

## Guest Editors' Overview

**T**HE 1992 International Microwave Symposium (IMS) and Microwave and Millimeter-Wave Circuits Symposium (MMWMCS) in Albuquerque, NM attracted a large number of papers. Of the 646 submissions to the IMS and 68 submissions to the MMWMCS, 380 and 48 respectively, were accepted. From these, expanded versions of 89 IMS papers and eight MMWMCS papers were submitted for publication in this issue and following the review process 38 IMS and six MMWMCS papers were accepted. A significant number of papers were returned to the authors for revision and resubmission to Dr. Stephen A. Maas because the publication deadline of this issue did not allow for a second review cycle. Some of these papers will be published in future issues of the TRANSACTIONS.

The technical papers in this issue reflect the broad range of topics presented at the symposium, such as solid state

devices and circuits, MMIC's, transmission lines, measurement techniques, and computer-aided design.

We want to express our thanks and appreciation to the reviewers (listed below) for their time and efforts. The high standards of the TRANSACTIONS are a direct result of their contributions. We also wish to thank the authors for their timely submissions and revisions, and to extend our thanks and congratulations to the IMS and the MMWMCS Technical Program Committees for first class Technical Programs.

The IMS Guest Editor takes this opportunity to thank Rebecca Farris and Ann Brodd. Finally, special thanks go to Jean Bennett who assisted the MMWMCS Guest Editor with correspondence related to the rearview process.

EDMUND K. MILLER

ERIC W. STRID

*Guest Editors*

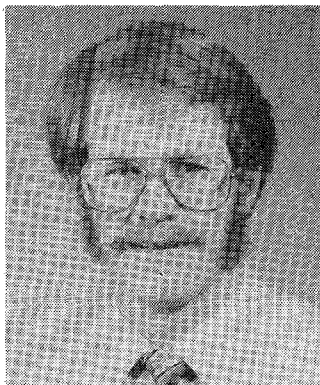


**Edmund K. Miller** (S'60-M'66-SM'70-F'84) received the B.S.E.E. degree from Michigan Technological University, Houghton, in 1957 and the M.S. degree in nuclear engineering, the M.S.E.E. degree, and the Ph.D.E.E. degree all from the University of Michigan, Ann Arbor, in 1958, 1961, and 1965, respectively.

From 1959 to 1965 he was with the Radiation Laboratory as an Associate Research Engineer during his Ph.D. candidacy at the University of Michigan, and from 1966 to 1968 he was with the High Altitude Engineering Laboratory, University of Michigan. From 1968 to 1971 he was a Senior Research Scientist at MB Associate Division, and Division Leader at Lawrence Livermore National Laboratory. Subsequently, from 1985 to 1987 he was Regents Distinguished Professor at the University of Kansas; from 1987 to 1988 he was the Manager of Electromagnetics at Rockwell Science Center, Thousand Oaks, CA; from 1988 to 1989 he was the Director of Electromagnetics Research Operations at the General Research Corporation, Santa Barbara, CA; he is presently the

Leader of the Sensor Systems and Robotics Group at Los Alamos National Laboratory. He has published numerous journal articles and book chapters in the areas of computational electromagnetics, signal processing, and computer graphics. His current research interests include computational electromagnetics, signal-processing applications in electromagnetics, and education applications of computer graphics.

Dr. Miller has served as IEEE Antennas and Propagation Society Distinguished Lecturer, is a member of several U.S. Commissions of the International Scientific Radio Union, has served as U.S. Chairman of Commission A on Metrology, and has also served as first President of the Applied Computational Electromagnetics Society.



**Eric W. Strid** (S'75-M'76), received the S.B.E.E. degree from MIT in 1974 and the M.S.E.E. degree from the University of California at Berkeley in 1975.

He joined Farinon Electric, San Carlos, CA, in 1976. At Farinon, he was mentored by Dr. Chi Hsieh and others while developing low-noise and high-power solid-state microwave amplifiers for telecommunications. In 1979 he joined the Applied Research Group of Tektronix, Inc., Beaverton, OR, where he designed and demonstrated various digital and analog GaAs ICs for instrumentation applications. In 1984 and 1985 he worked at TriQuint Semiconductor, Inc., as acting Design Manager. Today, he is President at Cascade Microtech, Inc., Beaverton, OR.

Mr. Strid has written over 30 technical papers, authored or co-authored eight U.S. patents, and participated in various MTT panels and conferences. In 1987 he received the ARFTG Automated Measurements Award. In 1991 he received the MTT Society's Microwave Application Award.

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