSYM 02 9-12 vol.1*

Telecommunication terminals; cf. Telephone sets**Telemedicine**

telemedicine systs., wireless commun. in healthcare, microwave indust. outlook. *Schepps, J., +, T-MTT Mar 02 1044-1045*

Telemetry; cf. Automatic meter reading; Biomedical telemetry;

Radiotelemetry

Telephone equipment; cf. Cordless telephone systems; Telephone sets**Telephone sets**

3G UMTS/WCDMA handset RF subsyst., BiCMOS chipset. *Brunel, D., +, RFIC 02 191-194*

BiCMOS ICs, high perform. in 0.18 m proc. for wireless appls. *Peihua Ye, +, MWSYM 02 175-178 vol.1*

CMOS power amp., digital adaptive predistortion, cellular phone. *Kusunoki, S., +, MWSYM 02 765-768 vol.2*

DCS 1800 base station receiver integrated in 0.25 m CMOS. *Boric-Lubecke, O., +, MWSYM 02 1049-1052 vol.2*

direct conversion receiver design, mobile phone syst. *Ali, F., RFIC 02 21-22*

GaAs-on-Si power amp., wireless handset. *Escalera, N., +, MWSYM 02 1031-1034 vol.2*

GSM/EDGE dual-mode, 900/1800/1900-MHz triple-band HBT MMIC power amp. module. *Yamamoto, K., +, RFIC 02 245-248*

InGaP/GaAs broadband monolithic HBT power amps. for 3G handset appls. *Jager, H., +, MWSYM 02 1035-1038 vol.2*

InGaP PHEMTs for 3.5 GHz W-CDMA appls. *Lan, E., +, MWSYM 02 1039-1042 vol.2*

mobile handset transmitter unit, high-efficiency lin. power amps. *Staudinger, J., RFIC 02 45-48*

- MSM5100 cdma2000+AMPS+gpsOne+Bluetooth multimode ASIC, 3G handset. *Butler, B.K.*, +, *RFIC 02* 186A-186F
 WCDMA and CDMA power amps., efficiency. *Fowler, T.*, +, *RFIC 02* 41-44
- Television; cf.** Cable television; Digital television
- Temperature; cf.** Ferroelectric Curie temperature; Plasma temperature; Temperature distribution
- Temperature distribution**
 AlGaIn/GaN power HEMTs, RF perform./thermal anal., self-heating effects. *Nuttinck, S.*, +, *MWSYM 02* 921-924 vol.2
 biological tissues, temp. distrib. profile, multifreq. microwave thermography. *Stec, B.*, +, *MWSYM 02* 2261-2264 vol.3
 dual-mode antenna, microwave hyperthermia, multifrequency radiometry. *Jacobsen, S.*, +, *T-MTT Jul 02* 1737-1746
 frozen packed beds, microwave melting, rect. waveguide appl. *Ratanadecho, P.*, +, *T-MTT Jun 02* 1495-1502
 microwave oven, heating proc. modeling, heat radiation effects. *Haala, J.*, +, *T-MTT May 02* 1346-1354
 RF-MEM-switches, thermal effects anal., FDTD method. *Thiel, W.*, +, *MWSYM 02* 235-238 vol.1
- Temperature measurement**
 biological tissues, temp. distrib. profile, multifreq. microwave thermography. *Stec, B.*, +, *MWSYM 02* 2261-2264 vol.3
 dual-mode antenna, microwave hyperthermia, multifrequency radiometry. *Jacobsen, S.*, +, *T-MTT Jul 02* 1737-1746
 InGaP/GaAs HBTs, jn. temp./thermal resist. estim. *Olavsbraten, M.*, *MWSYM 02* 1005-1008 vol.2
- Tensors**
 coplanar ferroelec. thin-film devices, anisotropic permitt./atten. from propag. consts., full-wave Green's fn. solver. *Krowne, C.M.*, +, *T-MTT Feb 02* 537-548
- Test equipment**
 complex permitt. of brain tissues, charactn. up to 50 GHz using two-port microstrip test fixture. *Tofighi, M.-R.*, +, *T-MTT Oct 02* 2217-2225
 contactless probing of HF elec. sigs. using SPM. *Merlin, W.*, *MWSYM 02* 1493-1496 vol.3
 NWA based on photonic techs. and act. photonic probes for on-wafer meas. *Nagatsuma, T.*, +, *MWSYM 02* 1497-1500 vol.3
 RF mixers, vector charactn./test syst. vector error correction method. *Dunsmore, J.*, *MWSYM 02* 1833-1836 vol.3
- Test equipment; cf.** Automatic test equipment
- Test facilities; cf.** Anechoic chambers (electromagnetic)
- Testing; cf.** Antenna testing; Electron device testing; Electronic equipment testing
- Thermal analysis**
 AlGaIn/GaN power HEMTs, RF perform./thermal anal., self-heating effects. *Nuttinck, S.*, +, *MWSYM 02* 921-924 vol.2
 characterization and modeling of bias dependent breakdown and self-heating in GaInP/GaAs power HBT to improve high power amplifier design. *Heckmann, S.*, +, *T-MTT Dec 02* 2811-2819
 global coupled EM-electrical-thermal simulation and experimental validation for spatial power combining MMIC array. *Batty, W.*, +, *T-MTT Dec 02* 2820-2833
 multi-fingered PHEMTs, electrothermal modeling. *Byk, E.*, +, *MWSYM 02* 2085-2088 vol.3
 RF MEMS capacitive switches, steady state thermal anal. and high-power reliab. considerations. *Rizk, J.B.*, +, *MWSYM 02* 239-243 vol.1
 RF-MEM-switches, thermal effects anal., FDTD method. *Thiel, W.*, +, *MWSYM 02* 235-238 vol.1
 spatial power combining MMIC array, global coupled EM-elec.-thermal simul. *Batty, W.*, +, *MWSYM 02* 2177-2180 vol.3
- Thermal management (packaging)**
 AlN HBT, Ku-band power amp., flip-chip mounting. *Vendier, O.*, +, *MWSYM 02* 1389-1392 vol.3
 microwave HTSC technol., appls. overview. *Mansour, R.R.*, *T-MTT Mar 02* 750-759
- Thermal noise**
 AlGaAs/GaAs HBTs, microwave noise sources, scatt. params. *Sakalas, P.*, +, *MWSYM 02* 2117-2120 vol.3
 CMOS VCO RF perform., hot carrier & soft-breakdown effects. *Enjun Xiao*, +, *RFIC 02* 459-462
 MEMS-based ccts. & phase shifters, phase noise anal. *Rebeiz, G.M.*, *T-MTT May 02* 1316-1323
 SiGe BiCMOS LNA & mixer, high lin., cellular CDMA/AMPS appl. *Aparin, V.*, +, *RFIC 02* 129-132
- Thermal resistance measurement**
 InGaP/GaAs HBTs, jn. temp./thermal resist. estim. *Olavsbraten, M.*, *MWSYM 02* 1005-1008 vol.2
- Thermal variables measurement; cf.** Temperature measurement; Thermal resistance measurement
- Thermionic electron emission**
 heterodimensional contacts, barrier enhancement mechanisms, effect on current transport. *Anwar, A.*, +, *T-MTT Jan 02* 68-71
- Thermionic emission; cf.** Thermionic electron emission
- Thermoelectric devices**
 GaAs thermoelec. microwave power sens., broadband/MMIC compatible, using std. foundry proc. *Dehe, A.*, +, *MWSYM 02* 1829-1832 vol.3
- Thick film circuits**
 C-band oscillator using high-Q inductors embedded in multi-layer organic packaging. *Yoon, S.-W.*, +, *MWSYM 02* 703-706 vol.2
 hybrid power amp. module, 20 W, 2080-2200 MHz, optimized for error amp. appls. *Crescenzi, E.J., Jr.*, *MWSYM 02* 613-616 vol.2
 X-band microstrip bandpass filter using photoimageable thick-film materials. *Ng, C.Y.*, +, *MWSYM 02* 2209-2212 vol.3
- Thick film devices**
 inverted coplanar coupler, integral microstrip interface, bias crossover. *Crescenzi, E.J., Jr.*, *MWSYM 02* 1169-1172 vol.2
- Thick film devices; cf.** Thick film circuits
- Thickness measurement**
 impulse ground penetrating radar, pavement NDE. *Jeong Soo Lee*, +, *MWSYM 02* 1361-1363 vol.2
- Thin film capacitors**
 (Ba,Sr)TiO₃ thin film, parallel plate capacitor, microwave meas. *Zhang Jin*, +, *MWSYM 02* 1201-1204 vol.2
 RFIC pass. devices develop., VCO simul., cct. perform. *Coolbaugh, D.*, +, *RFIC 02* 341-344
- Thin film circuits**
 W-band flip-chip interconnects on thin-film substr. *Schmuckle, F.J.*, +, *MWSYM 02* 1393-1396 vol.3
- Thin film devices**
 TFBAR filter, wireless commun. *Kim, K.W.*, +, *MWSYM 02* 1181-1184 vol.2
- Thin film devices; cf.** Magnetic thin film devices; Thin film capacitors; Thin film circuits; Thin film resistors
- Thin film resistors**
 RFIC pass. devices develop., VCO simul., cct. perform. *Coolbaugh, D.*, +, *RFIC 02* 341-344
 poly-SiGe:B resistors, LF noise rel. to B doping/Ge content. *Kun-Ming Chen*, +, *MWSYM 02* 405-408 vol.1
- Thin films; cf.** Dielectric thin films; Superconducting thin films
- Three-dimensional displays**
 efficient analysis of microwave passive structures using 3-D envelope-finite element (EVFE). *Tsai, H.-P.*, +, *T-MTT Dec 02* 2721-2727
- Thyristor applications; cf.** Thyristor circuits
- Thyristor circuits**
 CMOS RFIC, ESD protection device, Bluetooth transceiver LNA. *Higashi, K.*, +, *RFIC 02* 285-288
- Thyristors**
 ESD protection of RF ccts. in std. CMOS proc. *Higashi, K.*, +, *MWSYM 02* 31-34 vol.1
- Time division multiplexing**
 battle phases, time- and freq.-multiplexed basis. *Spezio, A.E.*, *T-MTT Mar 02* 633-644
- Time-domain analysis**
 3D structs., wideband EM response, Laguerre series expansion. *Sarkar, T.K.*, +, *MWSYM 02* 1989-1992 vol.3
 act. nonlin. microwave ccts., finite-element time-domain soln. using PMLs. *Hsiao-Ping Tsai*, +, *T-MTT Oct 02* 2226-2232
 digital ICs, 40 Gb, time-domain waveform meas., cable/connector dispersion removal. *Scott, J.*, +, *MWSYM 02* 1669-1672 vol.3
 distributed transm. line networks, time-domain pass. macromodels. *Dounavis, A.*, +, *MWSYM 02* 975-978 vol.2
 efficient analysis of microwave passive structures using 3-D envelope-finite element (EVFE). *Tsai, H.-P.*, +, *T-MTT Dec 02* 2721-2727
 EM/cct. co-optim. of lumped component and phys. layout params. using generalized layout components. *Sercu, J.*, +, *MWSYM 02* 2073-2076 vol.3
 EM pulse transient interact. with air layer in dielec. medium using wavelet-based implicit TDIE formulation. *Shifman, Y.*, +, *T-MTT Aug 02* 2018-2022
 enhanced on-wafer time-domain waveform measurement through removal of interconnect dispersion and measurement instrument jitter. *Scott, J.B.*, +, *T-MTT Dec 02* 3022-3028
 first higher order microstrip mode, charact. impedance and propag. in freq. and time domain. *Shyue-Dar Chen*, +, *T-MTT May 02* 1370-1379
 generation of optimal microwave topologies using time-domain field synthesis. *Bakr, M.H.*, +, *T-MTT Nov 02* 2537-2544
 IEEE microwave symposium, conf., Seattle, WA, USA (Jun 02). *MWSYM-02* 3 vol.(lxxxii+xxiii+xxv+2272)
 Ka-band coupled-cavity TWT amps. for mil. radar and commercial satellite commun. *Legarra, J.R.*, +, *MWSYM 02* 625-628 vol.2
 lossy nonuniform transm. lines, modeling by using differential quadrature methods. *Qinwei Xu*, +, *T-MTT Oct 02* 2233-2246
 MESFET, act. microwave device, global model. *Hussein, Y.A.*, +, *MWSYM 02* 743-746 vol.2

