

2003 Index

IEEE Microwave and Wireless Components Letters

Vol. 13

This index covers all technical items — papers, correspondence, reviews, etc. — that appeared in this periodical during 2003, and items from previous years that were commented upon or corrected in 2003. Departments and other items may also be covered if they have been judged to have archival value.

The Author Index contains the primary entry for each item, listed under the first author's name. The primary entry includes the coauthors' names, the title of the paper or other item, and its location, specified by the publication abbreviation, year, month, and inclusive pagination. The Subject Index contains entries describing the item under all appropriate subject headings, plus the first author's name, the publication abbreviation, month, and year, and inclusive pages. Subject cross-references are included to assist in finding items of interest. Note that the item title is found only under the primary entry in the Author Index.

AUTHOR INDEX

A

- Abtahi, M.**, see Forouzan, A.R., *MWCL Aug 03* 308-310
Aceves, M., see Reynoso-Hernandez, J.A., *MWCL Dec 03* 508-510
Adesida, I., see Schwindt, R.S., *MWCL Mar 03* 93-95
Ahn, M., see Dongsu Kim, *MWCL Oct 03* 434-436
Ahn Young-Sik, see Yong-Joon Jeon, *MWCL Mar 03* 102-104
Akpinar, M., see Gorur, A., *MWCL Sep 03* 385-387
Alimenti, F., and L. Roselli. On the numerical errors induced by the space-time discretization in the LE-FDTD method; *MWCL Mar 03* 131-133
Allen, M.G., see Dongsu Kim, *MWCL Oct 03* 434-436
Alterovitz, S.A., see Ponchak, G.E., *MWCL Nov 03* 463-465
Amari, S., and U. Rosenberg. A universal building block for advanced modular design of microwave filters; *MWCL Dec 03* 541-543
Angelaccio, M., B. Buttarazzi, R. Giuliano, and G. Guidoni. Efficient WISH in an indoor environment; *MWCL Aug 03* 311-313
Angelov, I., see Ferndahl, M., *MWCL Nov 2003* 523-525
Anguera, J., G. Font, C. Puente, C. Borja, and J. Soler. Multifrequency microstrip patch antenna using multiple stacked elements; *MWCL Mar 03* 123-124
An Ping Zhao Determination of the direction that has maximum phase-velocity for the 2-D and 3-D FDTD methods based on Yee's algorithm; *MWCL Jun 03* 226-228
Aoyama, S., see Onodera, K., *MWCL Jul 03* 256-258

B

- Bachtold, W.**, see Brauner, T., *MWCL Apr 03* 161-163
Bachtold, W., see Orzati, A., *MWCL Jun 03* 202-204
Baek Donghyun, see Donghyun Baek, *MWCL Oct 03* 443-445
Baek Donghyun, see Donghyun Baek, *MWCL Oct 03* 446-448
Baek Dong-Hyun, see Jeong-Geun Kim, *MWCL Nov 03* 478-480
Bakr, M.H., and N.K. Nikolova. An adjoint variable method for frequency domain TLM problems with conducting boundaries; *MWCL Sep 03* 408-410
Banciu, M.G., R. Ramer, and A. Ioachim. Compact microstrip resonators for 900 MHz frequency band; *MWCL May 2003* 175-177
Bandudej, K., see Chongcheawchamnan, M., *MWCL Jul 03* 281-283
Baofu Jia, see Yanyu Wei, *MWCL Nov 03* 484-486
Bardati, F., see Di Giampaolo, E., *MWCL Aug 03* 296-298
Belitsky, V., see Risacher, C., *MWCL Mar 03* 96-98
Belitsky, V., see Risacher, C., *MWCL Jul 03* 262-264
Benedikter, H., see Orzati, A., *MWCL Jun 03* 202-204
Beomkyu Ko, see Tae Wook Kim, *MWCL Jun 03* 205-207
Beomkyu Ko, see Tae Wook Kim, *MWCL Sep 03* 420-422
Bernhard, J.T., see Huff, G.H., *MWCL Feb 03* 57-59
Bernhard, J.T., see Langer, J.-C., *MWCL Mar 03* 120-122
Bito, J., see Sinka, C., *MWCL Aug 03* 317-319
Bito, J., see Novak, C., *MWCL Aug 03* 320-322
Blondy, P., see Chatras, M., *MWCL Dec 03* 535-537

- Blundell, R.**, see Tong, C.-Y.E., *MWCL Jun 03* 235-237
Blundell, R., see Meledin, D., *MWCL Nov 03* 493-495
Boehm, K., see Lindenmeier, S., *MWCL Aug 03* 326-328
Bonache, J., see Martin, F., *MWCL Sep 03* 393-395
Bonache, J., see Martin, F., *MWCL Dec 03* 511-513
Bongkoo Kang, see Kun-Hui Yi, *MWCL May 2003* 178-180
Bonkee Kim, see Tae Wook Kim, *MWCL Jun 03* 205-207
Bonkee Kim, see Tae Wook Kim, *MWCL Sep 03* 420-422
Borja, C., see Anguera, J., *MWCL Mar 03* 123-124
Branner, G.R., see Kumar, B.P., *MWCL Mar 03* 134-136
Brauner, T., R. Vogt, and W. Bachtold. A differential active patch antenna element for array applications; *MWCL Apr 03* 161-163
Budimir, D., see Goussetis, G., *MWCL Jun 03* 193-195
Bu Jong-Uk, see Young-Joon Ko, *MWCL Jul 03* 276-278
Bumjae Shin, see Youngoo Yang, *MWCL Sep 03* 370-372
Bumman Kim, see Youngoo Yang, *MWCL Sep 03* 370-372
Buttarazzi, B., see Angelaccio, M., *MWCL Aug 03* 311-313
Byoung Moo Lee, see Sewoong Kwon, *MWCL Feb 03* 54-56
Byungdu Oh, see Yunseong Eo, *MWCL Jul 03* 259-261
Byungje Lee, see Kyoung-Joon Cho, *MWCL Oct 03* 452-454
Byung-Jun Jang Voltage-controlled PIN diode attenuator with a temperature-compensation circuit; *MWCL Jan 03* 7-9

C

- Caloz, C.**, and T. Itoh. Positive/negative refractive index anisotropic 2-D metamaterials; *MWCL Dec 03* 547-549
Capone, A., M. Cesana, G. D'Onofrio, and L. Fratta. Mixed traffic in UMTS downlink; *MWCL Aug 03* 299-301
Carrillo-Ramirez, R., and R.W. Jackson. A technique for interconnecting millimeter wave integrated circuits using BCB and bump bonds; *MWCL Jun 03* 196-198
Cassivi, Y., and K. Wu. Low cost microwave oscillator using substrate integrated waveguide cavity; *MWCL Feb 03* 48-50
Cazaux, J.L., see Chatras, M., *MWCL Dec 03* 535-537
Cesana, M., see Capone, A., *MWCL Aug 03* 299-301
Cha Choong-Yul, see Choong-Yul Cha, *MWCL Jul 03* 253-255
Cha Jeonghyeon, see Youngoo Yang, *MWCL Sep 03* 370-372
Chaker, M., see Delprat, S., *MWCL Jun 03* 211-213
Chan, K.T., C.H. Huang, A. Chin, M.F. Li, Dim-Lee Kwong, S.P. McAlister, D.S. Duh, and W.J. Lin. Large Q-factor improvement for spiral inductors on silicon using proton implantation; *MWCL Nov 03* 460-462
Chan, K.T., A. Chin, Y.D. Lin, C.Y. Chang, C.X. Zhu, M.F. Li, D.L. Kwong, S. McAlister, D.S. Duh, and W.J. Lin. Integrated antennas on Si with over 100 GHz performance, fabricated using an optimized proton implantation process; *MWCL Nov 03* 487-489
Chang, C.Y., see Chan, K.T., *MWCL Nov 03* 487-489
Chang, C.-Y., and C.-C. Chen. A novel coupling structure suitable for cross-coupled filters with folded quarter-wave resonators; *MWCL Dec 03* 517-519
Chang, Y.-C., see Liao, S.-S., *MWCL Dec 03* 529-531
Chang Hong-Yeh, see Hong-Yeh Chang, *MWCL Apr 03* 143-145
Chang Kai, see Sang-Gyu Kim, *MWCL Jan 03* 19-20
Chang Tien-Yu, see Tien-Yu Chang, *MWCL Jun 03* 214-216
Chappell, W.J., see Xun Gong, *MWCL Oct 03* 428-430
Chatras, M., P. Blondy, D. Cros, O. Vendier, and J.L. Cazaux. A surface-mountable membrane supported filter; *MWCL Dec 03* 535-537
Chen, B., see Yu, T.-B., *MWCL Aug 03* 348-350
Chen, B., see Lu, F., *MWCL Aug 03* 354-356
Chen, C.-C., see Chang, C.-Y., *MWCL Dec 03* 517-519
Chen, C.L., see Liu, J.H., *MWCL May 2003* 181-183
Chen, D., and Z. Shen. Bi-directional coupling between two coupled transmission lines; *MWCL Dec 03* 514-516
Chen, H.-K., see Liao, S.-S., *MWCL Dec 03* 529-531
Chen, L.F., see Neo, C.P., *MWCL Jan 03* 24-26
Chen, Y.-C., see Wu, C.-K., *MWCL Aug 03* 343-344
Chen Chun Hsiung, see Tien-Yu Chang, *MWCL Jun 03* 214-216
Cheng, K.-K.M., see Cheng, S.-H., *MWCL Aug 03* 329-331

