

Message from the MMWMC Technical Program Chairman



On behalf of the Technical Program Committee I welcome you to the 1991 IEEE Microwave and Millimeter-wave Monolithic Circuits Symposium, with our program consisting of three invited papers and 25 contributed papers.

This year we have the opportunity to review many improvements to MIMIC technology and to reflect on the rapid advances that have been made in the industry. Three invited papers capture the progress of, and address the immense potential of monolithic circuit technology. And, in keeping with the 10th Anniversary of the Symposium, our first speaker, Roger Sudburg, will highlight the progress made over the past decade as well as indicate future trends in the technology.

The second invited paper on military applications of monolithic circuit technology will be given by Eliot Cohen of DARPA. He will review the progress made via the MIMIC Program, with emphasis on near term insertion of the technology into advanced systems—including radar, EW, smart munitions and communications.

The final invited paper will be given by Ron Rosenweig, President of Anadigics, Inc. Ron will cover the commercial uses of the monolithic microwave circuits. From the perspective of his own experience in the microwave semiconductor industry he will provide valuable insight regarding the future of monolithic circuits.

Organization of the overall 1991 Symposium comprises seven sessions, with papers covering topics from multiple monolithic circuits integrated to meet subsystem requirements to more advanced wideband millimeter-wave and power circuits. The initial session on Monday morning will be the first of two sessions that highlight applications of MIMIC technology. The next session covers control circuits, followed by the second set of MIMIC application papers and a millimeter-wave session in the afternoon.

On Tuesday, sessions are held jointly with the IEEE MTT-S International Microwave Symposium. The agenda includes two receiver circuit sessions followed by a session on power amplifiers, thus concluding the 1991 Symposium. In sum, the quality and technical merit of the three invited papers, as well as the 25 papers selected by the 1991 Technical Program Committee from 63 submitted papers, has improved dramatically over past years, due in part to the increased maturity of the technology.

The program outlined above has been made possible thanks to the contributions of the authors, the dedicated work of the Technical and Steering Committee members, and the leadership of the General Chairman, Charles Huang.

Bill Perkins
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