- microwave guided wave struct., 3D envelope-finite element tech. *Hsiao-Ping Tsai*, +, *MWSYM* 02 755-758 vol.2
- multiport ccts., equiv. cct. models. *Neumayer, R.*, +, *MWSYM* 02 721-724 vol.2
- multiresolution time-domain scheme for microwave struct., multiple image tech., anisotropic perfectly matched layer. *Qunsheng Cao*, +, *T-MTT Jun* 02 1578-1589
- new termination condition for appl. of TLM method to discontinuity problems in closed homog. waveguide. *Pierantoni, L.*, +, *T-MTT Nov* 02 2513-2518
- nonlin. oscillator, phase-noise anal., time-domain/freq.-domain approaches. *Suarez, A.*, +, *T-MTT Oct* 02 2353-2361
- photodetector and photomixer ccts., convolution-based global simul. *Ameen, D.B.*, +, *T-MTT Oct* 02 2253-2258
- planar ccts./MEMS, time/freq. domain modeling using EM solvers, efficiency comparisons. *Pierantoni, L.*, +, *MWSYM* 02 891-894 vol.2
- scatt. anal., multiresolution time-domain algm., compact wavelet systs. *Dogaru, T.*, +, *T-MTT Jul* 02 1752-1760
- Si high resist. substr. sampling cct., nonlin. transm. lines. *Abele, P.*, +, *MWSYM* 02 1681-1684 vol.3
- SPICE-TLM interconnection framework, time domain cct. modeling. *So, P.P.M.*, +, *MWSYM* 02 1123-1126 vol.2
- wideband EM response through Laguerre expansion using early-time and LF data. *Sarokr, T.K.*, +, *T-MTT May* 02 1408-1416
- Time-domain analysis; cf.** Finite difference time-domain analysis
- Time-domain reflectometry**
- first higher order microstrip mode, charact. impedance and propag. in freq. and time domain. *Shyue-Dar Chen*, +, *T-MTT May* 02 1370-1379
- high-speed ccts., parallel-plate noise suppression, metallic EM band-gap struct. *Abhari, R.*, +, *MWSYM* 02 493-496 vol.1
- time-domain reflectometry using arbitrary incident waveforms. *Te-Wen Pan*, +, *T-MTT Nov* 02 2558-2563
- Time-domain synthesis**
- 3D symmetric condensed node TLM, time domain field synthesis. *Bakr, M.H.*, +, *MWSYM* 02 1131-1134 vol.2
- Time of flight spectrometers**
- T-ray imaging, far-IR syst. *Mittleman, D.M.*, *MWSYM* 02 1575-1578 vol.3
- Time series**
- near field to far field time domain transform. for FDTD in two dimens., transient response. *Feng Xu*, +, *MWSYM* 02 2057-2060 vol.3
- Time-varying networks**
- simultaneous conjug.-matched mixer, RF and IF ports matching cct. synthesis, quasi-lin. approach. *Yew Hui Liew*, +, *T-MTT Sep* 02 2056-2062
- Time-varying systems; cf.** Time-varying networks
- Timing**
- picosecond imaging cct. anal. of ULSI. *P. Mc Manus, M.K.*, +, *MWSYM* 02 1505-1508 vol.3
- Timing jitter**
- CDMA receiver, adaptive antenna array, LO phase noise. *Slade, G.W.*, *MWSYM* 02 1353-1356 vol.2
- CMOS VCO RF perform., hot carrier & soft-breakdown effects. *Enjun Xiao*, +, *RFIC* 02 459-462
- hot-carrier and soft-breakdown effects on VCO performance. *Enjun Xiao*, +, *T-MTT Nov* 02 2453-2458
- Titanium compounds**
- AlTiO_x high-K dielec., RF MIM capacitor. *Chen, S.B.*, +, *MWSYM* 02 201-204 vol.1
- Tomography**
- concrete struct., damage detect., microwave refl. tomography array. *Yoo Jin Kim*, +, *MWSYM* 02 651-654 vol.2
- Topology**
- new 2-D image reconstruction algorithm based on FDTD and design sensitivity analysis. *Kang, N.-W.*, +, *T-MTT Dec* 02 2734-2740
- Topology; cf.** Network topology
- Traffic control; cf.** Automated highways
- Training**
- Asia-Pacific region microwave educ. & R&D initiatives. *Yamashita, E.*, +, *T-MTT Mar* 02 1046-1055
- Transceivers**
- 5-GHz CMOS WLAN stds. & receiver implement. *Lee, T.H.*, +, *T-MTT Jan* 02 268-280
- Bluetooth 6.5-mW receiver front-end in 0.18- μ m CMOS. *Beffa, F.*, +, *RFIC* 02 391-394
- Bluetooth transceiver IC, Cu RF pass. components. *My The Doan*, +, *MWSYM* 02 525-528 vol.1
- bond-wire inductor-MOS varactor VCO, 1.8-2.4 GHz tunable. *Svelto, F.*, +, *T-MTT Jan* 02 403-407
- broadband integrated LTCC front-end module, IEEE 802.11a WLAN appls. *Lee, C.-H.*, +, *MWSYM* 02 1045-1048 vol.2
- broadband RF front-end for direct conversion transceivers, 0.9-2.6 GHz, low-noise variable gain amp. *Kawashima, M.*, +, *MWSYM* 02 927-930 vol.2
- broadband T/R module for phased array appls. in wireless commun. *Chunlei Wang*, +, *MWSYM* 02 1325-1328 vol.2
- cellular RF transceiver front-end, CMOS use, LV low power design. *Steyaert, M.S.J.*, +, *T-MTT Jan* 02 281-287
- CMOS Bluetooth transceiver IC with Cu RF pass., fab. and perform. *Doan, M.T.*, +, *RFIC* 02 415-418
- CMOS dual-band freq. synthesizer, 2.3/4.6 GHz, wireless appls. *Wei-Zen Chen*, +, *RFIC* 02 169-172
- CMOS gain controllable LNAs, 8-9 GHz wireless appls., very LV circuitry. *Tsang, T.K.K.*, +, *RFIC* 02 205-208
- CMOS quadrature VCO, 2.4 GHz, spiral inductors & differential varactors. *Baoyong Chi*, +, *RFIC* 02 451-454
- CMOS RFIC, ESD protection device, Bluetooth transceiver LNA. *Higashi, K.*, +, *RFIC* 02 285-288
- CMOS transceiver chip components for 802.11b WLAN appl. *O, K.K.*, +, *RFIC* 02 103-106
- CMOS transceiver for digital narrowband cordless syst., std. IF or low IF RX. *Jerng, A.*, +, *RFIC* 02 111-114
- CMOS transmit/receive IF chip-set for WCDMA mobiles. *Dasgupta, U.*, +, *RFIC* 02 195-198
- delta-sigma data converters and use in wireless transceivers. *Galton, I.*, *T-MTT Jan* 02 302-315
- FMCW radar transceiver, bal. FET cct., AM noise. *Fager, C.*, +, *T-MTT Apr* 02 1224-1227
- front-end CMOS chipset for 10 Gbit/s opt. commun. *Petersen, A.K.*, +, *RFIC* 02 93-96
- GaAs PHEMT LNA and VCO 3D MMICs for V-band single-chip transceiver. *Nishikawa, K.*, +, *MWSYM* 02 1717-1720 vol.3
- GSM direct conversion transceiver, RF LO. *Magoon, R.*, +, *RFIC* 02 23-26
- GSM/PCN dual band variable gain low noise RF down conversion mixer. *Bonkee Kim*, +, *RFIC* 02 137-140
- HEMT voltage controlled bi-directional amps. in support of component reuse for large aperture phase array. *Yang, J.M.*, +, *MWSYM* 02 65-68 vol.1
- high-speed fiber optic data links, component design aspects. *Mader, T.*, *RFIC* 02 81-84
- IEEE microwave symposium, conf., Seattle, WA, USA (Jun 02). *MWSYM* 02 3 vol.(lxxxii+xxiii+xxv+2272)
- image rejection/spurious rejection mixers using digital compensation, archit./algm. *Youngjin Kim*, +, *MWSYM* 02 799-802 vol.2
- Ka-band 156 Mbps transceiver for WLAN syst. using PTFE/FR-4 laminated MCMS. *Takahashi, K.*, +, *MWSYM* 02 787-790 vol.2
- low cost RF transceiver ICs, pass. elements modeling, ASITIC, lumped-element equiv. cct. models. *Niknejad, A.M.*, *MWSYM* 02 149-152 vol.1
- organic wafer-level packaging platform for highly integrated RF transceivers. *Ramachandran, R.*, +, *MWSYM* 02 1401-1404 vol.3
- PCS/IMT-2000 2-GHz RF frontend transceiver chipset, CMOS technol. *Yong-Sik Youn*, +, *RFIC* 02 271-274
- RF front-end transceiver chipset, 2 GHz, PCS and IMT-2000 appls. *Yong-Sik Youn*, +, *MWSYM* 02 17-20 vol.1
- RF-interconnect for multi-Gb/s digital interface based on 10 GHz RF-modulation in 0.18 μ m CMOS. *Hyunchol Shin*, +, *MWSYM* 02 477-480 vol.1
- satellite commun., X-band APAA syst., T/R module. *Young-Bae Jung*, +, *MWSYM* 02 1337-1340 vol.2
- SAW front end modules for GSM cellular phones with direct-conversion demodulation. *Hikita, M.*, +, *MWSYM* 02 1483-1486 vol.3
- SiGe BiCMOS LNA, high lin., wide bandwidth, WLAN appl. *Sadowy, J.*, +, *RFIC* 02 217-220
- SiGe BiCMOS octave tunable RC-ring oscillator for fiber optic transceivers. *Sanduleanu, M.A.T.*, +, *RFIC* 02 435-438
- SiGe BiCMOS RC-ring oscillator, fiber optic transceiver. *Sanduleanu, M.A.T.*, +, *MWSYM* 02 545-548 vol.1
- SiGe quadrature VCO, fully monolithic design, GSM/DCS-PCS appl. *Cordeau, D.*, +, *RFIC* 02 455-458
- SiGe transceiver chipset for 100 Mbps/1 Gbps digital commun. over CATV. *Alexanian, A.*, +, *RFIC* 02 119-122
- Si two-port & three-port inductors, freq. depend. losses modeling. *Kamgaing, T.*, +, *RFIC* 02 307-310
- SOI based MMICs for C-band WLAN appls. *Pinel, S.*, +, *MWSYM* 02 1053-1056 vol.2
- submillimeter-wave polarimetric compact ranges for scale-model radar meas. *Coulombe, M.*, +, *MWSYM* 02 1583-1586 vol.3
- transmit/receive IF chip set for WCDMA mobiles in 0.35- μ m CMOS. *Dasgupta, U.*, +, *T-MTT Nov* 02 2443-2452
- W-CDMA mobile radio terminals, highly integrated RFICs, review. *Springer, A.*, +, *T-MTT Jan* 02 254-267
- Transducers; cf.** Piezoelectric transducers
- Transfer functions**
- MMIC act. phase shifter struct., tunable all-pass filter. *Viveiros, D., Jr.*, +, *T-MTT Aug* 02 1885-1889
- nonuniform transm. lines, wide-band equal-ripple filters. *Da-Chiang Chang*, +, *T-MTT Apr* 02 1114-1119

- RF power amps. with memory effects, behavioral model, two-tone meas. *Hyunchul Ku, +, MWSYM 02 139-142 vol.1*
- simultaneous conjug.-matched mixer, RF and IF ports matching cct. synthesis, quasi-lin. approach. *Yew Hui Liew, +, T-MTT Sep 02 2056-2062*
- Transformers**
- Si based monolithic integrated transformers, substr. RF losses. *Ng, K.T., +, T-MTT Jan 02 377-383*
- Transformers; cf.** High-frequency transformers
- Transforms**
- microstrip substr., 2D Green's fns., Berenger/leaky modes series. *Rogier, H., +, T-MTT Jul 02 1696-1704*
- Transforms; cf.** Hankel transforms; Poincare mapping; Wavelet transforms; Z transforms
- Transient analysis**
- EM problems in terms of collinear vector pot. *Georgieva, N.K., T-MTT Aug 02 1950-1959*
- EM pulse transient interact. with air layer in dielec. medium using wavelet-based implicit TDIE formulation. *Shifman, Y., +, T-MTT Aug 02 2018-2022*
- EM-wave propag., inhomog. media, split-field/anisotropic medium PML-FDTD implement. *Teixeira, F.L., +, T-MTT Jan 02 30-35*
- lossy nonuniform trans. lines, modeling by using differential quadrature methods. *Qinwei Xu, +, T-MTT Oct 02 2233-2246*
- multiconductor trans. line, transient simul., structural aspects of model, digital ccts. *Condon, M., MWSYM 02 2065-2068 vol.3*
- universal parameterized nonlin. device model formulation for microwave cct. simul. *Christoffersen, C.E., +, MWSYM 02 2189-2192 vol.3*
- Transient response**
- distributed trans. line networks, time-domain pass. macromodels. *Dounavis, A., +, MWSYM 02 975-978 vol.2*
- high-bandwidth sampling oscilloscope calib., NPL optoelectronic syst. *Smith, A.J.A., +, MWSYM 02 1501-1504 vol.3*
- near field to far field time domain transform. for FDTD in two dims., transient response. *Feng Xu, +, MWSYM 02 2057-2060 vol.3*
- SSPAs, behavioral model taking into account nonlin. memory effects and transient behaviors. *Soury, A., +, MWSYM 02 853-856 vol.2*
- Transients**
- GaAs p-HEMT MMIC 8 GHz transient sig. digitizer, charactn. *Ghis, A., +, MWSYM 02 1673-1676 vol.3*
- HIPERLAN/2 syst., OFDM power-amp. transient tracking. *Bateman, D., +, MWSYM 02 803-806 vol.2*
- Transistor circuits; cf.** Bipolar transistor circuits; Field effect transistor circuits
- Transistors**
- prediction of IMD in LDMOS transistor amplifiers using new large-signal model. *Fager, C., +, T-MTT Dec 02 2834-2842*
- Transistors; cf.** Bipolar transistors; Field effect transistors; Microwave transistors; Millimeter wave transistors; Phototransistors; Power transistors; UHF transistors
- Transition metal alloys; cf.** Cobalt alloys; Niobium alloys; Zirconium alloys
- Transition metal compounds; cf.** Titanium compounds; Yttrium compounds
- Transition metals; cf.** Copper; Gold; Iron; Silver
- Transition radiation**
- RF vac. electronics, hist. & recent advances. *Parker, R.K., +, T-MTT Mar 02 835-845*
- Transit time devices; cf.** IMPATT diodes
- Transmission**
- design of high-speed master-slave D-Type flip-flop in InP DHBT technology. *Kasbari, A.-E., +, T-MTT Dec 02 3064-3069*
- Transmission; cf.** Electromagnetic wave transmission
- Transmission line matrix methods**
- 3D SCN TLM method, Z-transform-based ABC. *Zhenhai Shao, +, T-MTT Jan 02 222-225*
- discontinuities investig., TLM-based modal-extraction approach. *Ghosh, B., +, T-MTT Oct 02 2294-2304*
- electronic packaging structs., vert. via coupling, differential signaling. *Houfei Chen, +, MWSYM 02 983-986 vol.2*
- generation of optimal microwave topologies using time-domain field synthesis. *Bakr, M.H., +, T-MTT Nov 02 2537-2544*
- multilayer conductor, surface impedance, FDTD model. *Thiel, W., +, MWSYM 02 759-762 vol.2*
- multistrip trans. lines, EM eigenvalue problems. *Mrozowski, M., +, T-MTT Oct 02 2409-2411*
- new termination condition for appl. of TLM method to discontinuity problems in closed homog. waveguide. *Pierantoni, L., +, T-MTT Nov 02 2513-2518*
- planar ccts./MEMS, time/freq. domain modeling using EM solvers, efficiency comparisons. *Pierantoni, L., +, MWSYM 02 891-894 vol.2*
- planar filter design using 0 feed struct., lumped-cct. model. *Chih-Ming Tsai, +, T-MTT Oct 02 2362-2367*
- SPICE-TLM interconnection framework, time domain cct. modeling. *So, P.P.M., +, MWSYM 02 1123-1126 vol.2*
- TLM-SPICE interconnection framework for coupled field and circuit analysis in time domain. *So, P.P.M., +, T-MTT Dec 02 2728-2733*
- Trefftz FEM for comput. EM, TLM method. *Shlepnev, Y.O., T-MTT May 02 1328-1339*
- Transmission lines**
- addressing transient errors in passive macromodels of distributed transmission-line networks. *Dounavis, A., +, T-MTT Dec 02 2759-2768*
- danger of high-frequency spurious effects on wide microstrip line. *Mesa, F., +, T-MTT Dec 02 2679-2689*
- freq. tripler, symm. varactor, C-V charact. *Duchamp, J.M., +, MWSYM 02 359-362 vol.1*
- High-performance air-gap transmission lines and inductors for millimeter-wave applications. *Jeong, I., +, T-MTT Dec 02 2850-2855*
- IEEE microwave symposium, conf., Seattle, WA, USA (Jun 02). *MWSYM-02 3 vol.(lxxxii+xxiii+xxv+2272)*
- planar negative refractive index media using periodically L-C loaded transmission lines. *Eleftheriades, G.V., +, T-MTT Dec 02 2702-2712*
- silicon-based RF and microwave integrated circuits (special issue). *T-MTT Jan 02 233-410*
- silicon-based RF and microwave integrated circuits (special issue intro.). *Hajimiri, A., +, T-MTT Jan 02 233-234*
- Transmission lines; cf.** Coplanar transmission lines; Coupled transmission lines; High-frequency transmission lines; Multiconductor transmission lines; Waveguides
- Transmission line theory**
- 3D symmetric condensed node TLM, time domain field synthesis. *Bakr, M.H., +, MWSYM 02 1131-1134 vol.2*
- arbitrarily terminated nonuniform trans. lines, synthesis, pot. fn., Cauchy data. *Xiao, G., +, T-MTT Aug 02 2025-2028*
- complex loads, impedance matching, nonuniform trans. lines. *Gaobiao Xiao, +, T-MTT Jun 02 1520-1525*
- cylindrically stratified media, microwave imaging, anal. method. *Akhtar, M.J., +, MWSYM 02 2005-2008 vol.3*
- cylindrical trans. line, magnetized ferrite substr., dispersion anal. *Dib, N., +, T-MTT Jul 02 1730-1736*
- distributed trans. line networks, time-domain pass. macromodels. *Dounavis, A., +, MWSYM 02 975-978 vol.2*
- first higher order microstrip mode, charact. impedance and propag. in freq. and time domain. *Shyue-Dar Chen, +, T-MTT May 02 1370-1379*
- GaAs MESFET distributed baseband ICs using artificial-line-division tech. and 3D trans. lines. *Kimura, S., +, T-MTT Jun 02 1603-1608*
- high-speed digital syst., eye pattern, MTL model. *Antonini, G., +, T-MTT Jul 02 1807-1815*
- lossy nonuniform trans. lines, modeling by using differential quadrature methods. *Qinwei Xu, +, T-MTT Oct 02 2233-2246*
- lossy trans. lines, steady-state skin-effect anal., FEM-based reduced-order model. *Bertazzi, F., +, MWSYM 02 2025-2028 vol.3*
- multiconductor trans. lines, full-wave anal./modeling via 2D FDTD/sig.-proc. techs. *Feng Liu, +, T-MTT Feb 02 570-577*
- multilayered PC trans. lines, leakage anal., discrete complex-images tech. *Bernal, J., +, T-MTT Aug 02 1895-1900*
- multistrip trans. lines, EM eigenvalue problems, full-wave anal. *Casanueva, A., +, T-MTT Jan 02 36-40*
- mutual coupling between discontinuities in planar ccts. *Van Thienen, B.L.A., +, T-MTT Jan 02 155-164*
- narrow-band matching networks for quasi-TEM coupled microstrip lines. *Nickel, J.G., +, T-MTT May 02 1392-1399*
- neg. refr. index metamaterials supporting 2-D waves. *Iyer, A.K., +, MWSYM 02 1067-1070 vol.2*
- nonuniform trans. lines, wide-band equal-ripple filters. *Da-Chiang Chang, +, T-MTT Apr 02 1114-1119*
- open PC trans. lines, spectral-domain anal. of leaky modes. *Mesa, F., +, T-MTT Oct 02 2267-2275*
- PC lines, evol. of leaky modes. *Mesa, F., +, T-MTT Jan 02 94-104*
- planar trans. line, metallic loss, FDFD anal. *Kunze, M., +, T-MTT May 02 1275-1279*
- reconfigurable quasi-fractal trans. line struct. *Sor, J., +, MWSYM 02 665-668 vol.2*
- ring resonators, closed/open-loop, equiv. lumped elements/unloaded Q values. *Lung-Hwa Hsieh, +, T-MTT Feb 02 453-460*
- symmetric coupled-microstrip systs., longit. multiconductor trans. line fns. investig. *Nickel, J.G., +, T-MTT Jan 02 183-190*
- Transmission line theory; cf.** Method of lines; Transmission line matrix methods
- Transmitters**
- high perform. microwave power modules for mil. and commercial systs. *Basten, M., +, MWSYM 02 629-632 vol.2*
- near-ideal RF upconverters. *Vasudev, N., +, T-MTT Nov 02 2569-2575*
- Transmitters; cf.** Optical transmitters; Radar transmitters; Radio transmitters
- Transmitting antennas**
- GSM base-station antenna, human exposure eval., multiple-region/FDTD method. *Bernardi, P., +, MWSYM 02 1747-1750 vol.3*
- MM-wave spatial power combining, cct.-fed tile-approach config. *Gouker, M.A., +, T-MTT Jan 02 17-21*