- Cheng, S.-H.**, K.-K.M. Cheng, and K.-L. Wu. Low phase-noise integrated voltage controlled oscillator design using LTCC technology; *MWCL Aug 03* 329-331
- Cheng-Chi Yen**, and Huey-Ru Chuang. A 0.25- μm 20-dBm 2.4-GHz CMOS power amplifier with an integrated diode linearizer; *MWCL Feb 03* 45-47
- Cheng Tun-Ruey**, see Ching-Wen Hsue, *MWCL Mar 03* 137-139
- Chen Ho-Chung**, see Ho-Chung Chen, *MWCL Mar 03* 111-113
- Chen Hsien-Ku**, see Shry-Sann Liao, *MWCL Jun 03* 241-243
- Chen Hwan-Mei**, see Ching-Wen Hsue, *MWCL Mar 03* 137-139
- Chen Linfeng**, see Tan, C.Y., *MWCL Jun 03* 247-249
- Chen Sin-Ping**, see Jen-Tsai Kuo, *MWCL Oct 03* 440-442
- Chen Yan**, see Yan Chen, *MWCL Jun 03* 199-201
- Chen Zhizhang**, see Yan Chen, *MWCL Jun 03* 199-201
- Cheol-Gyu Hwang**, Jeong-Seon Lee, Jeong-Hoon Kim, Noh-Hoon Myung, and Jong-In Song. Simple K-band MMIC VCO utilizing a miniaturized hairpin resonator and a three-terminal p-HEMT varactor with low phase noise and high output power properties; *MWCL Jun 03* 229-231
- Chi-Chung Chien**, see Yu-Hsun Huang, *MWCL Mar 03* 105-107
- Chien Chi-Chung**, see Yu-Hsun Huang, *MWCL Mar 03* 105-107
- Chin, A.**, see Yang, M.Y., *MWCL Oct 03* 431-433
- Chin, A.**, see Chan, K.T., *MWCL Nov 03* 460-462
- Chin, A.**, see Chan, K.T., *MWCL Nov 03* 487-489
- Ching-Wen Hsue**, Tun-Ruey Cheng, and Hwan-Mei Chen. A second-order microwave differentiator; *MWCL Mar 03* 137-139
- Chini, A.**, see Shouxuan Xie, *MWCL Jul 03* 284-286
- Chiu Tsenchieh**, see Tsenchieh Chiu, *MWCL Feb 03* 66-68
- Cho, B.J.**, see Yang, M.Y., *MWCL Oct 03* 431-433
- Choi, B.G.**, M.G. Stubbs, and C.S. Park. A Ka-band narrow bandpass filter using LTCC technology; *MWCL Sep 03* 388-389
- Choi Ji-Youn**, see Yong-Joon Jeon, *MWCL Mar 03* 102-104
- Choi Yoonsu**, see Dongsu Kim, *MWCL Oct 03* 434-436
- Choi Young-Wan**, see Sang-Hyun Park, *MWCL Feb 03* 75-77
- Cho Kyoung-Joon**, see Kyoung-Joon Cho, *MWCL Oct 03* 452-454
- Chongcheawchamnan, M.**, Choon Yong Ng, K. Bandudej, A. Worapishet, and I.D. Robertson. On miniaturization isolation network of an all-ports matched impedance-transforming Marchand Balun; *MWCL Jul 03* 281-283
- Chong-Jin Ong**, and Leung Tsang. Time domain Green's functions for lossy and dispersive multilayered media; *MWCL Sep 03* 399-401
- Choong-Yul Cha**, Jin-Pil Kim, and Sang-Gug Lee. Small-signal substrate resistance effect in RF CMOS cascode amplifier; *MWCL Jul 03* 253-255
- Choon Yong Ng**, see Chongcheawchamnan, M., *MWCL Jul 03* 281-283
- Chuang, H.-R.**, see Liao, C.-H., *MWCL Dec 03* 526-528
- Chuang Huey-Ru**, see Cheng-Chi Yen, *MWCL Feb 03* 45-47
- Chuang Huey-Ru**, see Yuan-Kai Chu, *MWCL Jul 03* 287-289
- Chul Park Dong**, see Yun Kwon Nam, *MWCL Feb 03* 63-65
- Chun Hsiung Chen**, see Tien-Yu Chang, *MWCL Jun 03* 214-216
- Chun-Lin Liao**, see Tien-Yu Chang, *MWCL Jun 03* 214-216
- Chunxiang Zhu**, see Yang, M.Y., *MWCL Oct 03* 431-433
- Chu Yuan-Kai**, see Yuan-Kai Chu, *MWCL Jul 03* 287-289
- Coffie, R.**, see Shouxuan Xie, *MWCL Jul 03* 284-286
- Colwell, M.**, and L.W. Pearson. Enhancement of locking range through reactive loading on the feedback path; *MWCL Sep 03* 417-419
- Cordier, Y.**, see Vellas, N., *MWCL Mar 03* 99-101
- Corral, J.L.**, see Vidal, B., *MWCL Jun 03* 238-240
- Cossu, A.**, G. Gilardi, P. Tommasino, A. Trifiletti, and A. Vannucci. A method for microwave characterization of LiNbO₃ modulators; *MWCL Feb 03* 60-62
- Cros, D.**, see Chatras, M., *MWCL Dec 03* 535-537
- Cummer, S.A.** A simple, nearly perfectly matched layer for general electromagnetic media; *MWCL Mar 03* 128-130
- Delprat, S.**, M. Ouaddari, F. Vidal, M. Chaker, and Ke Wu. Voltage and frequency dependent dielectric properties of BST-0.5 thin films on alumina substrates; *MWCL Jun 03* 211-213
- DeNatale, J.F.**, see Guan-Leng Tan, *MWCL Apr 03* 146-148
- DenBaars, S.P.**, see Shouxuan Xie, *MWCL Jul 03* 284-286
- Denk, R.**, see Hausner, J., *MWCL Aug 03* 302-304
- Detlefsen, J.**, R. Ranson, and R. Sorrentino. Guest editorial: Special issue on 2002 European Conference on Wireless Technology [special section intro.]; *MWCL Aug 03* 293
- Di, Y.**, P. Gardner, P.S. Hall, H. Ghafouri-Shiraz, and J. Zhou. Multiple-coupled microstrip hairpin-resonator filter; *MWCL Dec 03* 532-534
- Di Giampaolo, E.**, F. Bardati, and M. Sabbadini. Preconditioned astigmatic beam tracing for urban propagation; *MWCL Aug 03* 296-298
- Dim-Lee Kwong**, see Yang, M.Y., *MWCL Oct 03* 431-433
- Dim-Lee Kwong**, see Chan, K.T., *MWCL Nov 03* 460-462
- Ding, J.**, see Neo, C.P., *MWCL Jan 03* 24-26
- Ding Yan**, see Ke-Li Wu, *MWCL Sep 03* 390-392
- Do-Hong, T.**, and P. Russer. An analysis of wideband direction-of-arrival estimation for closely spaced sources in the presence of array model errors; *MWCL Aug 03* 314-316
- Dong Chul Park**, see Yun Kwon Nam, *MWCL Feb 03* 63-65
- Dong Gun Kam**, Heeseok Lee, Jonghoon Kim, and Joungcho Kim. A new twisted differential line structure on high-speed printed circuit boards to enhance immunity to crosstalk and external noise; *MWCL Sep 03* 411-413
- Dong-Hee Jang**, see Kyoung-Joon Cho, *MWCL Oct 03* 452-454
- Donghyun Baek**, Jeonggeun Kim, and Songcheol Hong. A dual-band (13/22-GHz) VCO based on resonant mode switching; *MWCL Oct 03* 443-445
- Donghyun Baek**, Taeksang Song, Euisik Yoon, and Songcheol Hong. 8-GHz CMOS quadrature VCO using transformer-based LC tank; *MWCL Oct 03* 446-448
- Dong-Hyun Baek**, see Jeong-Geun Kim, *MWCL Nov 03* 478-480
- Dongsu Kim**, Yoonsu Choi, M. Ahn, M.G. Allen, J. Stevenson Kenney, and P. Marry. 2.4 GHz continuously variable ferroelectric phase shifters using all-pass networks; *MWCL Oct 03* 434-436
- D'Onofrio, G.**, see Capone, A., *MWCL Aug 03* 299-301
- Doo-Chan Jung**, see Yong-Joon Jeon, *MWCL Mar 03* 102-104
- Downey, A.N.**, see Ponchak, G.E., *MWCL Nov 03* 463-465
- Duh, D.S.**, see Chan, K.T., *MWCL Nov 03* 460-462
- Duh, D.S.**, see Chan, K.T., *MWCL Nov 03* 487-489
- Dussopt, L.**, and G.M. Rebeiz. A low phase noise silicon 18-GHz push-push VCO; *MWCL Jan 03* 4-6
- Dussopt, L.**, and G.M. Rebeiz. An X- to ku-band 3-bit digital MEMS varactor; *MWCL Sep 03* 361-363

E

- Ehlert, M.**, see Huang, Y., *MWCL Aug 03* 338-339
- Eleftheriades, G.V.**, O. Siddiqui, and A.K. Iyer. Transmission line models for negative refractive index media and associated implementations without excess resonators; *MWCL Feb 03* 51-53
- Eleftheriades, G.V.**, see Grbic, A., *MWCL Apr 03* 155-157
- Ellis, T.J.** Comments on "Surface wave enhanced broadband planar antenna for wireless applications"; *MWCL Jun 03* 250-251
- El-Shenawee, M.**, and C. Rappaport. Electromagnetic scattering interference between two shallow objects buried under 2-D random rough surfaces; *MWCL Jun 03* 223-225
- Elsherbeni, A.Z.**, see Yakovlev, A.B., *MWCL Mar 03* 125-127
- Eo Yunseong**, see Yunseong Eo, *MWCL Jul 03* 259-261
- Euisik Yoon**, see Donghyun Baek, *MWCL Oct 03* 446-448
- Euler, T.**, and J. Papapolymerou. Silicon micromachined EBG resonator and two-pole filter with improved performance characteristics; *MWCL Sep 03* 373-375

F

- Falcone, F.**, see Martin, F., *MWCL Sep 03* 393-395
- Falcone, F.**, see Martin, F., *MWCL Dec 03* 511-513
- Feng, J.**, see Huff, G.H., *MWCL Feb 03* 57-59
- Feng-Jung Huang**, see Zhenbiao Li, *MWCL Jan 03* 1-3
- Fern Dahl, M.**, H.-O. Vicks, H. Zirath, I. Angelov, F. Ingvarson, and A. Litwin. 90-nm CMOS for microwave power applications; *MWCL Nov 2003* 523-525
- Ferrero, A.**, see Teppati, V., *MWCL Apr 03* 152-154
- Firmansyah, L.S.**, see Karmakar, N.C., *MWCL Jan 03* 13-15
- Font, G.**, see Anguera, J., *MWCL Mar 03* 123-124

D

- Dambrine, G.**, see Siligaris, A., *MWCL Oct 03* 449-451
- D'Amico, M.**, A. Leva, and B. Micheli. Free-space optics communication systems: first results from a pilot field-trial in the surrounding area of Milan, Italy; *MWCL Aug 03* 305-307
- Danneville, F.**, see Siligaris, A., *MWCL Oct 03* 449-451
- Decoopman, T.**, X. Melique, O. Vanbesien, and D. Lippens. A taper filtering finline at millimeter wavelengths for broadband harmonic multiplication; *MWCL May 2003* 172-174
- Deen, M.J.**, see Kouzaev, G.A., *MWCL Nov 03* 481-483
- De Jaeger, J.C.**, see Vellas, N., *MWCL Mar 03* 99-101

- Forouzan, A.R.**, and M. Abtahi. Application of convolutional error correcting codes in ultrawideband M-ary PPM signaling; *MWCL Aug 03* 308-310
- Fratta, L.**, see Capone, A., *MWCL Aug 03* 299-301
- Freeman, J.C.**, see Ponchak, G.E., *MWCL Nov 03* 463-465
- Freundorfer, A.P.**, see Xizhen Tian, *MWCL Jun 03* 208-210
- Fries, M.K.**, M. Grani, and R. Vahldieck. A reconfigurable slot antenna with switchable polarization; *MWCL Nov 03* 490-492
- Fujii, M.**, D. Lukashevich, I. Sakagami, and P. Russer. Convergence of FDTD and wavelet-collocation modeling of curved dielectric interface with the effective dielectric constant technique; *MWCL Nov 03* 469-471

