Editor's Overview

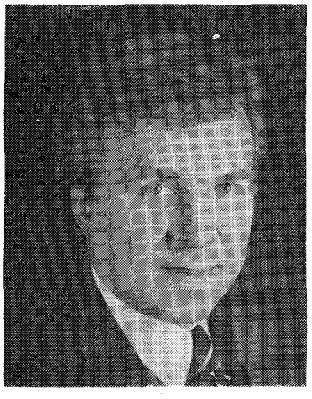
THE 1988 IEEE MTT-S International Microwave Symposium, held in New York City, was highly successful, as exemplified by the technical quality of the papers that were presented during the three days of the Symposium. A record number of papers had been presented, as indicated by Chuck Buntschuh's review article on *Microwaves — Past, Present, and Future* appearing in this issue. In addition, a total of 82 expanded manuscripts were submitted for possible inclusion in this Special Issue of the TRANSACTIONS. Critical culling by the Review Committee resulted in the 41 technical papers published in this journal. Several papers required revisions which could not be completed in time to be included in this issue, and some of these should appear in future regular issues of the TRANSACTIONS.

A comparison of the table of contents of this issue with those of recent Symposium Issues reveals several trends in our field. A significant increase in the number of Microwave Symposium papers related to monolithic technology and a marked increase in the number of papers from the Microwave and Millimeter-Wave Monolithic Circuits Symposium indicate that MMIC technology is rapidly joining the mainstream of microwave engineering. Also evident is a growing number of papers devoted to computer-aided design of both passive and active components and circuits. Additional articles cover a diversity of topics including FET modeling (nonlinear as well as linear), discontinuities in various transmission lines, unique oscillator designs, new components, and novel approaches to traditional passive components.

A new feature of this issue is a report, by S. T. Peng, on a special session of the Symposium to honor the career of Professor A. Oliner for his contributions to microwave theory. Future Symposia may well honor other distinguished microwave engineers.

My sincere appreciation and gratitude are extended to the authors for their efforts in providing the articles appearing in this issue, as well as to the reviewers (listed on the following page) for setting the high standards for this issue. I would also like to thank Chuck Buntschuh for his enthusiastic direction of the 1988 Symposium Steering Committee, Technical Program Committee Chairmen Jesse Taub and Jim Whelehan for their valuable suggestions, Dr. Ralph Levy for providing general guidance, and Ms. Barbara Ventura and Ms. Lori Nesfield for their editorial assistance.

✠



Henry C. Paczkowski (M'68) received the B.S. degree in electrical engineering from the City College of New York in 1967 and the M.S. (E.E.) degree from the Polytechnic Institute of Brooklyn in 1972.

He has been employed by the AIL Division of Eaton Corporation since 1967 and is presently Department Head of the Advanced RF Technology Department. He is currently involved in directing the development of advanced microwave/millimeter-wave receivers, high-technology components, and associated technology that includes advancing the state of the art of broad-band low-noise receivers and RF processing techniques. He has served as Technical Manager in the development of low-noise GaAs FET amplifiers and parametric amplifier subsystems, including the Space Shuttle *S*-Band Preamplifier Assembly, and has performed theoretical and experimental investigations on broad-band amplifiers in the microwave and millimeter-wave region.

Mr. Paczkowski has authored and presented several papers relating to low-noise techniques. In addition, he has served as a panel member at several panel sessions and workshops held at previous MTT-S Symposia, and as co-organizer and moderator of the panel session entitled "Millimeter-Wave System Development" at the 1986 IEEE International Microwave Symposium.