- review of act. integrated antenna technols. *Chang, K.*, +, *T-MTT Mar 02* 937-944
- X-band integrated class-E oscillating annular ring element for high-efficiency transmitting arrays. *Hagerty, J.A.*, +, *MWSYM 02* 1317-1320 vol.2
- Transparency**
integrated antenna array, transparent conductive thin film. *Oshima, K.*, +, *MWSYM 02* 1569-1572 vol.3
- Transponders**
adaptive multi-functional array for wireless sens. systs., reconfigurable phased array commun. *Miyamoto, R.Y.*, +, *MWSYM 02* 1369-1372 vol.2
freq. autonomous retrodirective array transponder. *Leong, K.M.K.H.*, +, *MWSYM 02* 1349-1352 vol.2
high-speed fiber optic data links, component design aspects. *Mader, T.*, *RFIC 02* 81-84
satellite transponder, Ku-band receiver/downconverter. *Jin-Cheol Jeong*, +, *MWSYM 02* 1257-1260 vol.2
- Transport processes; cf.** Carrier density; Carrier lifetime; Carrier mobility; Electrical conductivity
- Traveling wave amplifiers**
high perform. microwave power modules for mil. and commercial systs. *Basten, M.*, +, *MWSYM 02* 629-632 vol.2
Ka-band coupled-cavity TWT amps. for mil. radar and commercial satellite commun. *Legarra, J.R.*, +, *MWSYM 02* 625-628 vol.2
lin. technol. *Tong Chen*, +, *MWSYM 02* 773-776 vol.2
multioctave spatial power combining in oversized coaxial waveguide. *Pengcheng Jia*, +, *T-MTT May 02* 1355-1360
perform. eval./design optim. for multi-level digital commun. appls. *Qiu, J.*, +, *MWSYM 02* 457-460 vol.1
RF vac. electronics, hist. & recent advances. *Parker, R.K.*, +, *T-MTT Mar 02* 835-845
two-tone meas. tech. for microwave power-amp. charactn. *Clark, C.J.*, +, *T-MTT Jun 02* 1590-1602
- Traveling wave amplifiers; cf.** Semiconductor optical amplifiers
- Traveling wave tubes**
high perform. microwave power modules for mil. and commercial systs. *Basten, M.*, +, *MWSYM 02* 629-632 vol.2
Ka-band coupled-cavity TWT amps. for mil. radar and commercial satellite commun. *Legarra, J.R.*, +, *MWSYM 02* 625-628 vol.2
microfabrication, high-power wideband THz radiation. *Kory, C.L.*, +, *MWSYM 02* 1265-1268 vol.2
RF vac. electronics, hist. & recent advances. *Parker, R.K.*, +, *T-MTT Mar 02* 835-845
- Traveling wave tubes; cf.** Slow wave structures
- Trees (mathematics)**
mixed-sig. IC interconnects, EM modeling, num. stable methodology. *Rong, A.*, +, *MWSYM 02* 1893-1896 vol.3
- Tropospheric electromagnetic wave propagation**
HF/VHF/UHF systs. and technol., appls. *Raab, F.H.*, +, *T-MTT Mar 02* 888-899
- Tumors**
breast tumor detect., confocal microwave imaging, hemispherical breast model. *Fear, E.C.*, +, *MWSYM 02* 1759-1762 vol.3
- Tuning**
BaSrTiO₃/sapphire refl.-type phase shifter, monolithic, using CPW Lange coupler. *Dongsu Kim*, +, *MWSYM 02* 1471-1474 vol.3
computer-aided tuning of microwave filters using fuzzy logic. *Miraftab, V.*, +, *T-MTT Dec 02* 2781-2788
dual-mode filters with grooved dielec. resonator loaded cavity for cellular radio base-stations. *Accatino, L.*, +, *MWSYM 02* 1453-1456 vol.3
ferrite filled reflector mode converter for axially corrugated waveguides. *Viitanen, A.J.*, +, *MWSYM 02* 1997-2000 vol.3
ferromag. composite, mag. tunable microwave device. *Salahun, E.*, +, *MWSYM 02* 1185-1188 vol.2
high-Q MEMS varactors, extended tuning range and discrete-posn. designs. *Dussopt, L.*, +, *MWSYM 02* 1205-1208 vol.2
Ka-band printed dipole phased array antenna using microstrip-fed CPS tee jns. *Young-Ho Suh*, +, *MWSYM 02* 1321-1324 vol.2
microwave ferrite device/materials technol. *Adam, J.D.*, +, *T-MTT Mar 02* 721-737
microwave filter technol. develop., appls. perspective. *Hunter, I.C.*, +, *T-MTT Mar 02* 794-805
multilayer spatial ang. filter with air gap tuner for microstrip patch array grating lobes suppress. *Youngju Lee*, +, *MWSYM 02* 1329-1332 vol.2
PHEMT V-band freq. doubler, broadband operation, freq. tuning. *Piernas, B.*, +, *T-MTT Apr 02* 1120-1126
RF-MEMS reconfigurable tuners, modeling/optim. using FDTD techs. *Bushyager, N.*, +, *MWSYM 02* 883-886 vol.2
tunable inverted-microstrip phase shifter using NLC. *Weil, C.*, +, *MWSYM 02* 367-371 vol.1
- Tuning; cf.** Circuit tuning; Optical tuning
- Tunnel diode oscillators**
InP HEMT and HITD, ultra-low-power VCO. *Cidronali, A.*, +, *RFIC 02* 297-300
- ultra low-power VCO based on InP HEMT and heterojn. interband tunnel diode for wireless appl. *Cidronali, A.*, +, *MWSYM 02* 43-47 vol.1
- Tunnel diodes**
ultralow DC power VCO based on InP-HEMT and heterojunction interband tunnel diode for wireless applications. *Cidronali, A.*, +, *T-MTT Dec 02* 2938-2946
- Tunnel diodes; cf.** Tunnel diode oscillators
- Tunneling; cf.** Resonant tunneling
- Two-dimensional electron gas**
heterodimensional contacts, barrier enhancement mechanisms, effect on current transport. *Anwar, A.*, +, *T-MTT Jan 02* 68-71
- Two-port networks**
CMOS transceiver chip components for 802.11b WLAN appl. *O, K.K.*, +, *RFIC 02* 103-106
on-chip spiral inductor, substr. coupling effects, RFIC. *Chuan-Jane Chao*, +, *RFIC 02* 311-314
planar IC, lumped element, param. extraction, short-open calib. *Lei Zhu*, +, *T-MTT Aug 02* 1861-1869
simultaneous conj.-matched mixer, RF and IF ports matching cct. synthesis, quasi-lin. approach. *Yew Hui Liew*, +, *T-MTT Sep 02* 2056-2062
Si two-port & three-port inductors, freq. depend. losses modeling. *Kamgaing, T.*, +, *RFIC 02* 307-310
symmetric inductors on Si, freq. depend. losses modeling. *Kamgaing, T.*, +, *MWSYM 02* 153-156 vol.1

U

UHF amplifiers

- broadband RF front-end for direct conversion transceivers, 0.9-2.6 GHz, low-noise variable gain amp. *Kawashima, M.*, +, *MWSYM 02* 927-930 vol.2
CMOS 2.4-GHz/5-GHz LNA, high-resist. ELTRAN SOI-Epi wafers. *Kodate, J.*, +, *MWSYM 02* 1419-1422 vol.3
CMOS RFIC, ESD protection device, Bluetooth transceiver LNA. *Higashi, K.*, +, *RFIC 02* 285-288
CMOS RFICs, ESD protection, parasitic effects. *Ke Gong*, +, *T-MTT Jan 02* 393-402
CMOS transceiver for digital narrowband cordless syst., std. IF or low IF RX. *Jerng, A.*, +, *RFIC 02* 111-114
concurrent multiband LNAs, theory, design, and radio receiver appl. *Hashemi, H.*, +, *T-MTT Jan 02* 288-301
DCS 1800 base station receiver integrated in 0.25 μ m CMOS. *Boric-Lubecke, O.*, +, *MWSYM 02* 1049-1052 vol.2
E911 GPS receiver, highly integrated, BiCMOS chip. *Witz, L.*, +, *RFIC 02* 115-118
EM/cct. co-optim. of lumped component and phys. layout params. using generalized layout components. *Sercu, J.*, +, *MWSYM 02* 2073-2076 vol.3
ESD protection of RF ccts. in std. CMOS proc. *Higashi, K.*, +, *MWSYM 02* 31-34 vol.1
GaAs MESFET modified cascode LNA, dual common source transistors. *Sungmin Ock*, +, *MWSYM 02* 1423-1426 vol.3
PCS/IMT-2000 2-GHz RF frontend transceiver chipset, CMOS technol. *Yong-Sik Youn*, +, *RFIC 02* 271-274
SiGe BiCMOS LNA & mixer, high lin., cellular CDMA/AMPS appl. *Aparin, V.*, +, *RFIC 02* 129-132
SiGe BiCMOS proc. technol., RFIC design, LNA design. *Das, A.*, +, *RFIC 02* 325-328
SiGe HBT cascode LNAs, 2-GHz, geom./bias current optim. *Qingqing Liang*, +, *MWSYM 02* 517-520 vol.1
SiGe HBT cascode LNAs, geom. and bias current optim. *Qingqing Liang*, +, *RFIC 02* 407-410
SiGe HBT LNA, IMT-2000 mobile commun. *Jeiyoun Lee*, +, *MWSYM 02* 1261-1264 vol.2
SiGe LNA, 2.1 GHz, simul.-based automatic synthesis. *Gang Zhang*, +, *RFIC 02* 125-128
step gain differential LNA with impedance unchanged in gain control. *Tanabe, M.*, +, *RFIC 02* 209-212
super compact RFIC inductors in 0.18 μ m CMOS, all-copper interconnects. *Feng, H.*, +, *RFIC 02* 443-446
UHF microstrip amp., radiation, spectral-domain dyadic Green's fn., full-wave method. *Tzyy-Sheng Horng*, +, *T-MTT Aug 02* 2005-2010
- UHF amplifiers; cf.** UHF power amplifiers
- UHF antennas**
GSM base-station antenna, human exposure eval., multiple-region/FDTD method. *Bernardi, P.*, +, *MWSYM 02* 1747-1750 vol.3
smart antennas, digital beamforming/calib. using real-time FPGA proc. *Nuteson, T.W.*, +, *MWSYM 02* 307-310 vol.1
- UHF bipolar transistors**
GaInP/GaAs power HBTs, static/dyn. breakdown, meas./modeling. *Heckmann, S.*, +, *MWSYM 02* 1001-1004 vol.2

