

The Technical Program



Welcome to the 1984 IEEE Microwave and Millimeter Wave Monolithic Circuits Symposium. This is our third year, and I feel that the high quality of the twenty four papers accepted for this year's symposium is indicative of the great progress that has been made over the past several years in GaAs monolithic technology.

The symposium has been divided into five sessions. Starting Tuesday morning, May 29, the session on Microwave Control Circuits includes three papers on monolithic phase shifters. This session is followed by a session on Signal Processing, which includes papers on an I-Q demodulator, components for direct broadcast satellite receivers, a silicon monolithic prescaler, and pulse transmission in high speed LSI/VLSI circuits. The Tuesday afternoon session is on Amplifiers and Oscillators. The emphasis of this session is on techniques for achieving broadband amplification. In addition, there is a paper on a family of four monolithic VCOs that covers 2-18 GHz and a paper on transformer coupled circuits.

Our final sessions on Wednesday, May 30 are held jointly with the 1984 IEEE MTT-S International Microwave Symposium following the opening session of this symposium. The morning session is on Monolithic Millimeter Wave Circuits. It includes papers on a 68 GHz FET oscillator, mixers, and frequency doublers. The final session is on Devices and Monolithic Circuit Elements. This session includes an invited paper on calibration methods for microwave wafer probing, papers on high frequency MESFET and HEMT devices, and a paper on the design of spiral inductors.

I would like to thank the members of the Technical Program Committee who worked hard to come up with what I believe is an excellent program. I am also grateful for the help of members of the 1984 IEEE MTT-S International Microwave Symposium Committee, particularly Ferdo Ivanek, Technical Program Chairman. Finally, I would like to thank Nita White for all of the work that she did to get the papers sent out on schedule.

William R. Wisseman
Technical Program Chairman
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