

## Guest Editors' Overview

**T**HE SUBSTANTIAL number of papers accepted for presentation at the 1996 IMS in San Francisco resulted in record submissions of expanded papers for the Special Symposium Issue of the IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES. A total of 139 IMS papers + 7 MMWMCS papers were submitted and 55 papers + 3 MMWCS papers were selected for publication (40% acceptance). At this time the acceptance rate for these papers was dictated not by the page allocation (previous special issues were somewhat constrained by this factor) but by the quality of the papers. Per directions from ADCOM and from Regular Editors of the IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, we made sure that all highly qualified papers, deserving wider circulation, were included in this Special Issue.

This TRANSACTIONS Special Issue reflects the ongoing resurgence of the microwave industry and the commercial applications responsible for this are well represented. A significant portion of this issue is devoted to circuits for wireless technology and to modeling of active and passive circuits for these applications, particularly at the lower end of the spectrum where growth has been explosive. To inclusively address this market segment, for 1997 the MMWMC Symposium is broadening its scope to include RF IC's containing both analog and digital functions. To reflect these changes, it is changing its name to RFIC Symposium.

The majority of the papers can be classified as "applications papers" reversing the normal trend of the TRANSACTIONS (considered by many as being too theoretical). Almost 50%

of the papers were contributed from outside the United States underlining the international makeup of the IMS.

We would like to thank all the reviewers (listed in the next few pages) for their efforts—due to severe time limitations for this issue it was paramount to receive reviews on schedule. Each submitted paper was sent to at least three reviewers, and quite a few reviewers received more than one paper. More than 300 reviewers participated in this process, and we really appreciate their timely contributions.

On a personal note, the IMS Guest Editor would like to dedicate this editorial effort to the memory of Prof. Adam Smolinski, Life Fellow of IEEE, of Warsaw Technical University, who significantly influenced his early microwave career and whose untimely death this year left a great void in the European microwave community.

Also, Dr. Fiedziuszko would like to express his appreciation to Dr. E. James Crescenzi, General Chairman of the 1996 IMS, whose leadership made this year's IMS so successful, for the opportunity to serve on his committee in a dual role. It was professionally a very rewarding experience.

Finally, he would like to thank his employer, Space Systems/LORAL (formerly Ford Aerospace) for the continuing encouragement and support of IEEE MTT activities.

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**S. Jerry Fiedziuszko** (M'73-SM'83-F'92) received the M.S.E.E. degree from Warsaw Technical University, Warsaw, Poland, in 1967 and completed doctoral requirements in 1971. He formally received the Ph.D. degree in 1993.

He has more than 25 years experience working for the following microwave industry and research institutions: Space Systems/LORAL (formerly Ford Aerospace), LDV Electro Science, Syracuse University, and the Institute of Electron Technology of the Polish Academy of Sciences. His present position at SS/L is Consulting Scientist/Manager, Advanced Microwave Development. His technical work of the past several years has focused on applications of dielectric resonators, high performance filters and multiplexers for communication satellites, and HTS (High Temperature Superconductivity) microwave components.

Dr. Fiedziuszko is a Member of MTT-S ADCOM, a former Chairman of the IEEE MTT Standards Coordinating Committee, former Co-chairman of the IEEE MTT "Filters and Passive Components" Technical Committee, and a Member of the IEEE MTT "Microwave Superconductor Applications" Technical Committee. He is also a member of the Technical Program Committee for the MTT International Symposium, and Technical Program Committee Co-Chairman for the 1996 IMS in San Francisco. From 1987 he

also served as an officer of the Santa Clara Valley MTT Chapter. He has more than 50 publications and 15 patents granted with several pending. He received the Ford Aerospace Exceptional Inventor Award, Ford Aerospace Outstanding Principal Investigator Award, and the 1990 Aerospace Laurels Award from "Aviation Week." He serves as a reviewer for the IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, IEEE MICROWAVE AND GUIDED WAVE LETTERS, *IEE Proceedings* and *Electronics Letters* (Great Britain), and the National Science Foundation.



**James M. Schellenberg** (S'68-M'71-SM'94) was born in Reedley, CA on May 23, 1945. He received the B.S. and M.S. degrees in electrical engineering from Fresno State University, Fresno, CA and the Johns Hopkins University, Baltimore, MD, in 1969 and 1973, respectively.

From 1969 to 1978, he was employed by Westinghouse Electric Corporation, Advanced Technology Laboratories, in Baltimore, MD, where he was responsible for bipolar and FET power amplifier design. From 1978 to 1988 he was employed by Hughes Aircraft Company, Microwave Products Division, in Torrance, CA. There as Manager of the Circuits and Subsystems Department, he directed the development of the GaAs hybrid/monolithic IC's. Since 1988 he has been with Schellenberg Associates where he specializes in power GaAs IC design. He is the author of eight U.S. patents and more than 30 technical papers. His current research interests include nonlinear analysis/modeling of power amplifiers, microwave/millimeter-wave measurements, microwave circuit modeling, and GaAs monolithic power IC's.

### List of Reviewers for Special Issue

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