- InGaP/GaAs HBT, large-sig. modeling, high-current effects charactn. *Shirokov, M.S.*, +, *T-MTT Apr 02* 1084-1094
- InGaP/GaAs power HBT, electro-thermal large-sig. model, param. extraction. *Hyun-Min Park*, +, *MWSYM 02* 1009-1012 vol.2
- power HBTs, nonlin. behavior, Volterra-series anal. model, mobile comms appls. *Woonyun Kim*, +, *T-MTT Jul 02* 1714-1722
- SiGe HBTs, reduced press. CVD, RF perform. tradeoffs. *Bongki Mheen*, +, *MWSYM 02* 413-416 vol.1
- SiGe HBT with high breakdown voltage struct., RF power characts. *Matsumo, T.*, +, *RFIC 02* 377-379
- wireless power amp., semicond. devices comparison. *Weitzel, C.E.*, *RFIC 02* 369-372
- UHF circuits**
- chip-type MLC balun fabricated by LTCC technol. *Ching-Wen Tang*, +, *MWSYM 02* 2201-2204 vol.3
- EM/cct. co-optim. of lumped component and phys. layout params. using generalized layout components. *Sercu, J.*, +, *MWSYM 02* 2073-2076 vol.3
- integrated inductors in chip-to-board interconnect layer, fab. using electroplating bonding. *Yeun-Ho Joung*, +, *MWSYM 02* 1409-1412 vol.3
- multilayer organic syst. on package integrated pass., RF-microwave multi-band design solns. *Davis, M.F.*, +, *MWSYM 02* 2217-2220 vol.3
- PLL-based fractional synthesizer, nonlin. anal. *Sancho, S.*, +, *MWSYM 02* 2185-2188 vol.3
- predistortion cct. design for 2nd- and 3rd-order lin. in laser-based radio-over-fiber systs. *Roselli, L.*, +, *MWSYM 02* 1711-1714 vol.3
- RF/microwave ccts./systs., CAD/CAE. *Steer, M.B.*, +, *T-MTT Mar 02* 996-1005
- simultaneous conjug.-matched mixer, RF and IF ports matching cct. synthesis, quasi-lin. approach. *Yew Hui Liew*, +, *T-MTT Sep 02* 2056-2062
- spiral inductors embedded on MCM-L organic substrs. for syst.-on-package appls. *Lee, S.H.*, +, *MWSYM 02* 2229-2232 vol.3
- UHF microstrip amp., radiation, spectral-domain dyadic Green's fn., full-wave method. *Tzyy-Sheng Horng*, +, *T-MTT Aug 02* 2005-2010
- VHDL-RF/MW, lang. design requirements. *Willis, J.*, +, *MWSYM 02* 2093-2095 vol.3
- UHF circuits; cf. UHF integrated circuits**
- UHF couplers**
- lumped-element backward directional coupler and. design method. *Taek-Young Song*, +, *MWSYM 02* 213-217 vol.1
- UHF devices**
- capacitive RF MEMS switch, gas damping model and dyn. characts. *Veijola, T.*, +, *MWSYM 02* 1213-1216 vol.2
- Cu capacitive RF MEMS switches, low actuation volt., low cost fab. proc. *Balaraman, D.*, +, *MWSYM 02* 1225-1228 vol.2
- digital-type RF MEMS SC in CPW config., fab. and perform. *Rizk, J.B.*, +, *MWSYM 02* 1217-1220 vol.2
- HF/VHF/UHF systs. and technol., appls. *Raab, F.H.*, +, *T-MTT Mar 02* 888-899
- high-Q inductors in organic substrs. for 1-3 GHz wireless appls., design. *Dalmia, S.*, +, *MWSYM 02* 1405-1408 vol.3
- polyimide film based RF MEMS capacitive switches, fab. and perform. *Ramados, R.*, +, *MWSYM 02* 1233-1236 vol.2
- series MEMS switch compatible with CMOS technol, design and fab. *Yongming Cai*, +, *MWSYM 02* 1221-1224 vol.2
- spiral inductors embedded on MCM-L organic substrs. for syst.-on-package appls. *Lee, S.H.*, +, *MWSYM 02* 2229-2232 vol.3
- surface-mounted RF components, meas. based closed-form modeling. *Naishadham, K.*, +, *T-MTT Oct 02* 2276-2286
- UHF devices; cf. UHF amplifiers; UHF antennas; UHF circuits; UHF couplers; UHF diodes; UHF filters; UHF frequency converters; UHF mixers; UHF oscillators; UHF phase shifters; UHF transistors**
- UHF diodes**
- even harmonic mixer, self-biased anti-parallel diode pair. *Shimozawa, M.*, +, *MWSYM 02* 253-256 vol.1
- microwave solid-state act. devices. *Haddad, G.I.*, +, *T-MTT Mar 02* 760-779
- UHF field effect transistors**
- AlGaIn/GaN power HEMT using surface-charge-controlled struct., microwave appls. *Kikkawa, T.*, +, *MWSYM 02* 1815-1818 vol.3
- GSM/DCS single supply power amp. ICs, enhancement mode FET technol. *Glass, E.*, +, *RFIC 02* 447-450
- nonlin. AC FET model, extraction using small-sig. S-params. *Vuolevi, J.H.K.*, +, *T-MTT May 02* 1311-1315
- power MESFETs, direct obs. of loadlines using av. RF gate and drain currents. *Meng, C.C.*, +, *MWSYM 02* 2161-2164 vol.3
- RF power LDMOS devices, electrothermal BSIM3 model. *Tomblad, O.*, +, *MWSYM 02* 861-864 vol.2
- small-sig. equiv. cct. model for RF-MOSFETs valid up to cut-off freq. *Kawano, H.*, +, *MWSYM 02* 2121-2124 vol.3
- wireless power amp., semicond. devices comparison. *Weitzel, C.E.*, *RFIC 02* 369-372

UHF filters

- conductor-loaded cavity resonators, 3-pole filter. *Salehi, H.*, +, *MWSYM 02* 1601-1604 vol.3
- cross-coupled filters, cascade synthesis theory, complex transm. zeros. *Yildirim, N.*, +, *T-MTT Jun 02* 1536-1543
- dual-mode filters with grooved dielec. resonator loaded cavity for cellular radio base-stations. *Accatino, L.*, +, *MWSYM 02* 1453-1456 vol.3
- dual-mode quasi-ellipt.-fn. bandpass filters, ring resonators, enhanced-coupling. *Lung-Hwa Hsieh*, +, *T-MTT May 02* 1340-1345
- folded coupled-line struct., anal., appl. to filter and diplexer design. *Chih-Ming Tsai*, +, *MWSYM 02* 1927-1930 vol.3
- folded dual-mode HTS microstrip resonator/band pass filter. *Raihn, K.F.*, +, *MWSYM 02* 1959-1962 vol.3
- interdigital hairpin bandpass filter, design using model of coupled slots. *Deleniv, A.N.*, +, *T-MTT Sep 02* 2153-2158
- LTCC integrated tri-band direct conversion receiver front-end module. *Lucero, R.*, +, *MWSYM 02* 1545-1548 vol.3
- multilayer organic syst. on package integrated pass., RF-microwave multi-band design solns. *Davis, M.F.*, +, *MWSYM 02* 2217-2220 vol.3
- spiral inductor resonator filter design and optim. *Gye-An Lee*, +, *MWSYM 02* 1621-1624 vol.3
- stable act. impedance inverter, anal. and appl. to bandpass filter design. *Young-Hoon Chun*, +, *MWSYM 02* 1911-1914 vol.3
- TFBAR filter, wireless commun. *Kim, K.W.*, +, *MWSYM 02* 1181-1184 vol.2
- YBaCuO supercond. bandpass filter, Chebyshev rejection, 3G/4G wireless appl. *Tsuzuki, G.*, +, *MWSYM 02* 1963-1966 vol.3
- UHF frequency converters**
- GSM/PCN dual band variable gain low noise RF down conversion mixer. *Bonkee Kim*, +, *RFIC 02* 137-140
- UHF frequency convertors**
- LTCC freq. doubler, L-band, using embedded lumped element filters. *Hurley, R.*, +, *MWSYM 02* 1549-1552 vol.3
- UHF integrated circuits**
- 1.9-GHz MMIC receiver front-end with monolithic image-reject filter and VCO. *Rogers, J.W.M.*, +, *T-MTT Jan 02* 210-215
- 3G UMTS/WCDMA handset RF subsystem, BiCMOS chipset. *Brunel, D.*, +, *RFIC 02* 191-194
- 900-MHz RF receiver with HBM ESD robustness, ESD protection design. *Ming-Dou Ker*, +, *MWSYM 02* 537-540 vol.1
- BaSrTiO₃/sapphire refl.-type phase shifter, monolithic, using CPW Lange coupler. *Dongsu Kim*, +, *MWSYM 02* 1471-1474 vol.3
- Bluetooth 6.5-mW receiver front-end in 0.18- m CMOS. *Beffa, F.*, +, *RFIC 02* 391-394
- bond-wire inductor-MOS varactor VCO, 1.8-2.4 GHz tunable. *Svelto, F.*, +, *T-MTT Jan 02* 403-407
- broadband RF front-end for direct conversion transceivers, 0.9-2.6 GHz, low-noise variable gain amp. *Kawashima, M.*, +, *MWSYM 02* 927-930 vol.2
- CMOS 2.4-GHz/5-GHz LNA, high-resist. ELTRAN SOI-Epi wafers. *Kodate, J.*, +, *MWSYM 02* 1419-1422 vol.3
- CMOS Bluetooth transceiver IC with Cu RF pass., fab. and perform. *Doan, M.T.*, +, *RFIC 02* 415-418
- CMOS fully-differential image-reject mixer, Bluetooth receiver. *Khannur, P.B.*, +, *RFIC 02* 439-442
- CMOS image-reject mixer, Bluetooth receiver. *Khannur, P.B.*, +, *MWSYM 02* 549-552 vol.1
- CMOS LC-resonator quadrature VCO, low power, 2.45 GHz, tuning. *Leenaerts, D.*, +, *RFIC 02* 67-70
- CMOS quadrature oscillator, 900 MHz, low phase noise design. *Cabanillas, J.*, +, *RFIC 02* 63-66
- CMOS quadrature VCO, 2.4 GHz, spiral inductors & differential varactors. *Baoyong Chi*, +, *RFIC 02* 451-454
- CMOS quadrature VCO with symm. spiral inductors and differential varactors, 2.4 GHz. *Baoyong Chi*, +, *MWSYM 02* 561-564 vol.1
- CMOS RFIC, ESD protection device, Bluetooth transceiver LNA. *Higashi, K.*, +, *RFIC 02* 285-288
- CMOS RFICs, EM isolation and coupling characts. for crosstalk suppress. *Adan, A.O.*, +, *MWSYM 02* 39-42 vol.1
- CMOS RFICs, ESD protection, parasitic effects. *Ke Gong*, +, *T-MTT Jan 02* 393-402
- CMOS RF receiver, 900 MHz, ESD protection design. *Ming-Dou Ker*, +, *RFIC 02* 427-430
- CMOS transceiver chip components for 802.11b WLAN appl. *O, K.K.*, +, *RFIC 02* 103-106
- CMOS transceiver for digital narrowband cordless syst., std. IF or low IF RX. *Jerng, A.*, +, *RFIC 02* 111-114
- CMOS VCO RF perform., hot carrier & soft-breakdown effects. *Enjun Xiao*, +, *RFIC 02* 459-462
- Cu high-Q inductors on std. Si substr. with low-k BCB dielec. layer. *Xiao Huo*, +, *RFIC 02* 403-406
- DCS 1800 base station receiver integrated in 0.25 m CMOS. *Boric-Lubecke, O.*, +, *MWSYM 02* 1049-1052 vol.2