G

- Gang Zhao**, Yan Qing Zeng, and Q.H. Liu. The 3-D multidomain pseudospectral time-domain method for wideband simulation; *MWCL May 2003* 184-186
- Gang Zhao**, and Q.H. Liu. The unconditionally stable pseudospectral time-domain (PSTD) method; *MWCL Nov 03* 475-477
- Gao, C.**, see Lu, F., *MWCL Aug 03* 354-356
- Gaquiore, C.**, see Vellas, N., *MWCL Mar 03* 99-101
- Gardner, P.**, see Di, Y., *MWCL Dec 03* 532-534
- Gebara, E.**, see Nuttinck, S., *MWCL Apr 03* 140-142
- Gebara, E.**, see Nuttinck, S., *MWCL Apr 03* 149-151
- Geshiro, M.**, see Kitamura, T., *MWCL Aug 03* 357-359
- Ghafouri-Shiraz, H.**, see Di, Y., *MWCL Dec 03* 532-534
- Gibson, H.**, see Tong, C.-Y.E., *MWCL Jun 03* 235-237
- Gilardi, G.**, see Cossu, A., *MWCL Feb 03* 60-62
- Gil Joonho**, see Joonho Gil, *MWCL Nov 03* 457-459
- Giuliano, R.**, see Angelaccio, M., *MWCL Aug 03* 311-313
- Goltsman, G.**, see Meledin, D., *MWCL Nov 03* 493-495
- Gong Xun**, see Xun Gong, *MWCL Oct 03* 428-430
- Gorur, A.**, and C. Karpuz. Uniplanar compact wideband bandstop filter; *MWCL Mar 03* 114-116
- Gorur, A.**, C. Karpuz, and M. Akpinar. A reduced-size dual-mode bandpass filter with capacitively loaded open-loop arms; *MWCL Sep 03* 385-387
- Goussetis, G.**, and D. Budimir. Novel periodically loaded E-plane filters; *MWCL Jun 03* 193-195
- Grani, M.**, see Fries, M.K., *MWCL Nov 03* 490-492
- Grbic, A.**, and G.V. Eleftheriades. Dispersion analysis of a microstrip-based negative refractive index periodic structure; *MWCL Apr 03* 155-157
- Grivet-Talocia, S.** Package macromodeling via time-domain vector fitting; *MWCL Nov 03* 472-474
- Gu, M.-G.**, see Kim, K.-W., *MWCL Aug 03* 335-337
- Guan-Leng Tan**, R.E. Mihailovich, J.B. Hacker, J.F. DeNatale, and G.M. Rebeiz. A 2-bit miniature X-band MEMS phase shifter; *MWCL Apr 03* 146-148
- Guidoni, G.**, see Angelaccio, M., *MWCL Aug 03* 311-313
- Guinn, K.**, see Radisic, V., *MWCL Aug 03* 332-334
- Gun Kam Dong**, see Dong Gun Kam, *MWCL Sep 03* 411-413
- Gun-Sik Park**, see Yanyu Wei, *MWCL Nov 03* 484-486

H

- Hacker, J.**, see Hao Xin, *MWCL Mar 03* 108-110
- Hacker, J.B.**, see Guan-Leng Tan, *MWCL Apr 03* 146-148
- Hai-Young Lee**, see Jin-Yang Kim, *MWCL Jul 03* 279-280
- Hall, P.S.**, see Di, Y., *MWCL Dec 03* 532-534
- Hao Xin**, A. Higgins, J. Hacker, Moonil Kim, and M. Rosker. Electromagnetic crystal (EMXT) waveguide band-stop filter; *MWCL Mar 03* 108-110
- Harris, M.**, see Nuttinck, S., *MWCL Apr 03* 140-142
- Harris, M.**, see Nuttinck, S., *MWCL Apr 03* 149-151
- Hausner, J.**, and R. Denk. Implementation of signal processing algorithms for 3G and beyond; *MWCL Aug 03* 302-304
- Heeseok Lee**, see Dong Gun Kam, *MWCL Sep 03* 411-413
- Heikman, S.**, see Shouxuan Xie, *MWCL Jul 03* 284-286
- Hendro, P.**, see Karmakar, N.C., *MWCL Jan 03* 13-15
- Herrera, M.**, see Reynoso-Hernandez, J.A., *MWCL Dec 03* 508-510
- Hesselbarth, J.**, and R. Vahldieck. Resonance frequencies calculated efficiently with the frequency-domain TLM method; *MWCL May 2003* 190-192
- Higgins, A.**, see Hao Xin, *MWCL Mar 03* 108-110
- Ho, V.**, see Radisic, V., *MWCL Aug 03* 332-334
- Ho-Chung Chen**, and C.-K.C. Tzuang. All-planar dual-mode asymmetric filters at Ka-band; *MWCL Mar 03* 111-113

- Hoel, V.**, see Vellas, N., *MWCL Mar 03* 99-101
- Hong Songcheol**, see Donghyun Baek, *MWCL Oct 03* 443-445
- Hong Songcheol**, see Donghyun Baek, *MWCL Oct 03* 446-448
- Hong Songcheol**, see Jeong-Geun Kim, *MWCL Nov 03* 478-480
- Hong-Yeh Chang**, Huei Wang, M. Yu, and Yonghui Shu. A 77-GHz MMIC power amplifier for automotive radar applications; *MWCL Apr 03* 143-145
- Hsien-Ku Chen**, see Shry-Sann Liao, *MWCL Jun 03* 241-243
- Hsiung Chen Chun**, see Tien-Yu Chang, *MWCL Jun 03* 214-216
- Hsue Ching-Wen**, see Ching-Wen Hsue, *MWCL Mar 03* 137-139
- Huang, C.H.**, see Yang, M.Y., *MWCL Oct 03* 431-433
- Huang, C.H.**, see Chan, K.T., *MWCL Nov 03* 460-462
- Huang, Y.**, K.-L. Wu, and M. Ehlert. An integrated LTCC laminated waveguide-to-microstrip line T-junction; *MWCL Aug 03* 338-339
- Huang Feng-Jung**, see Zhenbiao Li, *MWCL Jan 03* 1-3
- Huang Yu-Hsun**, see Yu-Hsun Huang, *MWCL Mar 03* 105-107
- Huei Wang**, see Hong-Yeh Chang, *MWCL Apr 03* 143-145
- Huey-Ru Chuang**, see Cheng-Chi Yen, *MWCL Feb 03* 45-47
- Huey-Ru Chuang**, see Yuan-Kai Chu, *MWCL Jul 03* 287-289
- Huff, G.H.**, J. Feng, S. Zhang, and J.T. Bernhard. A novel radiation pattern and frequency reconfigurable single turn square spiral microstrip antenna; *MWCL Feb 03* 57-59
- Hwang Cheol-Gyu**, see Cheol-Gyu Hwang, *MWCL Jun 03* 229-231
- Hwan-Mei Chen**, see Ching-Wen Hsue, *MWCL Mar 03* 137-139
- Hyeongdong Kim**, see Saehoon Ju, *MWCL Sep 03* 405-407
- Hyeongdong Kim**, see Saehoon Ju, *MWCL Sep 03* 414-416
- Hyungcheol Shin**, see Joonho Gil, *MWCL Nov 03* 457-459
- Hyung-Hoon Kim**, see Saehoon Ju, *MWCL Sep 03* 405-407
- Hyung-Wook Kim**, see Yong-Joon Jeon, *MWCL Mar 03* 102-104
- Hyunjin Lee**, see Joonho Gil, *MWCL Nov 03* 457-459
- Hyun Yoon**, see Zhenbiao Li, *MWCL Jan 03* 1-3

I

- Ingvarson, F.**, see Ferndahl, M., *MWCL Nov 2003* 523-525
- Ioachim, A.**, see Banciu, M.G., *MWCL May 2003* 175-177
- Ishii, T.**, see Onodera, K., *MWCL Jul 03* 256-258
- Ishizaki, T.**, see Kitamura, T., *MWCL Aug 03* 357-359
- Itoh, T.**, see Leong, K.M.K.H., *MWCL Jun 03* 251-252
- Itoh, T.**, see Caloz, C., *MWCL Dec 03* 547-549
- Ivanov, S.A.**, and V.N. Peshlov. Ring-resonator method - effective procedure for investigation of microstrip line; *MWCL Jun 03* 244-246
- Iyer, A.K.**, see Eleftheriades, G.V., *MWCL Feb 03* 51-53

J

- Jackson, R.W.**, see Carrillo-Ramirez, R., *MWCL Jun 03* 196-198
- Jae-Woo Park**, see Jeong-Geun Kim, *MWCL Nov 03* 478-480
- Jae-Yeong Park**, see Young-Joon Ko, *MWCL Jul 03* 276-278
- Jang Byung-Jun**, see Byung-Jun Jang, *MWCL Jan 03* 7-9
- Jang Dong-Hee**, see Kyoung-Joon Cho, *MWCL Oct 03* 452-454
- Jensen, B.D.**, K. Saitou, J.L. Volakis, and K. Kurabayashi. Fully integrated electrothermal multidomain modeling of RF MEMS switches; *MWCL Sep 03* 364-366
- Jen-Tsai Kuo**, Sin-Ping Chen, and Meshon Jiang. Parallel-coupled microstrip filters with over-coupled end stages for suppression of spurious responses; *MWCL Oct 03* 440-442
- Jeong, J.**, see Kim, J., *MWCL Dec 03* 505-507
- Jeong, S.-G.**, see Jeong, Y.-C., *MWCL Dec 03* 538-540
- Jeong, Y.-C.**, S.-G. Jeong, J.-S. Lim, and S. Nam. A new method to suppress harmonics using $\sqrt{F_{128}/F_{255}}$ bias line combined by defected ground structure in power amplifiers; *MWCL Dec 03* 538-540
- Jeonggeun Kim**, see Donghyun Baek, *MWCL Oct 03* 443-445
- Jeong-Geun Kim**, Dong-Hyun Baek, Sanghoon Jeon, Jae-Woo Park, and Songcheol Hong. A K-band InGaP/GaAs HBT balanced MMIC VCO; *MWCL Nov 03* 478-480
- Jeong-Hoon Kim**, see Cheol-Gyu Hwang, *MWCL Jun 03* 229-231
- Jeonghyeon Cha**, see Youngoo Yang, *MWCL Sep 03* 370-372
- Jeong-Seon Lee**, see Cheol-Gyu Hwang, *MWCL Jun 03* 229-231
- Jeon Sanghoon**, see Jeong-Geun Kim, *MWCL Nov 03* 478-480
- Jeon Yong-Joon**, see Yong-Joon Jeon, *MWCL Mar 03* 102-104
- Jessie, D.**, and L. Larson. An improved leaded small outline package and equivalent circuit; *MWCL Jul 03* 273-275
- Jia Baofu**, see Yanyu Wei, *MWCL Nov 03* 484-486
- Jiahong Sun**, see Yanyu Wei, *MWCL Nov 03* 484-486

