

Tuesday, May 29, 1984

GOLDEN GATEWAY BALLROOM (HYATT REGENCY)

Tuesday Morning, May 29, 1984		Tuesday Afternoon, May 29, 1984	
I MICROWAVE CONTROL CIRCUITS Chairman: Russ Gilson, ERADCOM, Ft. Monmouth, NJ		III AMPLIFIERS AND OSCILLATORS Co-chairmen: Y. Ayashi, Raytheon Co., Lexington, MA. H.J. Kuno, Hughes Aircraft Co., Torrance, CA.	
8:30 am	INTRODUCTORY REMARKS J. Oakes, General Chairman, Raytheon, Northborough, MA W. Wiseman, Technical Program Chairman, Texas Instruments Inc., Dallas, TX	1:30 pm	TRANSFORMER COUPLED HIGH CIRCUIT DENSITY TECHNIQUE FOR MMIC D. Ferguson, J. Keuper, R. Lokken, J. Culp Honeywell, Minneapolis, MN P. Bauhahn, C. Chao Honeywell, Bloomington, MN A. Podell Podell Ass., Palo Alto, CA
8:40 am	A MICROWAVE PHASE AND GAIN CONTROLLER WITH SEGMENTED-DUAL-GATE MESFETS IN GaAs MMIC Y. Hwang, Y. Chen, R. Nasser, General Electric, Syracuse, N.Y. D. Temme MIT Lincoln Laboratory, Lexington, MA.	1:50 pm	A MANUFACTURABLE GaAs MMIC AMPLIFIER WITH 10GHz BANDWIDTH S. Mothe, T. Andrade, H. Sun, C. Huang Avantek, Santa Clara, CA
9:00 am	AN X-BAND ANALOG PHASE SHIFTER D. Dawson, A. Conti, S. Lee, G. Shade, L. Dickens Westinghouse Electric, Baltimore, MD.	2:10 pm	A MINIATURE 2-18 GHz MONOLITHIC GaAs DISTRIBUTED AMPLIFIER W. Kennan, T. Andrade, C. Huang Avantek, Santa Clara, CA
9:20 am	WIDEBAND S-C BAND MONOLITHIC PHASE SHIFTER Y. Ayashi, S. Miller, R. Mozzi, L. Hanes Raytheon Research, Lexington, MA.	2:30 pm	A MONOLITHIC MULTI-STAGE 6-18 GHz FEEDBACK AMPLIFIER A.M. Pavio, S.D. McCarter, P. Saunier Texas Instruments, Inc., Dallas, TX
9:40 am	BREAK	2:50 pm	AN 8-18 GHz MONOLITHIC TWO-STAGE LOW NOISE AMPLIFIER L.C. Liu, D.W. Maki, C. Stormont, M. Sokolich, W.E. Claiborn Hughes Aircraft Company, Torrance Research Center, Torrance, CA
II SIGNAL PROCESSING Chairman: P. Greiling, Hughes Research Labs, Malibu, CA		3:10 pm	BREAK
10:10 am	MONOLITHIC GALLIUM ARSENIDE I-Q DEMODULATOR V. O'Neill, C. Ryan Motorola, Gilbert, AZ C. Weitzel Motorola, Phoenix, AZ.	3:40 pm	CAPACITIVELY-COUPLED TRAVELING-WAVE POWER AMPLIFIER Y. Ayashi, S.W. Miller, R. Mozzi, L. Hanes Raytheon Company, Lexington MA.
10:30 am	GaAs MONOLITHIC MIC MIXER-IF AMPLIFIERS FOR DIRECT BROADCAST SATELLITE RECEIVERS S. Watanabe, J. Ozaki, M. Miyauchi, M. Tatematsu, S. Hori, K. Kamei Toshiba, Kawasaki, Japan	4:00 pm	A GaAs MONOLITHIC 6-18 GHz MEDIUM POWER AMPLIFIER C.D. Palmer, P. Saunier, R.E. Williams Texas Instruments, Inc., Dallas, TX
10:50 am	12 GHz GaAs MONOLITHIC FRONT END: FROM THE MONOFUNCTIONAL CHIPS TO THE FULLY INTEGRATED RECEIVER C. Kermaurac, J. Faguet, B. Vancon, C. Mayousse, A. Collet, P. Kaikati, D. Beaufort Laboratoires d'Electronique et de Physical Appliquee, Lirneit-Brevannes, France	4:20 pm	A FAMILY OF FOUR MONOLITHIC VCO MICs COVERING 2-18 GHz B.N. Scott, M. Wurtele, B.B. Cregger Texas Instruments Inc., Dallas, TX
11:10 am	SI-MONOLITHIC MICROWAVE PRESALER IC S. Watanabe, S. Shinozaki, N. Kusama, S. Miyazaki, T. Nakata NEC, Yokohama, Japan		
11:30 am	ON-CHIP PULSE TRANSMISSION IN VERY HIGH SPEED LSI/VLSIs H. Hasegawa, S. Seki Hokkaido University, Sapporo, Japan		

Joint Sessions

1984 IEEE MTT-S International Microwave Symposium and 1984 IEEE Microwave and Millimeter Wave Monolithic Circuits Symposium

LARKIN HALL B (CIVIC AUD.)	
Wednesday Morning, May 30, 1984	
10:30 am	IV. MONOLITHIC MILLIMETER-WAVE CIRCUITS Co-Chairmen: B. E. Spielman, NRL, Washington, DC R. W. Sudbury, MIT, Lincoln Laboratory, Lexington, MA
10:40 am	A 68 GHz MONOLITHIC FET OSCILLATOR D. W. Maki, J. M. Schellenberg, H. Yamasaki, L. C. T. Liu Hughes Aircraft Co., Torrance, CA
11:00 am	A W-BAND MONOLITHIC GaAs CROSSBAR MIXER L. T. Yuan Hughes Aircraft Co., Torrance, CA
11:20 am	94 GHz PLANAR GaAs MONOLITHIC BALANCED MIXER P. Bauhahn, T. Contolatis, J. Abrokwhah, C. Chao, C. Seashore Honeywell, Bloomington, MN.
11:40 am	GaAs MONOLITHIC FREQUENCY DOUBLERS WITH SERIES CONNECTED VARACTOR DIODES A. Chu, W. E. Courtney, L. J. Mahoney, H. A. Atwater, R. W. McClelland MIT Lincoln Laboratory, Lexington, MA
Wednesday Afternoon, May 30, 1984	
1:30 pm	V. DEVICES AND MONOLITHIC CIRCUIT ELEMENTS Co-Chairmen: D. R. Chen, Microwave Monolithics Inc., Simi Valley, CA M. N. Yoder, ONR, Arlington, VA
1:40 pm	CALIBRATION METHODS FOR MICROWAVE WAFER PROBING E. W. Strid, E. R. Gleason Tektronix Inc., Beaverton, OR
2:00 pm	LOW NOISE HIGH ELECTRON MOBILITY TRANSISTORS J. Berenz, K. Nakano, K. Weller TRW, Redondo Beach, CA
2:20 pm	HIGH EFFICIENCY GaAs MBE POWER FET FOR Ka-BAND J. Geddes, V. Sokolov, T. Contolatis, J. Abrokwhah, W. Larson Honeywell, Bloomington, MN
2:40 pm	HIGHLY ACCURATE DESIGN OF SPIRAL INDUCTORS FOR MMIC'S WITH SMALL SIZE AND HIGH CUT-OFF FREQUENCY CHARACTERISTICS M. Parisot, Y. Archambault, D. Pavlidis, J. Magarshack Thompson-CSF, France