- differentially driven symmetric microstrip inductors, config. and Si RFIC appl. *Danesh, M.*, +, *T-MTT Jan 02* 332-341
- distributed act. transformer, power-combining and imped. transform. tech., CMOS power amp. appl. *Aoki, I.*, +, *T-MTT Jan 02* 316-331
- E911 GPS receiver, highly integrated, BiCMOS chip. *Wilz, L.*, +, *RFIC 02* 115-118
- ESD protection of RF ccts. in std. CMOS proc. *Higashi, K.*, +, *MWSYM 02* 31-34 vol.1
- field-extracted lumped-element models of CPS ccts. and discontinuities, RF design. *Lei Zhu*, +, *T-MTT Apr 02* 1207-1215
- GaAs MESFET modified cascode LNA, dual common source transistors. *Sungmin Ock*, +, *MWSYM 02* 1423-1426 vol.3
- GaAs PHEMT MMIC power amp., 15 W, 3G wireless transmitter appls. *Staudinger, J.*, +, *MWSYM 02* 617-620 vol.2
- GaAs three-MESFET monolithic switch, L-band, bias conditions, reson. topologies. *Torres, J.A.*, +, *T-MTT Jan 02* 51-56
- GSM 900/DCS 1800 fractional-N modulator with two-point-modulation. *Neurauter, B.*, +, *MWSYM 02* 425-428 vol.1
- GSM/DCS single supply power amp. ICs, enhancement mode FET technol. *Glass, E.*, +, *RFIC 02* 447-450
- GSM/EDGE dual-mode, 900/1800/1900-MHz triple-band HBT MMIC power amp. module. *Yamamoto, K.*, +, *RFIC 02* 245-248
- GSM/PCN dual band variable gain low noise RF down conversion mixer. *Bonkee Kim*, +, *RFIC 02* 137-140
- high-Q inductors in organic substs. for 1-3 GHz wireless appls., design. *Dalmia, S.*, +, *MWSYM 02* 1405-1408 vol.3
- hybrid power amp. module, 20 W, 2080-2200 MHz, optimized for error amp. appls. *Crescenzi, E.J., Jr.*, *MWSYM 02* 613-616 vol.2
- IEEE RFIC symposium, Seattle, USA (Jun 02). *RFIC-02 xxxi+501*
- InGaP/GaAs broadband monolithic HBT power amps. for 3G handset appls. *Jager, H.*, +, *MWSYM 02* 1035-1038 vol.2
- I-Q vector modulator with FET parasitics compensation. *Chongcheawchannan, M.*, +, *T-MTT Jun 02* 1642-1646
- LDMOS and PHEMT broadband distributed power amps., 6 W/high efficiency, using LTCC technol. *Lei Zhao*, +, *MWSYM 02* 897-900 vol.2
- LDMOS HV RFIC proc., appl. to wideband power amp. IC design. *Pla, J.A.*, +, *MWSYM 02* 263-266 vol.1
- low cost RF transceiver ICs, pass. elements modeling, ASITIC, lumped-element equiv. cct. models. *Niknejad, A.M.*, *MWSYM 02* 149-152 vol.1
- LTCC technol., enabler of high power RF integrated amps. *Piel, P.-M.*, +, *MWSYM 02* 1557-1560 vol.3
- mobile handset transmitter unit, high-efficiency lin. power amps. *Staudinger, J.*, *RFIC 02* 45-48
- MOSFET model for RFIC design valid in all regions of operation. *Enz, C.*, *T-MTT Jan 02* 342-359
- organic wafer-level packaging platform for highly integrated RF transceivers. *Ramachandran, R.*, +, *MWSYM 02* 1401-1404 vol.3
- PCS/IMT-2000 2-GHz RF frontend transceiver chipset, CMOS technol. *Yong-Sik Youn*, +, *RFIC 02* 271-274
- polysilicon differential multi-finger MEMS tunable capacitors for RFIC. *Ionis, G.V.*, +, *MWSYM 02* 345-348 vol.1
- power amps., nonlin. response modeling, augmented behavioral charactn. *Asbeck, P.M.*, +, *MWSYM 02* 135-138 vol.1
- power amps. with memory effects, behavioral model, two-tone meas. *Hyunchul Ku*, +, *MWSYM 02* 139-142 vol.1
- power combining scheme, optimum efficiency under variable outputs. *Hang, C.Y.*, +, *MWSYM 02* 913-916 vol.2
- RF front-end transceiver chipset, 2 GHz, PCS and IMT-2000 appls. *Yong-Sik Youn*, +, *MWSYM 02* 17-20 vol.1
- RFIC design, package and bonding wire modeling software and appl. *Goto, K.*, +, *MWSYM 02* 2109-2112 vol.3
- RF integrated inductors, freq.-depend. compact model. *Sieiro, J.*, +, *T-MTT Jan 02* 384-392
- RF/UHF ICs, base stations. *Rohde, U.L.*, *RFIC 02* 13-17
- series MEMS switch compatible with CMOS technol, design and fab. *Yongming Cai*, +, *MWSYM 02* 1221-1224 vol.2
- short channel LDMOS technol., BiCMOS compatible for MV RF and power appls. *Litwin, A.*, +, *MWSYM 02* 35-38 vol.1
- Si BiCMOS receivers for normal and micro GSM900 and DCS 1800 base stations. *Gould, P.*, +, *T-MTT Jan 02* 369-376
- Si bipolar power amp. for 1.8 GHz appls., high perform. *Carrara, F.*, +, *MWSYM 02* 1015-1018 vol.2
- SiGe 2.4-GHz HBT power amp. with high-Q LTCC harmonic suppression filter. *Raghavan, A.*, +, *MWSYM 02* 1019-1022 vol.2
- SiGe BiCMOS LNA & mixer, high lin., cellular CDMA/AMPS appl. *Aparin, V.*, +, *RFIC 02* 129-132
- SiGe BiCMOS proc. for wireless appls., 0.18 μ m, mixed sig. ccts. *Peihua Ye*, +, *RFIC 02* 329-332
- SiGe BiCMOS proc. technol. and impact on RFIC design. *Das, A.*, +, *MWSYM 02* 171-174 vol.1
- SiGe BiCMOS proc. technol., RFIC design, LNA design. *Das, A.*, +, *RFIC 02* 325-328
- SiGe HBT cascode LNAs, 2-GHz, geom./bias current optim. *Qingqing Liang*, +, *MWSYM 02* 517-520 vol.1
- SiGe HBT cascode LNAs, geom. and bias current optim. *Qingqing Liang*, +, *RFIC 02* 407-410
- SiGe LNA, 2.1 GHz, simul.-based automatic synthesis. *Gang Zhang*, +, *RFIC 02* 125-128
- SiGe MMIC receiver, even harmonic type, W-CDMA mobile terminals. *Taniguchi, E.*, +, *RFIC 02* 133-136
- SiGe quadrature VCO, fully monolithic design, GSM/DCS-PCS appl. *Cordeau, D.*, +, *RFIC 02* 455-458
- Si RF integrat., develop. of technols. and design techs. *Sevenhans, J.*, +, *T-MTT Jan 02* 235-244
- six-port direct digital receiver and std. direct receiver results for QPSK modulation at high speeds. *Schiell, J.-C.*, +, *MWSYM 02* 931-934 vol.2
- spiral inductors for submicron CMOS RFICs, effects of dummy patterns and substr. *Jae-Hong Chang*, +, *RFIC 02* 419-422
- spiral inductors on insulating substs., perform. improvements. *Kelly, D.*, +, *RFIC 02* 431-433
- step gain differential LNA with impedance unchanged in gain control. *Tanabe, M.*, +, *RFIC 02* 209-212
- super compact RFIC inductors in 0.18 μ m CMOS, all-copper interconnects. *Feng, H.*, +, *RFIC 02* 443-446
- symm. octagonal inductor, substr. parasitics calc. *Tatinian, W.*, +, *MWSYM 02* 165-169 vol.1
- time-delayed PLL model, crit. & optimal gain, stabil. changes. *Buckwalter, J.*, +, *RFIC 02* 181-184
- W-CDMA terminals, HBT power amp., const. voltage / const. current parallel operation. *Shinjo, S.*, +, *RFIC 02* 249-252
- wireless power amp., semicond. devices comparison. *Weitzel, C.E.*, *RFIC 02* 369-372
- UHF measurement**
- 3G power amp. charactn., complex behavior test bed. *Boumaiza, S.*, +, *MWSYM 02* 2241-2244 vol.3
- microstrip tapered balun printed dipole ref., specific absorpt. rate meas. *Richard, M.*, +, *MWSYM 02* 1743-1746 vol.3
- probe-tone S-param. meas. tech. for power amps. *Martens, J.*, +, *T-MTT Sep 02* 2076-2082
- ultra-fast broadband time domain EMI meas. syst. using spectral estim. *Krug, F.*, +, *MWSYM 02* 2237-2240 vol.3
- UHF mixers**
- 3G UMTS/WCDMA handset RF subsyst., BiCMOS chipset. *Brunel, D.*, +, *RFIC 02* 191-194
- Bluetooth 6.5-mW receiver front-end in 0.18- μ m CMOS. *Beffa, F.*, +, *RFIC 02* 391-394
- cellular RF transceiver front-end, CMOS use, LV low power design. *Steyaert, M.S.J.*, +, *T-MTT Jan 02* 281-287
- CMOS fully-differential image-reject mixer, Bluetooth receiver. *Khannur, P.B.*, +, *RFIC 02* 439-442
- CMOS image-reject mixer, Bluetooth receiver. *Khannur, P.B.*, +, *MWSYM 02* 549-552 vol.1
- CMOS transceiver chip components for 802.11b WLAN appl. *O, K.K.*, +, *RFIC 02* 103-106
- E911 GPS receiver, highly integrated, BiCMOS chip. *Wilz, L.*, +, *RFIC 02* 115-118
- even harmonic mixer, self-biased anti-parallel diode pair. *Shimozawa, M.*, +, *MWSYM 02* 253-256 vol.1
- GSM/PCN dual band variable gain low noise RF down conversion mixer. *Bonkee Kim*, +, *RFIC 02* 137-140
- image rejection/spurious rejection mixers using digital compensation, archit./algm. *Youngjin Kim*, +, *MWSYM 02* 799-802 vol.2
- LTCC L-band mixer, image rejection. *Passiopoulos, G.*, +, *MWSYM 02* 249-252 vol.1
- PCS/IMT-2000 2-GHz RF frontend transceiver chipset, CMOS technol. *Yong-Sik Youn*, +, *RFIC 02* 271-274
- RF front-end transceiver chipset, 2 GHz, PCS and IMT-2000 appls. *Yong-Sik Youn*, +, *MWSYM 02* 17-20 vol.1
- RF mixers, vector charactn./test syst. vector error correction method. *Dunsmore, J.*, *MWSYM 02* 1833-1836 vol.3
- SiGe BiCMOS LNA & mixer, high lin., cellular CDMA/AMPS appl. *Aparin, V.*, +, *RFIC 02* 129-132
- SiGe MMIC receiver, even harmonic type, W-CDMA mobile terminals. *Taniguchi, E.*, +, *RFIC 02* 133-136
- simultaneous conjug.-matched mixer, RF and IF ports matching cct. synthesis, quasi-lin. approach. *Yew Hui Liew*, +, *T-MTT Sep 02* 2056-2062
- time-delayed PLL model, crit. & optimal gain, stabil. changes. *Buckwalter, J.*, +, *RFIC 02* 181-184
- UHF oscillators**
- bond-wire inductor-MOS varactor VCO, 1.8-2.4 GHz tunable. *Svelto, F.*, +, *T-MTT Jan 02* 403-407
- CMOS LC-resonator quadrature VCO, low power, 2.45 GHz, tuning. *Leenaerts, D.*, +, *RFIC 02* 67-70
- CMOS quadrature oscillator, 900 MHz, low phase noise design. *Cabanillas, J.*, +, *RFIC 02* 63-66

- CMOS quadrature VCO, 2.4 GHz, spiral inductors & differential varactors. *Baoyong Chi, +, RFIC 02 451-454*
- CMOS quadrature VCO with symm. spiral inductors and differential varactors, 2.4 GHz. *Baoyong Chi, +, MWSYM 02 561-564 vol.1*
- CMOS transceiver chip components for 802.11b WLAN appl. *O, K.K., +, RFIC 02 103-106*
- CMOS transceiver for digital narrowband cordless syst., std. IF or low IF RX. *Jerng, A., +, RFIC 02 111-114*
- CMOS VCO RF perform., hot carrier & soft-breakdown effects. *Enjun Xiao, +, RFIC 02 459-462*
- differentially driven symmetric microstrip inductors, config. and Si RFIC appl. *Danesh, M., +, T-MTT Jan 02 332-341*
- SiGe quadrature VCO, fully monolithic design, GSM/DCS-PCS appl. *Cordeau, D., +, RFIC 02 455-458*
- time-delayed PLL model, crit. & optimal gain, stabil. changes. *Buckwalter, J., +, RFIC 02 181-184*
- UHF phase shifters**
- BaSrTiO₃/sapphire refl.-type phase shifter, monolithic, using CPW Lange coupler. *Dongsu Kim, +, MWSYM 02 1471-1474 vol.3*
- UHF power amplifiers**
- 3G power amp. charactn., complex behavior test bed. *Boumaiza, S., +, MWSYM 02 2241-2244 vol.3*
- 3G UMTS/WCDMA handset RF subsyst., BiCMOS chipset. *Brunel, D., +, RFIC 02 191-194*
- BiCMOS LDMOS short channel technol., RF power amp. *Litwin, A., +, RFIC 02 289-292*
- CDMA syst., high power amp. *Kim, T.H., +, MWSYM 02 437-440 vol.1*
- cellular RF transceiver front-end, CMOS use, LV low power design. *Steyaert, M.S.J., +, T-MTT Jan 02 281-287*
- CMOS transceiver chip components for 802.11b WLAN appl. *O, K.K., +, RFIC 02 103-106*
- distributed act. transformer, power-combining and impeded. transform. tech., CMOS power amp. appl. *Aoki, I., +, T-MTT Jan 02 316-331*
- feedforward amp. for WCDMA base stations with adaptive control method. *Young Yun Woo, +, MWSYM 02 769-772 vol.2*
- GaAs PHEMT MMIC power amp., 15 W, 3G wireless transmitter appls. *Staudinger, J., +, MWSYM 02 617-620 vol.2*
- GSM/DCS single supply power amp. ICs, enhancement mode FET technol. *Glass, E., +, RFIC 02 447-450*
- GSM/EDGE dual-mode, 900/1800/1900-MHz triple-band HBT MMIC power amp. module. *Yamamoto, K., +, RFIC 02 245-248*
- hybrid power amp. module, 20 W, 2080-2200 MHz, optimized for error amp. appls. *Crescenzi, E.J., Jr., MWSYM 02 613-616 vol.2*
- InGaP/GaAs broadband monolithic HBT power amps. for 3G handset appls. *Jager, H., +, MWSYM 02 1035-1038 vol.2*
- LDMOS and PHEMT broadband distributed power amps., 6 W/high efficiency, using LTCC technol. *Lei Zhao, +, MWSYM 02 897-900 vol.2*
- LDMOS HV RFIC proc., appl. to wideband power amp. IC design. *Pla, J.A., +, MWSYM 02 263-266 vol.1*
- LDMOS transistor amps., IMD behavior. *Fager, C., +, MWSYM 02 131-134 vol.1*
- LTCC technol., enabler of high power RF integrated amps. *Piel, P.-M., +, MWSYM 02 1557-1560 vol.3*
- memory effects, behavioral model, two-tone meas. *Hyunchul Ku, +, MWSYM 02 139-142 vol.1*
- mobile handset transmitter unit, high-efficiency lin. power amps. *Staudinger, J., RFIC 02 45-48*
- nonlin. response modeling, augmented behavioral charactn. *Asbeck, P.M., +, MWSYM 02 135-138 vol.1*
- power combining scheme, optimum efficiency under variable outputs. *Hang, C.Y., +, MWSYM 02 913-916 vol.2*
- RF and microwave tuned class-E power amps. *Grebennikov, A.V., RFIC 02 49-52*
- RF/microwave power amps. & transmitters, overview. *Raab, F.H., +, T-MTT Mar 02 814-826*
- short channel LDMOS technol., BiCMOS compatible for MV RF and power appls. *Litwin, A., +, MWSYM 02 35-38 vol.1*
- Si bipolar power amp. for 1.8 GHz appls., high perform. *Carrara, F., +, MWSYM 02 1015-1018 vol.2*
- SiGe 2.4-GHz HBT power amp. with high-Q LTCC harmonic suppression filter. *Raghavan, A., +, MWSYM 02 1019-1022 vol.2*
- W-CDMA terminals, HBT power amp., const. voltage / const. current parallel operation. *Shinjo, S., +, RFIC 02 249-252*
- wireless power amp., semicond. devices comparison. *Weitzel, C.E., RFIC 02 369-372*
- UHF radio propagation**
- wireless commun. systs., propag. prediction models, ray-tracing techs., review. *Iskander, M.F., +, T-MTT Mar 02 662-673*
- UHF transistors**
- microwave solid-state act. devices. *Haddad, G.I., +, T-MTT Mar 02 760-779*

- UHF transistors; cf.** UHF bipolar transistors; UHF field effect transistors
- ULSI**
- picosecond imaging cct. anal. of ULSI *P. Mc Manus, M.K., +, MWSYM 02 1505-1508 vol.3*
- RF-interconnect for multi-Gb/s digital interface based on 10 GHz RF-modulation in 0.18 μ m CMOS. *Hyunchol Shin, +, MWSYM 02 477-480 vol.1*
- Uncertainty handling**
- optimal parameter extraction and uncertainty estimation in intrinsic FET small-signal models. *Fager, C., +, T-MTT Dec 02 2797-2803*
- Units (measurement)**
- EM units and eqns., wave propag. and microwave engng. *Leo Young, T-MTT Mar 02 1021-1027*