- Jiang, X.**, A.L. Martin, and A. Mortazawi. A class-B push-pull power amplifier based on an extended resonance technique; *MWCL Dec 03* 550-552
- Jiang Meshon**, see Jen-Tsai Kuo, *MWCL Oct 03* 440-442
- Jian Lu**, see Tan, C.Y., *MWCL Jun 03* 247-249
- Jin-Ho Shin**, see Yong-Joon Jeon, *MWCL Mar 03* 102-104
- Jinjun Mo**, see Shaobin Liu, *MWCL May 2003* 187-189
- Jin-Pil Kim**, see Choong-Yul Cha, *MWCL Jul 03* 253-255
- Jin-Yang Kim**, and Hai-Young Lee. Wideband and compact bandstop filter structure using double-plane superposition; *MWCL Jul 03* 279-280
- Ji-Youn Choi**, see Yong-Joon Jeon, *MWCL Mar 03* 102-104
- Jong-Chul Lee**, see Kyoung-Joon Cho, *MWCL Oct 03* 452-454
- Jong-Gwan Yook**, see Sewoong Kwon, *MWCL Feb 03* 54-56
- Jong-Heon Kim**, see Kyoung-Joon Cho, *MWCL Oct 03* 452-454
- Jonghoon Kim**, see Dong Gun Kam, *MWCL Sep 03* 411-413
- Jong-In Song**, see Cheol-Gyu Hwang, *MWCL Jun 03* 229-231
- Jong-Uk Bu**, see Young-Joon Ko, *MWCL Jul 03* 276-278
- Jong-Won Kim**, see Yong-Joon Jeon, *MWCL Mar 03* 102-104
- Joong Yoon Young**, see Sewoong Kwon, *MWCL Feb 03* 54-56
- Joonho Gil**, Seong-Sik Song, Hyunjin Lee, and Hyungcheol Shin. A -119.2 dBc/Hz at 1 MHz, 1.5 mW, fully integrated, 2.5-GHz, CMOS VCO using helical inductors; *MWCL Nov 03* 457-459
- Joungcho Kim**, see Dong Gun Kam, *MWCL Sep 03* 411-413
- Jung Doo-Chan**, see Yong-Joon Jeon, *MWCL Mar 03* 102-104
- Jung Kyung-Young**, see Saehoon Ju, *MWCL Sep 03* 414-416
- Ju Saehoon**, see Saehoon Ju, *MWCL Sep 03* 405-407
- Ju Saehoon**, see Saehoon Ju, *MWCL Sep 03* 414-416

K

- Kai Chang**, see Sang-Gyu Kim, *MWCL Jan 03* 19-20
- Kam Dong Gun**, see Dong Gun Kam, *MWCL Sep 03* 411-413
- Kamgaing, T.**, and O.M. Ramahi. A novel power plane with integrated simultaneous switching noise mitigation capability using high impedance surface; *MWCL Jan 03* 21-23
- Kaneko, T.**, see Kushta, T., *MWCL May 2003* 169-171
- Kang Bongkoo**, see Kun-Hui Yi, *MWCL May 2003* 178-180
- Karmakar, N.C.**, P. Hendro, and L.S. Firmansyah. Shorting strap tunable single feed dual-band PIFA; *MWCL Jan 03* 13-15
- Karpuz, C.**, see Gorur, A., *MWCL Mar 03* 114-116
- Karpuz, C.**, see Gorur, A., *MWCL Sep 03* 385-387
- Katehi, L.P.B.**, see Xun Gong, *MWCL Oct 03* 428-430
- Katehi, L.P.B.**, see Yumin Lu, *MWCL Oct 03* 437-439
- Keechul Kim**, see Yunseong Eo, *MWCL Jul 03* 259-261
- Ke-Li Wu**, Lap Kun Yeung, and Yan Ding. An efficient PEEC algorithm for modeling of LTCC RF circuits with finite metal strip thickness; *MWCL Sep 03* 390-392
- Keller, S.**, see Shouxuan Xie, *MWCL Jul 03* 284-286
- Ke Wu**, see Delprat, S., *MWCL Jun 03* 211-213
- Khalladi, M.**, see Yaich, M.I., *MWCL Jun 03* 217-219
- Khan, M.A.**, see Schwindt, R.S., *MWCL Mar 03* 93-95
- Kim, C.-W.**, and Y.-G. Kim. A 2.7-V SiGe HBT variable gain amplifier for CDMA applications; *MWCL Dec 03* 502-504
- Kim, I.S.**, see Seung Wook Park, *MWCL Nov 03* 466-468
- Kim, J.**, W. Ko, S.-H. Kim, J. Jeong, and Y. Kwon. A high-performance 40-85 GHz MMIC SPDT switch using FET-integrated transmission line structure; *MWCL Dec 03* 505-507
- Kim, K.-W.**, M.-G. Gu, J.-G. Yook, and H.-K. Park. Resonator size effects on the TFBAR ladder filter performance; *MWCL Aug 03* 335-337
- Kim, S.-H.**, see Kim, J., *MWCL Dec 03* 505-507
- Kim, Y.-G.**, see Kim, C.-W., *MWCL Dec 03* 502-504
- Kim Bonkee**, see Tae Wook Kim, *MWCL Jun 03* 205-207
- Kim Bonkee**, see Tae Wook Kim, *MWCL Sep 03* 420-422
- Kim Bumman**, see Youngoo Yang, *MWCL Sep 03* 370-372
- Kim Dongsu**, see Dongsu Kim, *MWCL Oct 03* 434-436
- Kim Hyeongdong**, see Saehoon Ju, *MWCL Sep 03* 405-407
- Kim Hyeongdong**, see Saehoon Ju, *MWCL Sep 03* 414-416
- Kim Hyung-Hoon**, see Saehoon Ju, *MWCL Sep 03* 405-407
- Kim Hyung-Wook**, see Yong-Joon Jeon, *MWCL Mar 03* 102-104
- Kim Jeonggeun**, see Donghyun Baek, *MWCL Oct 03* 443-445
- Kim Jeong-Geun**, see Jeong-Geun Kim, *MWCL Nov 03* 478-480
- Kim Jeong-Hoon**, see Cheol-Gyu Hwang, *MWCL Jun 03* 229-231
- Kim Jin-Pil**, see Choong-Yul Cha, *MWCL Jul 03* 253-255
- Kim Jin-Yang**, see Jin-Yang Kim, *MWCL Jul 03* 279-280
- Kim Jong-Heon**, see Kyoung-Joon Cho, *MWCL Oct 03* 452-454

- Kim Jonghoon**, see Dong Gun Kam, *MWCL Sep 03* 411-413
- Kim Jong-Won**, see Yong-Joon Jeon, *MWCL Mar 03* 102-104
- Kim Jounggho**, see Dong Gun Kam, *MWCL Sep 03* 411-413
- Kim Keechul**, see Yunseong Eo, *MWCL Jul 03* 259-261
- Kim Min-Seok**, see Yong-Joon Jeon, *MWCL Mar 03* 102-104
- Kim Moonil**, see Hao Xin, *MWCL Mar 03* 108-110
- Kim Nam-Young**, see Kyoung-Joon Cho, *MWCL Oct 03* 452-454
- Kim Sang-Gyu**, see Sang-Gyu Kim, *MWCL Jan 03* 19-20
- Kim Sang-Hee**, see Kyoung-Joon Cho, *MWCL Oct 03* 452-454
- Kim Tae Wook**, see Tae Wook Kim, *MWCL Jun 03* 205-207
- Kim Tae Wook**, see Tae Wook Kim, *MWCL Sep 03* 420-422
- Kitamura, T.**, K. Yoshida, M. Geshiro, and T. Ishizaki. Proposal of a new folded comb-line filter; *MWCL Aug 03* 357-359
- Ko, W.**, see Kim, J., *MWCL Dec 03* 505-507
- Ko Beomkyu**, see Tae Wook Kim, *MWCL Jun 03* 205-207
- Ko Beomkyu**, see Tae Wook Kim, *MWCL Sep 03* 420-422
- Koh, W.J.**, see Neo, C.P., *MWCL Jan 03* 24-26
- Kouzaev, G.A.**, N.K. Nikolova, and M.J. Deen. Circular-pad via model based on cavity field analysis; *MWCL Nov 03* 481-483
- Ko Young-Joon**, see Young-Joon Ko, *MWCL Jul 03* 276-278
- Kozakowski, P.**, see Lamecki, A., *MWCL Jul 03* 268-270
- Kulas, L.**, and M. Mrozowski. Reduced order models of refined Yee's cells; *MWCL Apr 03* 164-166
- Kuliev, A.**, see Schwindt, R.S., *MWCL Mar 03* 93-95
- Kumar, B.P.**, and G.R. Branner. Optimized design of unique miniaturized planar baluns for wireless applications; *MWCL Mar 03* 134-136
- Kumar, V.**, see Schwindt, R.S., *MWCL Mar 03* 93-95
- Kun-Hui Yi**, and Bongkoo Kang. Modified Wilkinson power divider for nth harmonic suppression; *MWCL May 2003* 178-180
- Kun Yeung Lap**, see Ke-Li Wu, *MWCL Sep 03* 390-392
- Kuo Jen-Tsai**, see Jen-Tsai Kuo, *MWCL Oct 03* 440-442
- Kurabayashi, K.**, see Jensen, B.D., *MWCL Sep 03* 364-366
- Kushta, T.**, K. Narita, T. Kaneko, T. Saeki, and H. Tohya. Resonance stub effect in a transition from a through via hole to a stripline in multilayer PCBs; *MWCL May 2003* 169-171
- Kwon, Y.**, see Kim, J., *MWCL Dec 03* 505-507
- Kwong, D.L.**, see Chan, K.T., *MWCL Nov 03* 487-489
- Kwong Dim-Lee**, see Yang, M.Y., *MWCL Oct 03* 431-433
- Kwong Dim-Lee**, see Chan, K.T., *MWCL Nov 03* 460-462
- Kwon Nam Yun**, see Yun Kwon Nam, *MWCL Feb 03* 63-65
- Kwon Sewoong**, see Sewoong Kwon, *MWCL Feb 03* 54-56
- Kwyo Lee**, see Tae Wook Kim, *MWCL Jun 03* 205-207
- Kwyo Lee**, see Tae Wook Kim, *MWCL Sep 03* 420-422
- Kyoung-Joon Cho**, Dong-Hee Jang, Sang-Hee Kim, Jong-Heon Kim, Byungje Lee, Nam-Young Kim, Jong-Chul Lee, and S.P. Stapleton. Multi-order predistortion of power amplifiers using a second harmonic based technique; *MWCL Oct 03* 452-454
- Kyung-Young Jung**, see Saehoon Ju, *MWCL Sep 03* 414-416

