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1982 IEEE MICROWAVE AND MILLIMETER-WAVE MONOLITHIC CIRCUITS SYMPOSIUM
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The technical program for this Symposium is listed below. Detailed information about the program and other activities can be found in the 1982 IEEE Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest

MORNING SESSION (REUNION EF) Chairman: M. N. Yoder, Office of Naval Research, Washington, DC		**AFTERNOON SESSION** Chairman: D. R. Ch'en, DRC Associates, Thousand Oaks, CA	
0815	**Welcome By Steering Committee Chairman** B. E. Spielman, Naval Research Laboratory, Washington, DC	1300	**Yield Considerations for Ion Implanted GaAs MMICs** A. K. Gupta, W. C. Petersen, D. R. Decker, Rockwell International, Thousand Oaks, CA
0830	**Commercial Applications of MMICS (INVITED)** J. Magarshack, Thompson-CSF, France	1320	**The Design and Calibration of a Universal MMIC Test Fixture** J. A. Benet, Rockwell International, Thousand Oaks, CA
0900	**Monolithic Circuits for 12 GHz Direct Broadcasting Satellite Reception** C. Kermarrec, J. Faguet, P. Harrop, C. Tsironis, LEP, France	1340	a 10W Monolithic Transmit-Receive GaAs FET Switch Y. Ayasli, R. Mozzi, L. Hanes, L. D. Reynolds, Raytheon Company, Waltham, MA
0920	**GaAs Monolithic Circuits Mounted Over High Q Dielectric Resonators** E. Bastida, P. Bergamini, CISE SpA, Italy	1400	**A Practical Wideband GaAs Phase Detector** T. Shahriary, S. Lin, TRW, Redondo Beach, CA
0940	**Direct-Coupled GaAs Monolithic IC Amplifiers** S. Hori, K. Kamei, M. Tatematsu, T. Chigira, H. Ishimura, S. Okano, Toshiba Corp., Japan	1420	**Break**
1000	**Break**	1440	**Monolithic GaAs Interdigited 90° Hybrids with 50- and 25-Ohm Impedances** M. Kumar, S. N. Subbarao, R. J. Menna, H. C. Huang, RCA Laboratories, Princeton, NJ
1020	**A Monolithic GaAs DC to 2 GHz Feedback Amplifier** W. C. Petersen, A. K. Gupta, D. R. Decker, Rockwell International, Thousand Oaks, CA	1500	**Design and Fabrication of GaAs Analog-to-Digital ICs** L. C. Upadhyayula, W. R. Curtice, RCA Laboratories, Princeton, NJ
1040	**Slow-Wave Approach for Monolithic GaAs ICs** E. M. Bastida, G. P. Donzelli, N. Fanelli, CISE SpA, Italy	1520	**Fabrication Techniques for X-Band Monolithic VCOs** G. E. Brehm, B. N. Scott, F. H. Doerbeck, Texas Instruments, Dallas, TX
1100	**Heterodyne Experiments from MM-Wave to Optical Frequencies using GaAs MESFET, above f** A. Chu, H. R. Fetterman, D. D. Peck, P. E. Tannenwald, M.I.T. Lincoln Laboratory, Lexington, MA	1540	**A 2-State Monolithic IF Amplifier Utilizing a High Dielectric Constant Capacitor** A. Chu, L. J. Mahoney, M. E. Elta, W. E. Courtney, W. J. Piacentini, J. P. Donnelly, M.I.T. Lincoln Laboratory, Lexington, MA
1120	**Ka-Band Monolithic GaAs Balanced Mixers** A. Contolatis, C. Chao, S. Jamison, C. Butler, Honewell, Bloomington, MA		