V

- Vacuum microelectronics**
- RF vac. electronics, hist. & recent advances. *Parker, R.K., +, T-MTT Mar 02 835-845*
- Vapor deposited coatings; cf.** Sputtered coatings
- Vapor deposition; cf.** Chemical vapor deposition
- Vapor phase epitaxial growth; cf.** Atomic layer epitaxial growth; Molecular beam epitaxial growth
- Varactors**
- bond-wire inductor-MOS varactor VCO, 1.8-2.4 GHz tunable. *Svelto, F., +, T-MTT Jan 02 403-407*
- CMOS quadrature VCO, 2.4 GHz, spiral inductors & differential varactors. *Baoyong Chi, +, RFIC 02 451-454*
- CMOS quadrature VCO with symm. spiral inductors and differential varactors, 2.4 GHz. *Baoyong Chi, +, MWSYM 02 561-564 vol.1*
- differentially-tuned CMOS LC VCO for 10 Gbit/s clock-and-data-recovery ccts. *Mukherjee, D., +, MWSYM 02 707-710 vol.2*
- differentially-tuned VCO in SOI CMOS, 1 V, 3.8-5.7 GHz, design. *Fong, N., +, RFIC 02 75-78*
- digital-type RF MEMS SC in CPW config., fab. and perform. *Rizk, J.B., +, MWSYM 02 1217-1220 vol.2*
- freq. tripler, symm. varactor, C-V charact. *Duchamp, J.M., +, MWSYM 02 359-362 vol.1*
- high-Q MEMS varactors, extended tuning range and discrete-posn. designs. *Dussopt, L., +, MWSYM 02 1205-1208 vol.2*
- lumped element FDTD model, packaging effects. *Boon Ping Koh, +, MWSYM 02 1139-1142 vol.2*
- MEMS-based ccts. & phase shifters, phase noise anal. *Rebeiz, G.M., T-MTT May 02 1316-1323*
- MM-wave CPWs on Si, interface loss mechanisms. *Zhao, W., +, T-MTT Jan 02 407-410*
- RFIC, pass. devices. *Coolbaugh, D., +, MWSYM 02 187-191 vol.1*
- RFIC pass. devices develop., VCO simul., cct. perform. *Coolbaugh, D., +, RFIC 02 341-344*
- submillimeter-wave polarimetric compact ranges for scale-model radar meas. *Coulombe, M., +, MWSYM 02 1583-1586 vol.3*
- submillimeter-wave sideband generation using varactor Schottky diodes. *Kurtz, D.S., +, T-MTT Nov 02 2610-2617*
- varactor loaded reflectarray antenna, beam steering, phase distrib. *Boccia, L., +, MWSYM 02 69-73 vol.1*
- Variable-frequency oscillators**
- SiGe BiCMOS quadrature LC VCO, 1.8 V 6/9 GHz switchable dual-band design. *Hyunchol Shin, +, RFIC 02 71-74*
- Variational techniques**
- generalized reaction and unrestricted variational formulation of cavity resonators - part I, basic theory. *Shams-Zadeh-Amiri, A.M., +, T-MTT Nov 02 2480-2490*
- generalized reaction and unrestricted variational formulation of cavity resonators - part II, nonorthogonal and free-boundary mode-matching method. *Shams-Zadeh-Amiri, A.M., +, T-MTT Nov 02 2491-2498*
- metallic holes, EM scatt., microwave cct. design. *Zeid, A., +, T-MTT Apr 02 1198-1206*
- Vectors**
- noise temp. meas., vector corrected, one-port tech. *Weatherspoon, M.H., +, MWSYM 02 2253-2256 vol.3*
- transient EM problems in terms of collinear vector pot. *Georgieva, N.K., T-MTT Aug 02 1950-1959*
- Velocity measurement**
- Doppler speed sens. syst. using sig. proc. approach. *Weber, N., +, MWSYM 02 2233-2235 vol.3*
- VHF amplifiers**
- class E power amps., finite DC feed inductor, simplified approach. *Choi, D.K., +, MWSYM 02 1643-1646 vol.3*
- VHF devices**
- HF/VHF/UHF systs. and technol., appls. *Raab, F.H., +, T-MTT Mar 02 888-899*

VHF devices; cf. VHF amplifiers

Video amplifiers

GaAs PHEMT direct digital six-port MM wave receiver, Ka-band, QPSK commun. *Ovidiu Tatu, S., +, RFIC 02 155-158*

Video equipment; cf. Video amplifiers

Virtual instrumentation

EM/microwave education, technol.-based. *Iskander, M.F., T-MTT Mar 02 1015-1020*

VLSI

telecom front-ends, syst.-level architectural design, modeling and anal. *Gielen, G.G.E., T-MTT Jan 02 360-368*

Voice communication; cf. Integrated voice/data communication

Voltage-controlled oscillators

40 GHz-band fully monolithic HEMT VCO with, one-wave length microstrip resonator. *Ikematsu, H., +, MWSYM 02 843-846 vol.2*

act. microstrip patch antennas, PLL control. *Andrews, J.W., +, T-MTT Jan 02 201-206*

automotive radar chip set, 38/76 GHz, low cost PHEMT technol. *Werthof, A., +, MWSYM 02 1855-1858 vol.3*

bond-wire inductor-MOS varactor VCO, 1.8-2.4 GHz tunable. *Svelto, F., +, T-MTT Jan 02 403-407*

CMOS fast-switching freq. synthesizer. *Xiaomin Yang, +, MWSYM 02 589-592 vol.1*

CMOS LC-resonator quadrature VCO, low power, 2.45 GHz, tuning. *Leenaerts, D., +, RFIC 02 67-70*

CMOS LC VCO, WLAN appls. *Bhattacharjee, J., +, MWSYM 02 585-588 vol.1*

CMOS PLL-based freq. synthesizer for WLAN appls. *Xiaomin Yang, +, RFIC 02 479-482*

CMOS PLL based freq. synthesizer, ring-type VCO, GSM appls. *Ali, S., +, RFIC 02 173-176*

CMOS quadrature VCO, 2.4 GHz, spiral inductors & differential varactors. *Baoyong Chi, +, RFIC 02 451-454*

CMOS quadrature VCO with symm. spiral inductors and differential varactors, 2.4 GHz. *Baoyong Chi, +, MWSYM 02 561-564 vol.1*

CMOS transceiver for digital narrowband cordless syst., std. IF or low IF RX. *Jerng, A., +, RFIC 02 111-114*

CMOS VCO, hot carriers and soft breakdown. *Xiao, E., +, MWSYM 02 569-572 vol.1*

CMOS VCO RF perform., hot carrier & soft-breakdown effects. *Enjun Xiao, +, RFIC 02 459-462*

coupled-oscillator array, angle-based modulation. *Pogorzelski, R.J., T-MTT Jan 02 143-149*

coupled oscillator arrays, locking range improvement. *Jinjin Shen, +, MWSYM 02 1309-1312 vol.2*

differentially-tuned CMOS LC VCO for 10 Gbit/s clock-and-data-recovery ccts. *Mukherjee, D., +, MWSYM 02 707-710 vol.2*

differentially-tuned VCO in SOI CMOS, 1 V, 3.8-5.7 GHz, design. *Fong, N., +, RFIC 02 75-78*

GaAs-HBT MMIC push-push oscillator, 38 GHz, fixed freq. and VCO versions. *Schott, A., +, MWSYM 02 839-842 vol.2*

GaAs PHEMT LNA and VCO 3D MMICs for V-band single-chip transceiver. *Nishikawa, K., +, MWSYM 02 1717-1720 vol.3*

GaAs single-MMIC four-channel transmitter, multichannel RF/opt. SCM commun. *Sangwoo Han, +, T-MTT Apr 02 1173-1179*

Gunn diode based surface mount 77-GHz VCO for automotive radar appls. *Priestley, N., +, MWSYM 02 1863-1866 vol.3*

hot-carrier and soft-breakdown effects on VCO performance. *Enjun Xiao, +, T-MTT Nov 02 2453-2458*

InGaP/GaAs HBT MMIC VCO, Ku band, with bal./differential topologies. *Dong-Hyun Baek, +, MWSYM 02 847-850 vol.2*

InP HBT VCO IC for OC-768 fiber optic commun. appls. *Liyang Zhang, +, RFIC 02 85-88*

InP HEMT and HITD, ultra-low-power VCO. *Cidronali, A., +, RFIC 02 297-300*

InP/InGaAs fully integrated 40-Gbit/s clock and data recovery cct., opt. commun. systs. *Nosaka, H., +, MWSYM 02 83-86 vol.1*

LC VCO, low power cct., WLAN appl. *Bhattacharjee, J., +, RFIC 02 475-478*

microwave feedback oscillator using double-sided MIC tech. *Kawahata, K.I., +, MWSYM 02 699-702 vol.2*

NMOS and PMOS transistors, 1/f noise and VCO design implications. *O, K.K., +, RFIC 02 59-62*

polysilicon differential multi-finger MEMS tunable capacitors for RFIC. *Ionis, G.V., +, MWSYM 02 345-348 vol.1*

power-combining grid oscillator arrays, freq. stabilization. *Wenzhang Wang, +, T-MTT May 02 1400-1407*

RFIC design, package and bonding wire modeling software and appl. *Goto, K., +, MWSYM 02 2109-2112 vol.3*

RFIC, pass. devices. *Coolbaugh, D., +, MWSYM 02 187-191 vol.1*

RFIC pass. devices develop., VCO simul., cct. perform. *Coolbaugh, D., +, RFIC 02 341-344*

SiGe 20-GHz VCO and freq. divider, varactor-tuned LC-type oscillator, radar transmitter. *Ettinger, K., +, MWSYM 02 835-838 vol.2*

SiGe BiCMOS octave tunable RC-ring oscillator for fiber optic transceivers. *Sanduleanu, M.A.T., +, RFIC 02 435-438*

SiGe BiCMOS quadrature LC VCO, 1.8 V 6/9 GHz switchable dual-band design. *Hyunchol Shin, +, RFIC 02 71-74*

SiGe BiCMOS RC-ring oscillator, fiber optic transceiver. *Sanduleanu, M.A.T., +, MWSYM 02 545-548 vol.1*

SiGe bipolar PLL freq. synthesizer, VCO and divide-by-16 static freq. divider. *Ritzberger, G., +, MWSYM 02 831-834 vol.2*

SiGe HBT dual-VCO, cable modem receiver. *Stadius, K., +, RFIC 02 471-474*

SiGe HBT fully-integrated coupled VCOs, phase noise. *Jacobsson, H., +, MWSYM 02 577-580 vol.1*

SiGe HBT fully-integrated coupled VCOs, phase noise. *Jacobsson, H., +, RFIC 02 467-470*

SiGe HBT wide-tuning-range dual-VCOs for cable modem receivers. *Stadius, K., +, MWSYM 02 581-584 vol.1*

SiGe quadrature VCO, fully monolithic design, GSM/DCS-PCS appl. *Cordeau, D., +, RFIC 02 455-458*

SiGe quadrature VCO, GSM/DCS-PCS appls. *Cordeau, D., +, MWSYM 02 565-568 vol.1*

Si VCO and push-push oscillator, phase noise. *Dussopt, L., +, MWSYM 02 695-698 vol.2*

time-delayed PLL model, crit. & optimal gain, stabil. changes. *Buckwalter, J., +, RFIC 02 181-184*

tunable microwave ccts., piezoelec.-transducer-controlled. *Tae-Yeoul Yun, +, T-MTT May 02 1303-1310*

ultralow DC power VCO based on InP-HEMT and heterojunction interband tunnel diode for wireless applications. *Cidronali, A., +, T-MTT Dec 02 2938-2946*

ultra low-power VCO based on InP HEMT and heterojn. interband tunnel diode for wireless appl. *Cidronali, A., +, MWSYM 02 43-47 vol.1*

Voltage measurement

contactless probing of HF elec. sigs. using SPM. *Merlin, W., MWSYM 02 1493-1496 vol.3*

Volterra series

adaptive Volterra predistorter for RF high power amp. lin. in wireless commun. *Anding Zhu, +, MWSYM 02 461-464 vol.1*

dual-gate FET mixers, IMD anal., large-sig./small-sig. anal. *Junghyun Kim, +, T-MTT Jun 02 1544-1555*

GaN FET, large-sig. model, nonlin. anal., Volterra series. *Islam, S.S., +, MWSYM 02 267-270 vol.1*

GaN MESFET nonlinearities, large-sig. model, Volterra series. *Islam, S.S., +, RFIC 02 351-354*

LDMOS RF power transistor, nonlin. distortion, polynomial model. *Vuolevi, J., +, MWSYM 02 2157-2160 vol.3*

nonlin. AC FET model, extraction using small-sig. S-params. *Vuolevi, J.H.K., +, T-MTT May 02 1311-1315*

nonlin. anal. of GaN MESFETs with Volterra series using large-signal models including trapping effects. *Islam, S.S., +, T-MTT Nov 02 2474-2479*

nonlin. source-pull separation from nonlin. syst. behavior. *Crama, P., +, T-MTT Aug 02 1890-1894*

power HBTs, nonlin. behavior, Volterra-series anal. model, mobile comms appls. *Woonyun Kim, +, T-MTT Jul 02 1714-1722*

SiGe HBT cascode LNAs, 2-GHz, geom./bias current optim. *Qingqing Liang, +, MWSYM 02 517-520 vol.1*

SiGe HBT cascode LNAs, geom. and bias current optim. *Qingqing Liang, +, RFIC 02 407-410*

SSPAs, behavioral model taking into account nonlin. memory effects and transient behaviors. *Soury, A., +, MWSYM 02 853-856 vol.2*

W

Waveform analysis

digital ICs, 40 Gb, time-domain waveform meas., cable/connector dispersion removal. *Scott, J., +, MWSYM 02 1669-1672 vol.3*

Waveform analysis; cf. Fourier analysis; Spectral analysis

Waveform generators

vector meas. of filter using power detector, RF and baseband sig. paths. *Vasudev, N., +, T-MTT Sep 02 2083-2089*

Waveguide antenna arrays

quasi-opt. and spatial power combining, power amps., act. arrays. *DeLisio, M.P., +, T-MTT Mar 02 929-936*

tile-based spatial power-combining array power amp., bandwidth improve. *Ai-Zayed, A., +, MWSYM 02 1313-1316 vol.2*

Waveguide antenna arrays; cf. Microstrip antenna arrays; Slot antenna arrays

Waveguide antennas

dielec. filled rect. waveguides, radiating long. slots, equiv. cct., FDTD method. *Gatti, R.V., +, MWSYM 02 871-874 vol.2*

open struct., guided modes, complex effective dielec. const. *Xiang-yin Zeng, +, T-MTT May 02 1417-1424*