L

- Lai, C.-Y.**, see Liao, S.-S., *MWCL Dec 03* 529-531
- Lamecki, A.**, P. Kozakowski, and M. Mrozowski. Efficient implementation of the Cauchy method for automated CAD-model construction; *MWCL Jul 03* 268-270
- Langer, J.-C.**, J. Zou, C. Liu, and J.T. Bernhard. Micromachined reconfigurable out-of-plane microstrip patch antenna using plastic deformation magnetic actuation; *MWCL Mar 03* 120-122
- Lao, Z.**, see Radisic, V., *MWCL Aug 03* 332-334
- Lap Kun Yeung**, see Ke-Li Wu, *MWCL Sep 03* 390-392
- Larson, L.**, see Jessie, D., *MWCL Jul 03* 273-275
- Laskar, J.**, see Nuttinck, S., *MWCL Apr 03* 140-142
- Laskar, J.**, see Nuttinck, S., *MWCL Apr 03* 149-151
- Laso, M.A.G.**, see Martin, F., *MWCL Sep 03* 393-395
- Lazzi, G.**, see Ozkar, M., *MWCL Jun 03* 220-222
- Lazzi, G.**, see Schmidt, S., *MWCL Aug 03* 345-347
- Leach, M.**, see Smith, D., *MWCL Sep 03* 379-381
- Lee, S.**, see Radisic, V., *MWCL Aug 03* 332-334
- Lee, Y.C.**, and C.S. Park. A novel high-Q LTCC stripline resonator for millimeter-wave applications; *MWCL Dec 03* 499-501
- Lee Byoung Moo**, see Sewoong Kwon, *MWCL Feb 03* 54-56
- Lee Byungje**, see Kyoung-Joon Cho, *MWCL Oct 03* 452-454
- Lee Hai-Young**, see Jin-Yang Kim, *MWCL Jul 03* 279-280
- Lee Heeseok**, see Dong Gun Kam, *MWCL Sep 03* 411-413
- Lee Hyunjin**, see Joonho Gil, *MWCL Nov 03* 457-459

Lee Jeong-Seon, see Cheol-Gyu Hwang, *MWCL Jun 03* 229-231
Lee Jong-Chul, see Kyoung-Joon Cho, *MWCL Oct 03* 452-454
Lee Kwiro, see Tae Wook Kim, *MWCL Jun 03* 205-207
Lee Kwiro, see Tae Wook Kim, *MWCL Sep 03* 420-422
Lee Sang-Gug, see Choong-Yul Cha, *MWCL Jul 03* 253-255
Lee Wen-Chang, see Wen-Chang Lee, *MWCL Jan 03* 10-12
Lei Zhu, and W. Menzel. Compact microstrip bandpass filter with two transmission zeros using a stub-tapped half-wavelength line resonator; *MWCL Jan 03* 16-18
Leong, K.M.K.H., Yongxi Qian, and T. Itoh. Author's reply [to Comment on "Surface wave enhanced broadband planar antenna for wireless applications"]; *MWCL Jun 03* 251-252
Leung Tsang, see Chong-Jin Ong, *MWCL Sep 03* 399-401
Leva, A., see D'Amico, M., *MWCL Aug 03* 305-307
Li, H., H.-M. Rein, R.-E. Makon, and M. Schwerd. Wide-band VCOs in SiGe production technology operating up to about 70 GHz; *MWCL Oct 03* 425-427
Li, L.-Y., and J.-F. Mao. An improved compact 2-D finite-difference frequency-domain method for guided wave structures; *MWCL Dec 03* 520-522
Li, M.F., see Yang, M.Y., *MWCL Oct 03* 431-433
Li, M.F., see Chan, K.T., *MWCL Nov 03* 460-462
Li, M.F., see Chan, K.T., *MWCL Nov 03* 487-489
Liao, C.-H., and H.-R. Chuang. A 5.7-GHz 0.18- μ m CMOS gain-controlled differential LNA with current reuse for WLAN receiver; *MWCL Dec 03* 526-528
Liao, H.-Y., see Liao, S.-S., *MWCL Dec 03* 529-531
Liao, S.-S., H.-K. Chen, P.-T. Sun, C.-Y. Lai, H.-Y. Liao, and Y.-C. Chang. Novel design for small-size coplanar waveguide frequency tripler; *MWCL Dec 03* 529-531
Liao Chun-Lin, see Tien-Yu Chang, *MWCL Jun 03* 214-216
Liao Shry-Sann, see Shry-Sann Liao, *MWCL Jun 03* 241-243
Liao Xian-Yuan, see Shry-Sann Liao, *MWCL Jun 03* 241-243
Lie Zhu Unified 3-D definition of CPW- and CSL-mode characteristic impedances of coplanar waveguide using MOM-SOC technique; *MWCL Apr 03* 158-160
Lim, J.-S., see Jeong, Y.-C., *MWCL Dec 03* 538-540
Lin, W.J., see Chan, K.T., *MWCL Nov 03* 460-462
Lin, W.J., see Chan, K.T., *MWCL Nov 03* 487-489
Lin, Y.D., see Chan, K.T., *MWCL Nov 03* 487-489
Lindenmeier, S., K. Boehm, and J.F. Luy. A wireless data link for mobile applications; *MWCL Aug 03* 326-328
Linfeng Chen, see Tan, C.Y., *MWCL Jun 03* 247-249
Lin Shao-Cheng, see Wen-Chang Lee, *MWCL Jan 03* 10-12
Lippens, D., see Decoopman, T., *MWCL May 2003* 172-174
Litwin, A., see Ferndahl, M., *MWCL Nov 2003* 523-525
Liu, C., see Langer, J.-C., *MWCL Mar 03* 120-122
Liu, J.H., C.L. Chen, H.T. Lue, and J.T. Lue. A new method developed in measuring the dielectric constants of metallic nanoparticles by a microwave double-cavity dielectric resonator; *MWCL May 2003* 181-183
Liu, Q.H., see Gang Zhao, *MWCL May 2003* 184-186
Liu, Q.H., see Gang Zhao, *MWCL Nov 03* 475-477
Liu Shaobin, see Shaobin Liu, *MWCL May 2003* 187-189
Liu Sheng-Gang, see Yanyu Wei, *MWCL Nov 03* 484-486
Li Zhenbiao, see Zhenbiao Li, *MWCL Jan 03* 1-3
Li Zhenbiao, see Zhenbiao Li, *MWCL Apr 03* 137-139
Long, S., see Shouxuan Xie, *MWCL Jul 03* 284-286
Lopetegi, T., see Martin, F., *MWCL Sep 03* 393-395
Lu, F., B. Chen, Y. Yi, C. Gao, L.-H. Shi, and B.-H. Zhou. Analysis of sharp metal edge diagonal to the cell cube in FDTD grid; *MWCL Aug 03* 354-356
Lue, H.T., see Liu, J.H., *MWCL May 2003* 181-183
Lue, J.T., see Liu, J.H., *MWCL May 2003* 181-183
Lu Jian, see Tan, C.Y., *MWCL Jun 03* 247-249
Lukashevich, D., see Fujii, M., *MWCL Nov 03* 469-471
Lukic, M.V., see Yakovlev, A.B., *MWCL Mar 03* 125-127
Luy, J.-F., see Schnepf, H., *MWCL Aug 03* 323-325
Luy, J.F., see Lindenmeier, S., *MWCL Aug 03* 326-328
Lu Yumin, see Yumin Lu, *MWCL Oct 03* 437-439

M

Makon, R.-E., see Li, H., *MWCL Oct 03* 425-427
Mao, J.-F., see Li, L.-Y., *MWCL Dec 03* 520-522

Marques, R., see Martin, F., *MWCL Dec 03* 511-513
Marrone, D.P., see Tong, C.-Y.E., *MWCL Jun 03* 235-237
Marry, P., see Dongsu Kim, *MWCL Oct 03* 434-436
Marti, J., see Vidal, B., *MWCL Jun 03* 238-240
Martin, A.L., see Jiang, X., *MWCL Dec 03* 550-552
Martin, F., F. Falcone, J. Bonache, T. Lopetegi, M.A.G. Laso, and M. Sorolla. Dual electromagnetic bandgap CPW structures for filter applications; *MWCL Sep 03* 393-395
Martin, F., F. Falcone, J. Bonache, R. Marques, and M. Sorolla. Miniaturized coplanar waveguide stop band filters based on multiple tuned split ring resonators; *MWCL Dec 03* 511-513
McAlister, S., see Chan, K.T., *MWCL Nov 03* 487-489
McAlister, S.P., see Chan, K.T., *MWCL Nov 03* 460-462
Meier, H., see Orzati, A., *MWCL Jun 03* 202-204
Meledin, D., C.-Y.E. Tong, R. Blundell, and G. Goltsman. Measurement of intermediate frequency bandwidth of hot electron bolometer mixers at terahertz frequency range; *MWCL Nov 03* 493-495
Meledin, D.V., see Tong, C.-Y.E., *MWCL Jun 03* 235-237
Melique, X., see Decoopman, T., *MWCL May 2003* 172-174
Menzel, W., see Lei Zhu, *MWCL Jan 03* 16-18
Meshon Jiang, see Jen-Tsai Kuo, *MWCL Oct 03* 440-442
Micheli, B., see D'Amico, M., *MWCL Aug 03* 305-307
Mihailovich, R.E., see Guan-Leng Tan, *MWCL Apr 03* 146-148
Minko, A., see Vellas, N., *MWCL Mar 03* 99-101
Min-Seok Kim, see Yong-Joon Jeon, *MWCL Mar 03* 102-104
Mishra, U., see Shouxuan Xie, *MWCL Jul 03* 284-286
Mohammadi, S., see Yumin Lu, *MWCL Oct 03* 437-439
Mo Jinjun, see Shaobin Liu, *MWCL May 2003* 187-189
Moo Lee Byoung, see Sewoong Kwon, *MWCL Feb 03* 54-56
Moonil Kim, see Hao Xin, *MWCL Mar 03* 108-110
Moran, B., see Shouxuan Xie, *MWCL Jul 03* 284-286
Mortazawi, A., see Ozkar, M., *MWCL Jun 03* 220-222
Mortazawi, A., see Jiang, X., *MWCL Dec 03* 550-552
Mrozowski, M., see Kulas, L., *MWCL Apr 03* 164-166
Mrozowski, M., see Lamecki, A., *MWCL Jul 03* 268-270
Mrozowski, M., see Wiktor, M., *MWCL Sep 03* 396-398
Muir, M.E., see Schwindt, R.S., *MWCL Mar 03* 93-95
Muller, T., see Schnepf, H., *MWCL Aug 03* 323-325
Myung Noh-Hoon, see Cheol-Gyu Hwang, *MWCL Jun 03* 229-231

N

Naichang Yuan, see Shaobin Liu, *MWCL May 2003* 187-189
Nakhla, M., see Soveiko, N., *MWCL Jun 03* 232-234
Nam, I., see Tae Wook Kim, *MWCL Jun 03* 205-207
Nam, I., see Tae Wook Kim, *MWCL Sep 03* 420-422
Nam, S., see Jeong, Y.-C., *MWCL Dec 03* 538-540
Nam-Young Kim, see Kyoung-Joon Cho, *MWCL Oct 03* 452-454
Nam Yun Kwon, see Yun Kwon Nam, *MWCL Feb 03* 63-65
Narita, K., see Kushta, T., *MWCL May 2003* 169-171
need List of reviewers [2003]; *MWCL Dec 03* 554
Neo, C.P., Y.J. Zhang, W.J. Koh, L.F. Chen, C.K. Ong, and J. Ding. Smith chart approach to the design of multilayer resistive sheet; *MWCL Jan 03* 24-26
Ng Chong Yong, see Chongcheawchamnan, M., *MWCL Jul 03* 281-283
Nikolova, N.K., see Bakr, M.H., *MWCL Sep 03* 408-410
Nikolova, N.K., see Kouzaev, G.A., *MWCL Nov 03* 481-483
Noh-Hoon Myung, see Cheol-Gyu Hwang, *MWCL Jun 03* 229-231
Novak, C., A. Tikik, and J. Bitto. Code sectoring methods in CDMA-based broadband point-to-multipoint networks; *MWCL Aug 03* 320-322
Nuttinck, S., E. Gebara, J. Laskar, J. Shealy, and M. Harris. Improved RF modeling techniques for enhanced AlGaIn/GaN HFETs; *MWCL Apr 03* 140-142
Nuttinck, S., E. Gebara, J. Laskar, and M. Harris. High-frequency noise in AlGaIn/GaN HFETs; *MWCL Apr 03* 149-151