- substr.-superstrate dielec. waveguide, continuous spectrum, approx. anal. eval. *Baccarelli, P.*, +, *MWSYM 02 953-956* vol.2
- Waveguide antennas; cf.** Horn antennas; Microstrip antennas; Slot antennas; Waveguide antenna arrays
- Waveguide attenuators**
asymmetric ring-hybrid phase shifters and attenuators. *Hee-Ran Ahn*, +, *T-MTT Apr 02 1146-1155*
Ka-Band multiple-beam act. phased array antennas, highly integrated RF-modules. *Butz, J.*, +, *MWSYM 02 61-64* vol.1
- Waveguide components**
CAD of waveguide struct. with prod. based rads. at double plane steps and jn. ports. *Reiter, J.M.*, +, *MWSYM 02 2081-2084* vol.3
circ. waveguide polarizers with ellipt. irises, full-wave design & optim. *Bertin, G.*, +, *T-MTT Apr 02 1077-1083*
corrections to "Numerical analysis of complicated waveguide circuits on the basis on generalized scattering matrices and domain product technique" (Feb 00 305-308). *Chumachenko, V.P.*, +, *T-MTT Jun 02 1652*
extended FDTD tech. includ. pass. and act. elements, stabil. anal. *Thiel, W.*, +, *T-MTT Sep 02 2159-2165*
grid amp., waveguide mode converter feed. *Chun-Tung Cheung*, +, *MWSYM 02 1523-1526* vol.3
IEEE microwave symposium, conf., Seattle, WA, USA (Jun 02). *MWSYM-02 3* vol.(lxxxii+xxiii+xxv+2272)
irregular rect. waveguides, high functionality mode transformers. *Ming-Chuan Yang*, +, *MWSYM 02 2013-2016* vol.3
manifold MUX design, appl. of spurious mode compensation tech. *Bariant, D.*, +, *MWSYM 02 1461-1464* vol.3
microwave ferrite device/materials technol. *Adam, J.D.*, +, *T-MTT Mar 02 721-737*
mono-grooved circ. waveguide polarizers, mode-matching techs., W-band. *Yoneda, N.*, +, *MWSYM 02 821-824* vol.2
multipactor-free waveguide components for commun. satellites, CAD. *Ludovico, M.*, +, *MWSYM 02 2077-2080* vol.3
quasi-opt. mode converter, reflector cell, vector diff. theory, GO. *Shiwen Yang*, +, *T-MTT Jul 02 1849-1852*
TE₁₀ rect.-waveguide-type resonators, bandpass filter appls. *Hee Yong Hwang*, +, *T-MTT Jul 02 1821-1831*
- Waveguide components; cf.** Circulators; Coplanar waveguide components; Fin line components; Optical waveguide components; Power combiners; Power dividers; Slot line components; Strip line components; Waveguide attenuators; Waveguide couplers; Waveguide filters
- Waveguide couplers**
BaSrTiO₃/sapphire refl.-type phase shifter, monolithic, using CPW Lange coupler. *Dongsu Kim*, +, *MWSYM 02 1471-1474* vol.3
CAD of waveguide struct. with prod. based rads. at double plane steps and jn. ports. *Reiter, J.M.*, +, *MWSYM 02 2081-2084* vol.3
coaxial couplers and waveguides with complex cross sect., conformal mapping design/anal. tools. *Teppati, V.*, +, *T-MTT Oct 02 2339-2345*
coupled planar Kerr-like nonlin. waveguides, TE-mode propag. props. *Jian-Guo Ma*, *MWSYM 02 1985-1988* vol.3
ferrite coupled line circulator, bandwidth and losses. *Cham Kiong Queck*, +, *MWSYM 02 1475-1478* vol.3
in-line coaxial-to-waveguide adapters, propag. modes, equiv. cct. *Levy, R.*, +, *MWSYM 02 809-811* vol.2
manifold MUX, hybrid cct.-full-wave CAD. *Accatino, L.*, +, *T-MTT Sep 02 2044-2047*
waveguide modal coupling coeffs. eval. by contour integrals. *Bozzi, M.*, +, *T-MTT Jul 02 1853-1855*
- Waveguide couplers; cf.** Directional couplers; Strip line couplers
- Waveguide discontinuities**
CAD of waveguide struct. with prod. based rads. at double plane steps and jn. ports. *Reiter, J.M.*, +, *MWSYM 02 2081-2084* vol.3
chirrowaveguides, 2D and 3D discontinuities study. *Wu, T.X.*, +, *T-MTT Oct 02 2320-2330*
circ. waveguide polarizers with ellipt. irises, full-wave design & optim. *Bertin, G.*, +, *T-MTT Apr 02 1077-1083*
discontinuities investig., TLM-based modal-extraction approach. *Ghosh, B.*, +, *T-MTT Oct 02 2294-2304*
engraved NRD guide for mm-wave ICs, design considerations. *Cassivi, Y.*, +, *T-MTT Jan 02 165-171*
lossy anisotropic waveguides, full-wave high-order FEM model, higher order interpolatory vector elements. *Savi, P.*, +, *T-MTT Feb 02 495-500*
microwave guided wave struct., 3D envelope-finite element tech. *Hsiao-Ping Tsai*, +, *MWSYM 02 755-758* vol.2
microwave waveguide filter, rect. quadruple-mode cavity. *Boutheiller, N.*, +, *MWSYM 02 1777-1780* vol.3
new termination condition for appl. of TLM method to discontinuity problems in closed homog. waveguide. *Pierantoni, L.*, +, *T-MTT Nov 02 2513-2518*
planar anisotropic microwave struct., method of lines model. *Pregla, R.*, *T-MTT Jun 02 1469-1479*
rect. waveguides, arbitrarily shaped inductive obstacles, hybrid mode-matching/num. method. *Esteban, H.*, +, *T-MTT Apr 02 1219-1224*
right-angle bends, elec. field obs. of ps. pulse propag. by photocond. near-field probe. *Jongjoo Lee*, +, *MWSYM 02 1509-1512* vol.3
- Waveguide discontinuities; cf.** Strip line discontinuities; Waveguide junctions
- Waveguide filters**
60-GHz-band dielec. waveguide filters with cross-coupling for flip-chip modules. *Ito, M.*, +, *MWSYM 02 1789-1792* vol.3
broadband TEM-mode planar-rect. dielec. waveguide bandpass filter. *Kundu, A.C.*, *MWSYM 02 381-384* vol.1
CAD of waveguide struct. with prod. based rads. at double plane steps and jn. ports. *Reiter, J.M.*, +, *MWSYM 02 2081-2084* vol.3
circ.-to-rect. waveguide T-jn., dual-mode filter design. *Ke-Li Wu*, +, *T-MTT Feb 02 465-473*
CPW-to-CPS transits., low-pass/high-pass filters. *Yo-Shen Lin*, +, *MWSYM 02 2213-2216* vol.3
dual-plane comb-line filter having plural atten. poles, FDTD simul. method. *Kitamura, T.*, +, *T-MTT Apr 02 1216-1219*
EM based optim. of advanced waffle-iron and rect. combline filters, CAD method. *Arndt, F.*, +, *MWSYM 02 2053-2056* vol.3
engraved NRD guide for mm-wave ICs, design considerations. *Cassivi, Y.*, +, *T-MTT Jan 02 165-171*
evanescent-mode ridged waveguide bandpass filters, improved perform. *Kirilenko, A.*, +, *T-MTT May 02 1324-1327*
folded waveguide filters with cross couplings, design procedure. *Kocbach, J.*, +, *MWSYM 02 1449-1452* vol.3
hierarchical multilevel pot. preconditioner for fast FEM. *Yu Zhu*, +, *T-MTT Aug 02 1984-1989*
interdigital hairpin bandpass filter, design using model of coupled slots. *Deleniv, A.N.*, +, *T-MTT Sep 02 2153-2158*
manifold MUX design, appl. of spurious mode compensation tech. *Bariant, D.*, +, *MWSYM 02 1461-1464* vol.3
microwave device optim., EM scatt., 2D p-adaptive FEM. *Gavrilovic, M.M.*, +, *T-MTT Aug 02 1901-1911*
microwave filters, survey of design techs. *Levy, R.*, +, *T-MTT Mar 02 783-793*
microwave filter technol. develop., appls. perspective. *Hunter, I.C.*, +, *T-MTT Mar 02 794-805*
microwave line-segment ccts., evol. generation by GA. *Nishino, T.*, +, *T-MTT Sep 02 2048-2055*
microwave struct., fast finite-element-based field optimizer using anal. calc. gradients. *Harscher, P.*, +, *T-MTT Feb 02 433-439*
microwave waveguide filter, rect. quadruple-mode cavity. *Boutheiller, N.*, +, *MWSYM 02 1777-1780* vol.3
narrow band waveguide filter CAD, EM segmentation method. *Bariant, D.*, +, *MWSYM 02 979-982* vol.2
rect. waveguide filters, integral eqn./boundary integral-reson. mode expansion method anal. *Boria, V.E.*, +, *MWSYM 02 393-396* vol.1
rect. waveguide stepped-impedance resonator filters, stopband perform. *Morelli, M.*, +, *T-MTT Jul 02 1657-1664*
reentrant wide-band directional filter, TW reson., matched filter appls. *Petrovich Gorbachev, A.*, *T-MTT Aug 02 2028-2031*
Si planar waveguide filter at 45 GHz based on periodic struct., design and fab. *Lenoir, B.*, +, *MWSYM 02 1923-1926* vol.3
stepped cavity resonator with optimized spurious perform. and appls. to BPFs. *Konno, K.*, +, *MWSYM 02 389-392* vol.1
stripline tapped-in ridge waveguide bandpass filter, full-wave optim. *El Sabbagh, M.A.*, +, *MWSYM 02 1805-1808* vol.3
suspension resonators for filters, excitation of evanescent cavities using high dielec. const. feedlines. *Snyder, R.V.*, +, *MWSYM 02 1597-1600* vol.3
TE₁₀ rect.-waveguide-type resonators, bandpass filter appls. *Hee Yong Hwang*, +, *T-MTT Jul 02 1821-1831*
vert. integrated slot-coupled micromachined filter, meas. and FEM model. *Harle, L.*, +, *T-MTT Sep 02 2063-2068*
- Waveguide filters; cf.** Strip line filters
- Waveguide junctions**
circ.-to-rect. waveguide T-jn., dual-mode filter design. *Ke-Li Wu*, +, *T-MTT Feb 02 465-473*
evanescent-mode ridged waveguide bandpass filters, improved perform. *Kirilenko, A.*, +, *T-MTT May 02 1324-1327*
hybrid planar NRD-guide magic-tee jn. *Cassivi, Y.*, +, *T-MTT Oct 02 2405-2408*
in-line coaxial-to-waveguide adapters, propag. modes, equiv. cct. *Levy, R.*, +, *MWSYM 02 809-811* vol.2
Ka-band printed dipole phased array antenna using microstrip-fed CPS tee jns. *Young-Ho Suh*, +, *MWSYM 02 1321-1324* vol.2
lattice-type LC-baluns, lumped and distributed types. *Bakalski, W.*, +, *MWSYM 02 209-212* vol.1
microwave device optim., EM scatt., 2D p-adaptive FEM. *Gavrilovic, M.M.*, +, *T-MTT Aug 02 1901-1911*
planar anisotropic microwave struct., method of lines model. *Pregla, R.*, *T-MTT Jun 02 1469-1479*

Waveguides

60-GHz uniplanar MMIC 4 x subharmonic mixer. *Chapman, M.W.*, +, *T-MTT Nov 02* 2580-2588
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 Ka band waveguide using EM cryst. sidewalls. *Higgins, J.A.*, +, *MWSYM 02* 1071-1074 vol.2
 new termination condition for appl. of TLM method to discontinuity problems in closed homog. waveguide. *Pierantoni, L.*, +, *T-MTT Nov 02* 2513-2518
 technol. develop./appls., milestones. *Sobol, H.*, +, *T-MTT Mar 02* 594-611

Waveguides; cf. Chirowaveguides; Circular waveguides; Coaxial waveguides; Coplanar waveguides; Dielectric-loaded waveguides; Dielectric waveguides; Ferrite-loaded waveguides; Ferrite waveguides; Helical waveguides; Parallel plate waveguides; Planar waveguides; Rectangular waveguides; Slot lines; Strip lines; Waveguide discontinuities; Waveguide transitions

Waveguide theory

2D full-wave finite-difference freq.-domain method for general guided wave struct. *Yong-Jiu Zhao*, +, *T-MTT Jul 02* 1844-1848
 anisotropic ferrite slab waveguides, wave effects rel. to sing. theory. *Yakovlev, A.B.*, +, *MWSYM 02* 2021-2024 vol.3
 anisotropic rect. dielec. waveguides, Marcanti's method modif. for calc. *Dudorov, S.N.*, +, *T-MTT Jun 02* 1640-1642
 anisotropic stripline struct., printed apertures, dyn. model. *Lacava, J.C.D.S.*, +, *T-MTT Jan 02* 22-26
 CAD of waveguide struct. with prod. based rads. at double plane steps and jn. ports. *Reiter, J.M.*, +, *MWSYM 02* 2081-2084 vol.3
 chirowaveguides, 2D and 3D discontinuities study. *Wu, T.X.*, +, *T-MTT Oct 02* 2320-2330
 confocal annular ellipt. waveguides & resonators, atten. characts. *Gutierrez-Vega, J.C.*, +, *T-MTT Apr 02* 1095-1100
 conical waveguide and free-space, $\epsilon = \text{constant}$ mode. *Van Bladel, J.*, *T-MTT Apr 02* 1233-1237
 coplanar ferroelec. thin-film devices, anisotropic permitt./atten. from propag. consts., full-wave Green's fn. solver. *Krowne, C.M.*, +, *T-MTT Feb 02* 537-548
 coupled planar Kerr-like nonlin. waveguides, TE-mode propag. props. *Jian-Guo Ma*, *MWSYM 02* 1985-1988 vol.3
 dielec. rod waveguide, surface corrugation, num. anal. *Kubo, H.*, +, *T-MTT May 02* 1256-1263
 discontinuities investig., TLM-based modal-extraction approach. *Ghosh, B.*, +, *T-MTT Oct 02* 2294-2304
 ferrite filled reflector mode converter for axially corrugated waveguides. *Viiitanen, A.J.*, +, *MWSYM 02* 1997-2000 vol.3
 full-wave 2D ADI-FDTD method for anal. of arbitrary waveguiding struct., stabil. condition. *Changning Ma*, +, *MWSYM 02* 2049-2052 vol.3
 grounded dielec. slab, thick/lossy, complete pole location. *Swee-Ann Teo*, +, *T-MTT Feb 02* 440-445
 inhomog. loaded strictly bidirectional waveguides, freq.-domain anal., eigenfunction expansion. *Przybyszewski, P.*, +, *T-MTT Feb 02* 558-563
 line-integral formulation of the hybrid MM/FEM tech., arbitrary cross-sect. waveguides. *Crino, V.*, +, *MWSYM 02* 2033-2036 vol.3
 lossy anisotropic waveguides, full-wave high-order FEM model, higher order interpolatory vector elements. *Savi, P.*, +, *T-MTT Feb 02* 495-500
 lossy inhomog. anisotropic waveguides, fast reduced-order model for full-wave FEM anal. *Bertazzi, F.*, +, *T-MTT Sep 02* 2108-2114
 lossy structs., 3D hybrid finite-difference method, quasi-static field solns. *Kunze, M.*, +, *MWSYM 02* 1881-1884 vol.3
 metallic holes, EM scatt., microwave cct. design. *Zeid, A.*, +, *T-MTT Apr 02* 1198-1206
 microstrip single-layer and multilayer struct., closed-form Green's fns. *Yuehe Ge*, +, *T-MTT Jun 02* 1556-1560
 microstrip substr., 2D Green's fns., Berenger/leaky modes series. *Rogier, H.*, +, *T-MTT Jul 02* 1696-1704
 microstrip transm. layered struct. with complex media, atten. determ. *Krowne, C.M.*, *T-MTT Jan 02* 112-122
 microwave device optim., EM scatt., 2D p-adaptive FEM. *Gavrilovic, M.M.*, +, *T-MTT Aug 02* 1901-1911
 microwave guided wave struct., 3D envelope-finite element tech. *Hsiao-Ping Tsai*, +, *MWSYM 02* 755-758 vol.2
 microwave struct., fast finite-element-based field optimizer using anal. calc. gradients. *Harscher, P.*, +, *T-MTT Feb 02* 433-439
 modal coupling coeffs. eval. by contour integrals. *Bozzi, M.*, +, *T-MTT Jul 02* 1853-1855
 mode-matching tech., line-integral formulation. *Figlia, G.*, +, *T-MTT Feb 02* 578-580
 multiresolution time-domain scheme for microwave struct., multiple image tech., anisotropic perfectly matched layer. *Qunsheng Cao*, +, *T-MTT Jun 02* 1578-1589
 nonphysical leaky mode for fields excited by practical source in PC transm. lines. *Tsuji, M.*, +, *MWSYM 02* 957-960 vol.2
 open struct., guided modes, complex effective dielec. const. *Xiang-yin Zeng*, +, *T-MTT May 02* 1417-1424

overmoded circ. waveguides, lossy-wall, mode coupling. *Shafii, J.*, +, *T-MTT May 02* 1361-1369
 parallel-plate dielec. waveguide, excitation by coaxial probe study. *Kwan, G.K.C.*, +, *T-MTT Jun 02* 1609-1620
 perfectly matched layers, 3D finite-difference freq.-domain method. *Tischler, T.*, +, *MWSYM 02* 1885-1888 vol.3
 planar waveguides, multiple scatt. among vias, sparse-matrix canonical-grid method. *Chung-Chi Huang*, +, *MWSYM 02* 2045-2048 vol.3
 PML-like ABCs for layered media transm. line termination, two cell microstrip transm. line. *Lauer, A.*, +, *MWSYM 02* 739-742 vol.2
 RF struct. optim., multiresolution time-domain adaptive schemes using arbitrary wavelet resolns. *Tentzeris, E.M.*, +, *T-MTT Feb 02* 501-516
 ridge waveguide, dispersion rel. anal. using overlapping T-blocks. *Cho, Y.H.*, +, *T-MTT Oct 02* 2368-2373
 shielded planar struct., summation-by-parts algm., convergence accel. *Mosig, J.R.*, +, *T-MTT Jan 02* 215-218
 spatial power combining MMIC array, global coupled EM-elec.-thermal simul. *Batty, W.*, +, *MWSYM 02* 2177-2180 vol.3
 substr.-superstrate dielec. waveguide, continuous spectrum, approx. anal. eval. *Baccarelli, P.*, +, *MWSYM 02* 953-956 vol.2
 thin metal wires in rect. waveguide, scatt. and absorpt. study. *Bingle, M.*, +, *T-MTT Jun 02* 1621-1627
 transient EM problems in terms of collinear vector pot. *Georgieva, N.K.*, *T-MTT Aug 02* 1950-1959
 Trefftz FEM for comput. EM, TLM method. *Shlepnev, Y.O.*, *T-MTT May 02* 1328-1339
 uniplanar transm. lines, surface leaky waves, representation. *Machac, J.*, +, *T-MTT Feb 02* 583-585
 wide microstrip line, HF spurious effects. *Mesa, F.*, +, *MWSYM 02* 945-948 vol.2

Waveguide transitions

CPW embedding ccts. for THz hot-electron-bolometer mixers. *Focardi, P.*, +, *T-MTT Oct 02* 2374-2383
 finite ground coplanar line-to-waveguide transit. for W-band. *Yongshik Lee*, +, *MWSYM 02* 1871-1874 vol.3
 parallel-plate dielec. waveguide, excitation by coaxial probe study. *Kwan, G.K.C.*, +, *T-MTT Jun 02* 1609-1620

Waveguide transitions; cf. Strip line transitions**Wavelength division multiplexing**

GaAs single-MMIC four-channel transmitter, multichannel RF/opt. SCM commun. *Sangwoo Han*, +, *T-MTT Apr 02* 1173-1179
 microwave fiber-radio links, nonlin. distortion/crosstalk. *Funk, E.E.*, +, *MWSYM 02* 1691-1693 vol.3
 millimeter-wave power-fading compensation for WDM fiber-radio transmission using a wavelength-self-tunable single-sideband filter. *Vourc'h, E.*, +, *T-MTT Dec 02* 3009-3015
 opt. mixing of antenna sigs. in WDM systrs. *Cabon, B.*, +, *MWSYM 02* 1953-1956 vol.3
 WDM fiber-radio transm. using InP:Fe cryst.-based wavelength-self-tunable SSB filter. *Vourc'h, E.*, +, *MWSYM 02* 1703-1706 vol.3

Wavelet transforms

EM pulse transient interact. with air layer in dielec. medium using wavelet-based implicit TDIE formulation. *Shifman, Y.*, +, *T-MTT Aug 02* 2018-2022
 MESFET, act. microwave device, global model. *Hussein, Y.A.*, +, *MWSYM 02* 743-746 vol.2
 RF struct. optim., multiresolution time-domain adaptive schemes using arbitrary wavelet resolns. *Tentzeris, E.M.*, +, *T-MTT Feb 02* 501-516
 scatt. anal., multiresolution time-domain algm., compact wavelet systrs. *Dogaru, T.*, +, *T-MTT Jul 02* 1752-1760
 time domain simul., front tracking and wavelet techs. *Sarris, C.D.*, +, *MWSYM 02* 747-750 vol.2

Wave propagation

1999 International Microwave and Optoelectronics Conference (special issue). *T-MTT Jan 02* 1-93
 1999 International Microwave and Optoelectronics Conference. special issue intro.). *Hernandez-Figueroa, H.E.*, +, *T-MTT Jan 02* 1-3
 propag. characts. of finite-width conductor-backed coplanar waveguides with periodic electromagnetic bandgap cells. *Shau-Gang Mao*, +, *T-MTT Nov 02* 2624-2628

Wave propagation; cf. Electromagnetic wave propagation**Waves; cf.** Electromagnetic waves**Welding; cf.** Lead bonding**White noise**

cellular RF transceiver front-end, CMOS use, LV low power design. *Steyaert, M.S.J.*, +, *T-MTT Jan 02* 281-287

Wideband amplifiers

broadband integrated LTCC front-end module, IEEE 802.11a WLAN appls. *Lee, C.-H.*, +, *MWSYM 02* 1045-1048 vol.2
 broadband push-pull power amp. MMIC operating at K/Ka-band freqs. *Schellenberg, J.M.*, *MWSYM 02* 909-912 vol.2

- broadband RF front-end for direct conversion transceivers, 0.9-2.6 GHz, low-noise variable gain amp. *Kawashima, M.*, +, *MWSYM 02 927-930* vol.2
- cryogenic LNA, DC power consumption. *Angelov, L.*, +, *T-MTT Jun 02 1480-1486*
- filter synthesis technique applied to design of multistage broad-band microwave amplifiers. *Rooney, J.-P.*, +, *T-MTT Dec 02 2947-2953*
- fully integrated broad-band amplifier MMIC employing novel chip-size package. *Yun, Y.*, +, *T-MTT Dec 02 2930-2937*
- GaAs broadband amp. MMIC with RF-CSP for Ku/K band appls. *Young Yun*, +, *MWSYM 02 409-412* vol.1
- GaAs PHEMT MMIC power amp., 15 W, 3G wireless transmitter appls. *Staudinger, J.*, +, *MWSYM 02 617-620* vol.2
- high perform. microwave power modules for mil. and commercial systs. *Basten, M.*, +, *MWSYM 02 629-632* vol.2
- InGaP/GaAs broadband monolithic HBT power amps. for 3G handset appls. *Jager, H.*, +, *MWSYM 02 1035-1038* vol.2
- InGaP/GaAs HBT MMIC lin. broadband power amps., optimum bias conditions. *Iwamoto, M.*, +, *MWSYM 02 901-904* vol.2
- LDMOS and PHEMT broadband distributed power amps., 6 W/high efficiency, using LTCC technol. *Lei Zhao*, +, *MWSYM 02 897-900* vol.2
- LDMOS HV RFIC proc., appl. to wideband power amp. IC design. *Pla, J.A.*, +, *MWSYM 02 263-266* vol.1
- multistage broadband microwave amp. design, appl. of filter synthesis tech. *Rooney, J.-P.*, +, *MWSYM 02 1915-1918* vol.3
- optimum bias conditions for linear broad-band InGaP/GaAs HBT power amplifiers. *Iwamoto, M.*, +, *T-MTT Dec 02 2954-2962*
- PHEMT MMIC wideband power amp. *Komiak, J.J.*, +, *MWSYM 02 905-907* vol.2
- S-band broadband monolithic class-E power amp., design and fab. *Tayrani, R.*, *RFIC 02 53-56*
- SiGe BiCMOS LNA, high lin., wide bandwidth, WLAN appl. *Sadowy, J.*, +, *RFIC 02 217-220*
- SiGe bipolar transimpedance amp. array for 12 parallel 10 Gb/s opt. fiber links. *Schild, A.*, +, *RFIC 02 89-92*
- Si LDMOS HV RFIC amp. design, robust model extraction. *Pla, J.A.*, +, *RFIC 02 347-350*
- SSPAs, behavioral model taking into account nonlin. memory effects and transient behaviors. *Soury, A.*, +, *MWSYM 02 853-856* vol.2
- Wide band gap semiconductors**
- AlGaIn/GaN HEMT power amp., act. integrated antenna. *Younkyu Chung*, +, *MWSYM 02 433-436* vol.1
- AlGaIn/GaN HEMTs, intrinsic noise charact. *Sungjae Lee*, +, *MWSYM 02 1415-1418* vol.3
- AlGaIn/GaN HFET amp., RF charact. *Trew, R.J.*, *MWSYM 02 1811-1814* vol.3
- AlGaIn/GaN microwave power HEMTs on 4" Si wafers, charact. *Manohar, S.*, +, *MWSYM 02 449-452* vol.1
- AlGaIn/GaN power HEMT using surface-charge-controlled struct., microwave appls. *Kikkawa, T.*, +, *MWSYM 02 1815-1818* vol.3
- AlGaIn/GaN wide-bandgap microwave HEMTs, trapping effects. *Binari, S.C.*, +, *MWSYM 02 1823-1826* vol.3
- AlN HBT, Ku-band power amp., flip-chip mounting. *Vendier, O.*, +, *MWSYM 02 1389-1392* vol.3
- Al_xGa_{1-x}N/GaN HEMTs for microwave/RF control appls. *Drozdzowski, N.V.*, +, *T-MTT Jan 02 4-8*
- GaN FET, large-sig. model, nonlin. anal., Volterra series. *Islam, S.S.*, +, *MWSYM 02 267-270* vol.1
- GaN HEMT MMIC power amp. design appls. *Pribble, W.L.*, +, *MWSYM 02 1819-1822* vol.3
- GaN MESFET nonlinearities, large-sig. model, Volterra series. *Islam, S.S.*, +, *RFIC 02 351-354*
- GaN wide-bandgap microwave MESFETs, trapping effects. *Binari, S.C.*, +, *MWSYM 02 1823-1826* vol.3
- SiC MESFET MMIC power amp. design appls. *Pribble, W.L.*, +, *MWSYM 02 1819-1822* vol.3
- SiC wide-bandgap microwave MESFETs, trapping effects. *Binari, S.C.*, +, *MWSYM 02 1823-1826* vol.3
- Wire antennas**
- thin-wire model, FDTD method. *Makinen, R.M.*, +, *T-MTT May 02 1245-1255*
- Wireless LAN**
- 3D integrated LTCC module, BGA technol., C-band RF front-end module, WLAN. *Pinel, S.*, +, *MWSYM 02 1553-1556* vol.3
- 5-GHz CMOS WLAN stds. & receiver implement. *Lee, T.H.*, +, *T-MTT Jan 02 268-280*
- Bluetooth 6.5-mW receiver front-end in 0.18- m CMOS. *Beffa, F.*, +, *RFIC 02 391-394*
- broadband integrated LTCC front-end module, IEEE 802.11a WLAN appls. *Lee, C.-H.*, +, *MWSYM 02 1045-1048* vol.2
- CMOS fast-switching freq. synthesizer. *Xiaomin Yang*, +, *MWSYM 02 589-592* vol.1
- CMOS LC VCO, WLAN appls. *Bhattacharjee, J.*, +, *MWSYM 02 585-588* vol.1
- CMOS PLL-based freq. synthesizer for WLAN appls. *Xiaomin Yang*, +, *RFIC 02 479-482*
- CMOS RFIC, ESD protection device, Bluetooth transceiver LNA. *Higashi, K.*, +, *RFIC 02 285-288*
- CMOS transceiver chip components for 802.11b WLAN appl. *O, K.K.*, +, *RFIC 02 103-106*
- EER transmitter, delta-sigma modulation, WLAN and 3G appls. *Kang-Chun Peng*, +, *MWSYM 02 1651-1654* vol.3
- GaAs MESFET MMIC mixers, HIPERLAN appl., low distortion. *Ellinger, F.*, +, *T-MTT Jan 02 178-182*
- HIPERLAN/2 syst., OFDM power-amp. transient tracking. *Bateman, D.*, +, *MWSYM 02 803-806* vol.2
- Ka-band 156 Mbps transceiver for WLAN syst. using PTFE/FR-4 laminated MCMs. *Takahashi, K.*, +, *MWSYM 02 787-790* vol.2
- LC VCO, low power cct., WLAN appl. *Bhattachajee, J.*, +, *RFIC 02 475-478*
- microwave technol. in telecomm. syst., future directions. *Sobol, H.*, *T-MTT Mar 02 1037-1038*
- SiGe BiCMOS LNA, high lin., wide bandwidth, WLAN appl. *Sadowy, J.*, +, *RFIC 02 217-220*
- six-port direct digital receiver and std. direct receiver results for QPSK modulation at high speeds. *Schiel, J.-C.*, +, *MWSYM 02 931-934* vol.2
- SOI based MMICs for C-band WLAN appls. *Pinel, S.*, +, *MWSYM 02 1053-1056* vol.2
- WLAN 5.8-GHz two-stage high-lin. LV LNA, 0.35- m CMOS technol. *Ren-Chieh Liu*, +, *RFIC 02 221-224*
- Wires (electric)**
- thin-wire model, FDTD method. *Makinen, R.M.*, +, *T-MTT May 02 1245-1255*
- X**
- X-ray lithography; cf. LIGA**
- X-rays; cf. Bremsstrahlung**
- Y**
- Yagi antenna arrays**
- adjoint sensitivity tech. for EM design optim., Yagi-Uda array and rect. patch antenna. *Georgieva, N.K.*, +, *MWSYM 02 971-974* vol.2
- K-band beam-steering quasi-Yagi array, mixing freq. compensation. *Nishio, T.*, +, *MWSYM 02 1345-1348* vol.2
- Yttrium compounds**
- YBaCuO HTSC microwave filters, tuning by laser trimming. *Parker, N.J.*, +, *MWSYM 02 1971-1974* vol.3
- YBaCuO low-loss 5GHz bandpass filter using HTS CPW qtr.-wavelength resonators. *Zhewang Ma*, +, *MWSYM 02 1967-1970* vol.3
- YBaCuO supercond. bandpass filter, Chebyshev rejection, 3G/4G wireless appl. *Tsuzuki, G.*, +, *MWSYM 02 1963-1966* vol.3
- Z**
- Zirconium alloys**
- Co₈₅Nb₁₂Zr₃ film, ferromag. RF integrated inductor. *Yarnaguchi, M.*, +, *MWSYM 02 197-200* vol.1
- Z transforms**
- 3D SCN TLM method, Z-transform-based ABC. *Zhenhai Shao*, +, *T-MTT Jan 02 222-225*