O

O, K., see Zhenbiao Li, *MWCL Apr 03* 137-139
O, K.K., see Zhenbiao Li, *MWCL Jan 03* 1-3
Oh Byungdu, see Yunseong Eo, *MWCL Jul 03* 259-261
Okoniewski, M., see Popovic, D., *MWCL Jul 03* 265-267
Ong, C.K., see Neo, C.P., *MWCL Jan 03* 24-26
Ong, C.K., see Tan, C.Y., *MWCL Jun 03* 247-249
Ong Chong-Jin, see Chong-Jin Ong, *MWCL Sep 03* 399-401

- Onodera, K.**, T. Ishii, S. Aoyama, and M. Tokumitsu. Controllability of novel $\text{Sn}_{0.95}\text{Au}_{0.05}$ microbumps using interlaminated tin and gold layers for flip-chip interconnection; *MWCL Jul 03* 256-258
- Orfanidis, S.J.** A two-section dual-band Chebyshev impedance transformer; *MWCL Sep 03* 382-384
- Orzati, A.**, F. Robin, H. Meier, H. Benedikter, and W. Bachtold. A V-band up-converting InP HEMT active mixer with low LO-power requirements; *MWCL Jun 03* 202-204
- Ouaddari, M.**, see Delprat, S., *MWCL Jun 03* 211-213
- Ozkar, M.**, G. Lazzi, and A. Mortazawi. A modified unsplit PML formulation for evanescent mode absorption in waveguides; *MWCL Jun 03* 220-222
- Oztoprak, A.Y.**, see Ramadan, O., *MWCL Sep 03* 402-404
- Oztoprak, A.Y.**, see Ramadan, O., *MWCL Dec 03* 553

P

- Paidi, V.**, see Shouxuan Xie, *MWCL Jul 03* 284-286
- Paine, S.N.**, see Tong, C.-Y.E., *MWCL Jun 03* 235-237
- Papapolymerou, J.**, see Euler, T., *MWCL Sep 03* 373-375
- Papapolymerou, J.**, see Zheng, G., *MWCL Dec 03* 544-546
- Park, C.S.**, see Choi, B.G., *MWCL Sep 03* 388-389
- Park, C.S.**, see Lee, Y.C., *MWCL Dec 03* 499-501
- Park, H.-K.**, see Kim, K.-W., *MWCL Aug 03* 335-337
- Park Dong Chul**, see Yun Kwon Nam, *MWCL Feb 03* 63-65
- Park Gun-Sik**, see Yanyu Wei, *MWCL Nov 03* 484-486
- Park Jae-Woo**, see Jeong-Geun Kim, *MWCL Nov 03* 478-480
- Park Jae-Yeong**, see Young-Joon Ko, *MWCL Jul 03* 276-278
- Park Sang-Hyun**, see Sang-Hyun Park, *MWCL Feb 03* 75-77
- Park Seung Wook**, see Seung Wook Park, *MWCL Nov 03* 466-468
- Pavolotsky, A.**, see Risacher, C., *MWCL Jul 03* 262-264
- Pearson, L.W.**, see Colwell, M., *MWCL Sep 03* 417-419
- Peroulis, D.**, see Yumin Lu, *MWCL Oct 03* 437-439
- Peshlov, V.N.**, see Ivanov, S.A., *MWCL Jun 03* 244-246
- Ping Zhao An**, see An Ping Zhao, *MWCL Jun 03* 226-228
- Ponchak, G.E.**, S.A. Alterovitz, A.N. Downey, J.C. Freeman, and Z.D. Schwartz. Measured propagation characteristics of coplanar waveguide on semi-insulating 4H-SiC through 800 K; *MWCL Nov 03* 463-465
- Popovic, D.**, and M. Okoniewski. Effective permittivity at the interface of dispersive dielectrics in FDTD; *MWCL Jul 03* 265-267
- Pou-Tou Sun**, see Shry-Sann Liao, *MWCL Jun 03* 241-243
- Puente, C.**, see Anguera, J., *MWCL Mar 03* 123-124

Q

- Qian Yongxi**, see Leong, K.M.K.H., *MWCL Jun 03* 251-252
- Qing Zeng Yan**, see Gang Zhao, *MWCL May 2003* 184-186

R

- Radisic, V.**, M. Yu, Z. Lao, V. Ho, M. Xu, K. Guinn, S. Lee, and K.C. Wang. 40 Gb/s differential traveling wave modulator driver; *MWCL Aug 03* 332-334
- Ramadan, O.** Auxiliary differential equation formulation: an efficient implementation of the perfectly matched layer; *MWCL Feb 03* 69-71
- Ramadan, O.** Digital filtering technique for the FDTD implementation of the anisotropic perfectly matched layer; *MWCL Aug 03* 340-342
- Ramadan, O.**, and A.Y. Oztoprak. Z-transform implementation of the perfectly matched layer for truncating FDTD domains; *MWCL Sep 03* 402-404
- Ramadan, O.**, and A.Y. Oztoprak. Errata to "Z-transform implementation of the perfectly matched layer for truncating FDTD domains" [Sept 03 402-404]; *MWCL Dec 03* 553
- Ramahi, O.M.**, see Kamgaing, T., *MWCL Jan 03* 21-23
- Ramer, R.**, see Banciu, M.G., *MWCL May 2003* 175-177
- Rangel-Rojo, R.**, see Reynoso-Hernandez, J.A., *MWCL Dec 03* 508-510
- Ranson, R.**, see Detlefsen, J., *MWCL Aug 03* 293
- Rao, X.S.**, see Tan, C.Y., *MWCL Jun 03* 247-249
- Rappaport, C.**, see El-Shenawee, T., *MWCL Jun 03* 223-225
- Rebeiz, G.M.**, see Dussopt, L., *MWCL Jan 03* 4-6
- Rebeiz, G.M.**, see Guan-Leng Tan, *MWCL Apr 03* 146-148
- Rebeiz, G.M.**, see Dussopt, L., *MWCL Sep 03* 361-363
- Reid, J.R.**, R.T. Webster, and L.A. Starman. Noncontact measurement of charge induced voltage shift in capacitive MEM-switches; *MWCL Sep 03* 367-369
- Rein, H.-M.**, see Li, H., *MWCL Oct 03* 425-427

- Reynoso-Hernandez, J.A.** Unified method for determining the complex propagation constant of reflecting and nonreflecting transmission lines; *MWCL Aug 03* 351-353
- Reynoso-Hernandez, J.A.**, R. Rangel-Rojo, M. Aceves, I. Zaldivar, L.E. Sanchez, and M. Herrera. Influence of the SRO as passivation layer on the microwave attenuation losses of the CPWs fabricated on HR-Si; *MWCL Dec 03* 508-510
- Risacher, C.**, and V. Belitsky. GaAs HEMT low-noise cryogenic amplifiers from C-band to X-band with 0.7-K/GHz noise temperature; *MWCL Mar 03* 96-98
- Risacher, C.**, V. Vassilev, A. Pavolotsky, and V. Belitsky. Waveguide-to-microstrip transition with integrated bias-T; *MWCL Jul 03* 262-264
- Robertson, I.D.**, see Chongcheawchamnan, M., *MWCL Jul 03* 281-283
- Robin, F.**, see Orzati, A., *MWCL Jun 03* 202-204
- Rodwell, M.J.W.**, see Shouxuan Xie, *MWCL Jul 03* 284-286
- Roselli, L.**, see Alimenti, F., *MWCL Mar 03* 131-133
- Rosenberg, U.**, see Amari, S., *MWCL Dec 03* 541-543
- Rosker, M.**, see Hao Xin, *MWCL Mar 03* 108-110
- Roy, L.**, see Xizhen Tian, *MWCL Jun 03* 208-210
- Russer, P.**, see Do-Hong, T., *MWCL Aug 03* 314-316
- Russer, P.**, see Schnepf, H., *MWCL Aug 03* 323-325
- Russer, P.**, see Fujii, M., *MWCL Nov 03* 469-471

S

- Sabbadini, M.**, see Di Giampaolo, E., *MWCL Aug 03* 296-298
- Saecheon Ju**, Hyeongdong Kim, and Hyung-Hoon Kim. A study of the numerical dispersion relation for the 2-D ADI-FDTD method; *MWCL Sep 03* 405-407
- Saecheon Ju**, Kyung-Young Jung, and Hyeongdong Kim. Investigation on the characteristics of the envelope FDTD based on the alternating direction implicit scheme; *MWCL Sep 03* 414-416
- Saeki, T.**, see Kushta, T., *MWCL May 2003* 169-171
- Saitou, K.**, see Jensen, B.D., *MWCL Sep 03* 364-366
- Sakagami, I.**, see Fujii, M., *MWCL Nov 03* 469-471
- Sambell, A.J.**, see Smith, D., *MWCL Sep 03* 379-381
- Sanchez, L.E.**, see Reynoso-Hernandez, J.A., *MWCL Dec 03* 508-510
- Sang-Gug Lee**, see Choong-Yul Cha, *MWCL Jul 03* 253-255
- Sang-Gyu Kim**, Tae-Yeoul Yun, and Kai Chang. Time-delay phase shifter controlled by piezoelectric transducer on coplanar waveguide; *MWCL Jan 03* 19-20
- Sang-Hee Kim**, see Kyoung-Joon Cho, *MWCL Oct 03* 452-454
- Sanghoon Jeon**, see Jeong-Geun Kim, *MWCL Nov 03* 478-480
- Sanghoon Shin**, and R.V. Snyder. At least N+1 finite transmission zeros using frequency-variant negative source-load coupling; *MWCL Mar 03* 117-119
- Sang-Hyun Park**, and Young-Wan Choi. Significantly enhanced isolation of SPDT switch using punched hole structure; *MWCL Feb 03* 75-77
- Schmidt, S.**, and G. Lazzi. Extension and validation of a perfectly matched layer formulation for the unconditionally stable D-H FDTD method; *MWCL Aug 03* 345-347
- Schnepf, H.**, T. Muller, J.-F. Luy, and P. Russer. The implementation of channel diversity in mobile software radio receivers; *MWCL Aug 03* 323-325
- Schreurs, D.**, see Siligaris, A., *MWCL Oct 03* 449-451
- Schwartz, Z.D.**, see Ponchak, G.E., *MWCL Nov 03* 463-465
- Schwerdt, M.**, see Li, H., *MWCL Oct 03* 425-427
- Schwindt, R.S.**, V. Kumar, A. Kuliev, G. Simin, J.W. Yang, M.A. Khan, M.E. Muir, and I. Adesida. Millimeter-wave high-power 0.25- μm gate-length AlGaIn/GaN HEMTs on SiC substrates; *MWCL Mar 03* 93-95
- Semond, F.**, see Vellas, N., *MWCL Mar 03* 99-101
- Seong-Sik Song**, see Joonho Gil, *MWCL Nov 03* 457-459
- Seung Wook Park**, and I.S. Kim. Theoretical verification on the effect of an additional DR in push-push FET DROs; *MWCL Nov 03* 466-468
- Sewoong Kwon**, Byoung Moo Lee, Young Joong Yoon, Woo Young Song, and Jong-Gwan Yook. A harmonic suppression antenna for an active integrated antenna; *MWCL Feb 03* 54-56
- Shaobin Liu**, Naichang Yuan, and Jinjun Mo. A novel FDTD formulation for dispersive media; *MWCL May 2003* 187-189
- Shao-Cheng Lin**, see Wen-Chang Lee, *MWCL Jan 03* 10-12
- Shealy, J.**, see Nuttinck, S., *MWCL Apr 03* 140-142
- Shen, Z.**, see Chen, D., *MWCL Dec 03* 514-516
- Sheng-Gang Liu**, see Yanyu Wei, *MWCL Nov 03* 484-486
- Shen Yu-Shing**, see Tsenchieh Chiu, *MWCL Feb 03* 66-68
- Shi, L.-H.**, see Lu, F., *MWCL Aug 03* 354-356

Shi, S.C., see Zhang, W., *MWCL Sep 03* 376-378
Shin Bumjae, see Youngoo Yang, *MWCL Sep 03* 370-372
Shin Hyungcheol, see Joonho Gil, *MWCL Nov 03* 457-459
Shin Jin-Ho, see Yong-Joon Jeon, *MWCL Mar 03* 102-104
Shin Sanghoon, see Sanghoon Shin, *MWCL Mar 03* 117-119
Shouxuan Xie, V. Paidi, R. Coffie, S. Keller, S. Heikman, B. Moran, A. Chini, S.P. DenBaars, U. Mishra, S. Long, and M.J.W. Rodwell. High-linearity class B power amplifiers in GaN HEMT technology; *MWCL Jul 03* 284-286
Shry-Sann Liao, Pou-Tou Sun, Hsien-Ku Chen, and Xian-Yuan Liao. Compact-size coplanar waveguide bandpass filter; *MWCL Jun 03* 241-243
Shumin Wang, and F.L. Teixeira. An equivalent electric field source for wideband FDTD simulations of waveguide discontinuities; *MWCL Jan 03* 27-29
Shumin Wang, and F.L. Teixeira. An efficient PML implementation for the ADI-FDTD method; *MWCL Feb 03* 72-74
Shu Yonghui, see Hong-Yeh Chang, *MWCL Apr 03* 143-145
Siddiqui, O., see Eleftheriades, G.V., *MWCL Feb 03* 51-53
Siligaris, A., G. Dambrine, D. Schreurs, and F. Danneville. A new empirical nonlinear model for sub-250 nm channel MOSFET; *MWCL Oct 03* 449-451
Simin, G., see Schwindt, R.S., *MWCL Mar 03* 93-95
Sinha, A.K., see Yanyu Wei, *MWCL Nov 03* 484-486
Sinka, C., and J. Bito. Site diversity against rain fading in LMDS systems; *MWCL Aug 03* 317-319
Sin-Ping Chen, see Jen-Tsai Kuo, *MWCL Oct 03* 440-442
Smith, C.E., see Yakovlev, A.B., *MWCL Mar 03* 125-127
Smith, D., M. Leach, and A.J. Sambell. Microwave indirect holographic imaging using an adaptation of optical techniques; *MWCL Sep 03* 379-381
Snyder, R.V., see Sanghoon Shin, *MWCL Mar 03* 117-119
Solbach, K. Simplified RF receive frontend architecture for active array applications; *MWCL Jul 03* 271-272
Soler, J., see Anguera, J., *MWCL Mar 03* 123-124
Songcheol Hong, see Donghyun Baek, *MWCL Oct 03* 443-445
Songcheol Hong, see Donghyun Baek, *MWCL Oct 03* 446-448
Songcheol Hong, see Jeong-Geun Kim, *MWCL Nov 03* 478-480
Song Jong-In, see Cheol-Gyu Hwang, *MWCL Jun 03* 229-231
Song Seong-Sik, see Joonho Gil, *MWCL Nov 03* 457-459
Song Taeksang, see Donghyun Baek, *MWCL Oct 03* 446-448
Song Woo Young, see Sewoong Kwon, *MWCL Feb 03* 54-56
Sorolla, M., see Martin, F., *MWCL Sep 03* 393-395
Sorolla, M., see Martin, F., *MWCL Dec 03* 511-513
Sorrentino, R., see Detlefsen, J., *MWCL Aug 03* 293
Soveiko, N., and M. Nakhla. Wavelet harmonic balance; *MWCL Jun 03* 232-234
Stapleton, S.P., see Kyoung-Joon Cho, *MWCL Oct 03* 452-454
Starman, L.A., see Reid, J.R., *MWCL Sep 03* 367-369
Steer, M.B., see Yakovlev, A.B., *MWCL Mar 03* 125-127
Stevenson Kenney, J., see Dongsu Kim, *MWCL Oct 03* 434-436
Stubbs, M.G., see Choi, B.G., *MWCL Sep 03* 388-389
Sun, P.-T., see Liao, S.-S., *MWCL Dec 03* 529-531
Sun Jiahong, see Yanyu Wei, *MWCL Nov 03* 484-486
Sun Pou-Tou, see Shry-Sann Liao, *MWCL Jun 03* 241-243

T

Taeksang Song, see Donghyun Baek, *MWCL Oct 03* 446-448
Tae Wook Kim, Bonkee Kim, I. Nam, Beomkyu Ko, and Kwyro Lee. A low-power highly linear cascoded multiple-gated transistor CMOS RF amplifier with 10 dB IP3 improvement; *MWCL Jun 03* 205-207
Tae Wook Kim, Bonkee Kim, I. Nam, Beomkyu Ko, and Kwyro Lee. A low-power highly linear cascoded multiple-gated transistor CMOS RF amplifier with 10 dB IP3 improvement (Revised); *MWCL Sep 03* 420-422
Tae-Yeoul Yun, see Sang-Gyu Kim, *MWCL Jan 03* 19-20
Tan, C.Y., Linfeng Chen, Jian Lu, X.S. Rao, and C.K. Ong. Cross-coupled dual-spiral high-temperature superconducting filter; *MWCL Jun 03* 247-249
Tan Guan-Leng, see Guan-Leng Tan, *MWCL Apr 03* 146-148
Teixeira, F.L., see Shumin Wang, *MWCL Jan 03* 27-29
Teixeira, F.L., see Shumin Wang, *MWCL Feb 03* 72-74
Tentzeris, M.M., see Zheng, G., *MWCL Dec 03* 544-546
Teppati, V., and A. Ferrero. A new class of nonuniform, broadband, nonsymmetrical rectangular coaxial-to-microstrip directional couplers for high power applications; *MWCL Apr 03* 152-154

Tian Xizhen, see Xizhen Tian, *MWCL Jun 03* 208-210
Tien-Yu Chang, Chun-Lin Liao, and Chun Hsiung Chen. Coplanar-waveguide tandem couplers with backside conductor; *MWCL Jun 03* 214-216
Tikk, A., see Novak, C., *MWCL Aug 03* 320-322
Tohya, H., see Kushta, T., *MWCL May 2003* 169-171
Tokumitsu, M., see Onodera, K., *MWCL Jul 03* 256-258
Tommasino, P., see Cossu, A., *MWCL Feb 03* 60-62
Tong, C.-Y.E., D.V. Meledin, D.P. Marrone, S.N. Paine, H. Gibson, and R. Blundell. Near field vector beam measurements at 1 THz; *MWCL Jun 03* 235-237
Tong, C.Y.E., see Zhang, W., *MWCL Sep 03* 376-378
Tong, C.-Y.E., see Meledin, D., *MWCL Nov 03* 493-495
Trifiletti, A., see Cossu, A., *MWCL Feb 03* 60-62
Tsang Leung, see Chong-Jin Ong, *MWCL Sep 03* 399-401
Tsenchieh Chiu, and Yu-Shing Shen. A broadband transition between microstrip and coplanar stripline; *MWCL Feb 03* 66-68
Tun-Ruey Cheng, see Ching-Wen Hsue, *MWCL Mar 03* 137-139
Tzuang, C.-K.C., see Wen-Chang Lee, *MWCL Jan 03* 10-12
Tzuang, C.-K.C., see Ho-Chung Chen, *MWCL Mar 03* 111-113
Tzuang, C.-K.C., see Wu, C.-K., *MWCL Aug 03* 343-344

V

Vahldieck, R., see Hesselbarth, J., *MWCL May 2003* 190-192
Vahldieck, R., see Fries, M.K., *MWCL Nov 03* 490-492
Vanbesien, O., see Decoopman, T., *MWCL May 2003* 172-174
Vannucci, A., see Cossu, A., *MWCL Feb 03* 60-62
Vassilev, V., see Risacher, C., *MWCL Jul 03* 262-264
Vellas, N., C. Gaquiere, A. Minko, V. Hoel, J.C. De Jaeger, Y. Cordier, and F. Semond. Power results at 4 GHz of AlGaIn/GaN HEMTs on high resistive silicon [111] substrate; *MWCL Mar 03* 99-101
Vendelin, G.D., see Yu-Hsun Huang, *MWCL Mar 03* 105-107
Vendier, O., see Chatras, M., *MWCL Dec 03* 535-537
Vickes, H.-O., see Ferndahl, M., *MWCL Nov 2003* 523-525
Vidal, B., J.L. Corral, and J. Marti. Optical delay line employing an arrayed waveguide grating in fold-back configuration; *MWCL Jun 03* 238-240
Vidal, F., see Delprat, S., *MWCL Jun 03* 211-213
Vogt, R., see Brauner, T., *MWCL Apr 03* 161-163
Volakis, J.L., see Jensen, B.D., *MWCL Sep 03* 364-366

W

Wang, K.C., see Radisic, V., *MWCL Aug 03* 332-334
Wang Huei, see Hong-Yeh Chang, *MWCL Apr 03* 143-145
Wang Shumin, see Shumin Wang, *MWCL Jan 03* 27-29
Wang Shumin, see Shumin Wang, *MWCL Feb 03* 72-74
Wang Wenxiang, see Yanyu Wei, *MWCL Nov 03* 484-486
Webster, R.T., see Reid, J.R., *MWCL Sep 03* 367-369
Wei Yanyu, see Yanyu Wei, *MWCL Nov 03* 484-486
Wen-Chang Lee, Shao-Cheng Lin, and C.-K.C. Tzuang. Planar realization of low phase noise 15/30 GHz oscillator/doubler using surface mount transistors; *MWCL Jan 03* 10-12
Wenxiang Wang, see Yanyu Wei, *MWCL Nov 03* 484-486
Wiktor, M., and M. Mrozowski. Efficient analysis of waveguide components using a hybrid PEE-FDFD algorithm; *MWCL Sep 03* 396-398
Wook Kim Tae, see Tae Wook Kim, *MWCL Jun 03* 205-207
Wook Kim Tae, see Tae Wook Kim, *MWCL Sep 03* 420-422
Wook Park Seung, see Seung Wook Park, *MWCL Nov 03* 466-468
Woo Young Song, see Sewoong Kwon, *MWCL Feb 03* 54-56
Worapishet, A., see Chongcheawchamnan, M., *MWCL Jul 03* 281-283
Wu, C.-K., Y.-C. Chen, and C.-K.C. Tzuang. Compressed-width leaky EH₁ mode PBG antenna; *MWCL Aug 03* 343-344
Wu, K., see Cassivi, Y., *MWCL Feb 03* 48-50
Wu, K.-L., see Cheng, S.-H., *MWCL Aug 03* 329-331
Wu, K.-L., see Huang, Y., *MWCL Aug 03* 338-339
Wu Ke, see Delprat, S., *MWCL Jun 03* 211-213
Wu Ke-Li, see Ke-Li Wu, *MWCL Sep 03* 390-392

X

Xian-Yuan Liao, see Shry-Sann Liao, *MWCL Jun 03* 241-243
Xie Shouxuan, see Shouxuan Xie, *MWCL Jul 03* 284-286
Xin Hao, see Hao Xin, *MWCL Mar 03* 108-110

- Xizhen Tian**, A.P. Freundorfer, and L. Roy. Noise analysis of a photoreceiver using a P-I-N and GaAs HBT distributed amplifier combination; *MWCL Jun 03* 208-210
- Xu, M.**, see Radisic, V., *MWCL Aug 03* 332-334
- Xun Gong**, W.J. Chappell, and L.P.B. Katehi. Multifunctional substrates for high-frequency applications; *MWCL Oct 03* 428-430

Y

- Yaich, M.I.**, and M. Khalladi. An SCN-TLM model for the analysis of ferrite media; *MWCL Jun 03* 217-219
- Yakovlev, A.B.**, M.V. Lukic, A.Z. Elsherbeni, C.E. Smith, and M.B. Steer. Meander-slot and U-slot antenna arrays for wide-band spatial power combiners; *MWCL Mar 03* 125-127
- Yan Chen**, and Zhizhang Chen. A dual-gate FET subharmonic injection-locked self-oscillating active integrated antenna for RF transmission; *MWCL Jun 03* 199-201
- Yan Ding**, see Ke-Li Wu, *MWCL Sep 03* 390-392
- Yang, J.W.**, see Schwindt, R.S., *MWCL Mar 03* 93-95
- Yang, M.Y.**, C.H. Huang, A. Chin, Chunxiang Zhu, B.J. Cho, M.F. Li, and Dim-Lee Kwong. Very high density RF MIM capacitors (17 fF/ μm^2) using high- κ Al_2O_3 doped Ta_2O_5 dielectrics; *MWCL Oct 03* 431-433
- Yang Youngoo**, see Youngoo Yang, *MWCL Sep 03* 370-372
- Yan Qing Zeng**, see Gang Zhao, *MWCL May 2003* 184-186
- Yanyu Wei**, Wenxiang Wang, Jiahong Sun, Baofu Jia, A.K. Sinha, Sheng-Gang Liu, and Gun-Sik Park. Experimental demonstration of the effect of groove shape on the wave properties of the helical groove waveguide; *MWCL Nov 03* 484-486
- Yen Cheng-Chi**, see Cheng-Chi Yen, *MWCL Feb 03* 45-47
- Yeung Lap Kun**, see Ke-Li Wu, *MWCL Sep 03* 390-392
- Yi, Y.**, see Lu, F., *MWCL Aug 03* 354-356
- Yi Kun-Hui**, see Kun-Hui Yi, *MWCL May 2003* 178-180
- Yonghui Shu**, see Hong-Yeh Chang, *MWCL Apr 03* 143-145
- Yong-Joon Jeon**, Hyung-Wook Kim, Min-Seok Kim, Young-Sik Ahn, Jong-Won Kim, Ji-Youn Choi, Doo-Chan Jung, and Jin-Ho Shin. Improved HBT linearity with a "post-distortion"-type collector linearizer; *MWCL Mar 03* 102-104
- Yong Ng Choon**, see Chongcheawchamnan, M., *MWCL Jul 03* 281-283
- Yongxi Qian**, see Leong, K.M.K.H., *MWCL Jun 03* 251-252
- Yook, J.-G.**, see Kim, K.-W., *MWCL Aug 03* 335-337
- Yook Jong-Gwan**, see Sewoong Kwon, *MWCL Feb 03* 54-56
- Yoon Euisik**, see Donghyun Baek, *MWCL Oct 03* 446-448
- Yoon Hyun**, see Zhenbiao Li, *MWCL Jan 03* 1-3
- Yoonsu Choi**, see Dongsu Kim, *MWCL Oct 03* 434-436
- Yoon Young Joong**, see Sewoong Kwon, *MWCL Feb 03* 54-56
- Yoshida, K.**, see Kitamura, T., *MWCL Aug 03* 357-359
- Young Joong Yoon**, see Sewoong Kwon, *MWCL Feb 03* 54-56
- Young-Joon Ko**, Jae-Yeong Park, and Jong-Uk Bu. Fully integrated unequal Wilkinson power divider with EBG CPW; *MWCL Jul 03* 276-278
- Youngoo Yang**, Jeonghyeon Cha, Bumjae Shin, and Bumman Kim. A microwave Doherty amplifier employing envelope tracking technique for high efficiency and linearity; *MWCL Sep 03* 370-372
- Young-Sik Ahn**, see Yong-Joon Jeon, *MWCL Mar 03* 102-104
- Young Song Woo**, see Sewoong Kwon, *MWCL Feb 03* 54-56
- Young-Wan Choi**, see Sang-Hyun Park, *MWCL Feb 03* 75-77
- Yu, M.**, see Hong-Yeh Chang, *MWCL Apr 03* 143-145
- Yu, M.**, see Radisic, V., *MWCL Aug 03* 332-334
- Yu, T.-B.**, B.-H. Zhou, and B. Chen. An unsplit formulation of the Berenger's PML absorbing boundary condition for FDTD meshes; *MWCL Aug 03* 348-350
- Yuan-Kai Chu**, and Huey-Ru Chuang. A fully integrated 5.8 GHz U-NII band 0.18- μm CMOS VCO; *MWCL Jul 03* 287-289
- Yuan Naichang**, see Shaobin Liu, *MWCL May 2003* 187-189
- Yu-Hsun Huang**, Chi-Chung Chien, and G.D. Vendelin. Exact analysis of maximum available gain and unilateral gain including phase angle of S21; *MWCL Mar 03* 105-107
- Yumin Lu**, D. Peroulis, S. Mohammadi, and L.P.B. Katehi. A MEMS reconfigurable matching network for a class AB amplifier; *MWCL Oct 03* 437-439
- Yun Kwon Nam**, and Dong Chul Park. Analysis of shielded membrane microstrip line using the finite-difference time-domain method; *MWCL Feb 03* 63-65
- Yunseong Eo**, Keechul Kim, and Byungdu Oh. Low noise 5 GHz differential VCO using InGaP/GaAs HBT technology; *MWCL Jul 03* 259-261

- Yun Tae-Yeoul**, see Sang-Gyu Kim, *MWCL Jan 03* 19-20
- Yu-Shing Shen**, see Tsenchieh Chiu, *MWCL Feb 03* 66-68

Z

- Zaldivar, I.**, see Reynoso-Hernandez, J.A., *MWCL Dec 03* 508-510
- Zeng Yan Qing**, see Gang Zhao, *MWCL May 2003* 184-186
- Zhang, S.**, see Huff, G.H., *MWCL Feb 03* 57-59
- Zhang, W.**, C.Y.E. Tong, and S.C. Shi. Scaled model measurement of the embedding impedance of a 660-GHz waveguide SIS mixer with a 3-standard deembedding method; *MWCL Sep 03* 376-378
- Zhang, Y.J.**, see Neo, C.P., *MWCL Jan 03* 24-26
- Zhao An Ping**, see An Ping Zhao, *MWCL Jun 03* 226-228
- Zhao Gang**, see Gang Zhao, *MWCL May 2003* 184-186
- Zhao Gang**, see Gang Zhao, *MWCL Nov 03* 475-477
- Zhenbiao Li**, Hyun Yoon, Feng-Jung Huang, and K.K. O. 5.8-GHz CMOS T/R switches with high and low substrate resistances in a 0.18- μm CMOS process; *MWCL Jan 03* 1-3
- Zhenbiao Li**, and K. O. A 900-MHz 1.5-V CMOS voltage-controlled oscillator using switched resonators with a wide tuning range; *MWCL Apr 03* 137-139
- Zheng, G.**, J. Papapolymerou, and M.M. Tentzeris. Wideband coplanar waveguide RF probe pad to microstrip transitions without via holes; *MWCL Dec 03* 544-546
- Zhizhang Chen**, see Yan Chen, *MWCL Jun 03* 199-201
- Zhou, B.-H.**, see Yu, T.-B., *MWCL Aug 03* 348-350
- Zhou, B.-H.**, see Lu, F., *MWCL Aug 03* 354-356
- Zhou, J.**, see Di, Y., *MWCL Dec 03* 532-534
- Zhu, C.X.**, see Chan, K.T., *MWCL Nov 03* 487-489
- Zhu Chunxiang**, see Yang, M.Y., *MWCL Oct 03* 431-433
- Zhu Lei**, see Lei Zhu, *MWCL Jan 03* 16-18
- Zhu Lie**, see Lie Zhu, *MWCL Apr 03* 158-160
- Zirath, H.**, see Ferndahl, M., *MWCL Nov 2003* 523-525
- Zou, J.**, see Langer, J.-C., *MWCL Mar 03* 120-122

SUBJECT INDEX

3G Mobile

3G mobile communication

- implementation of signal processing algorithms for 3G and beyond. Hausner, J., + , *MWCL Aug 03* 302-304

A

Absorbing media

- unsplit formulation of Berenger's PML absorbing boundary condition for FDTD meshes. Yu, T.-B., + , *MWCL Aug 03* 348-350

Absorption

- proposal for new folded comb-line filter. Kitamura, T., + , *MWCL Aug 03* 357-359

Access protocols; cf. Code division multiple access

Active antennas

- Dual-gate FET subharmonic injection-locked self-oscillating act. integrated antenna for RF transm. Yan Chen, + , *MWCL Jun 03* 199-201
- rect. patch harmonic suppression antenna for act. integrated antenna. Sewoong Kwon, + , *MWCL Feb 03* 54-56

Active arrays

- differential act. patch antenna array. Brauner, T., + , *MWCL Apr 03* 161-163
- Simplified RF receive frontend architecture for active array applications. Solbach, K., *MWCL Jul 03* 271-272

Adaptive antenna arrays

- anal. of wideband DOA est. for closely-spaced sources in presence of array model errors. Do-Hong, T., + , *MWCL Aug 03* 314-316

Adaptive arrays

- differential act. patch antenna array. Brauner, T., + , *MWCL Apr 03* 161-163

Algebra; cf. Polynomials

Alkali metal compounds; cf. Lithium compounds