

# Editor's Overview

THIS SPECIAL ISSUE of the TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES represents the final chapter in the 1987 International Microwave Symposium activities. The 1987 MTT-S International Microwave Symposium and the Microwave and Millimeter Wave Monolithic Circuits Symposium were held in Las Vegas. A record number of over 230 papers were presented at the MTT-S Symposium. Authors of the accepted Symposium papers were invited to submit expanded versions of their papers subject to a regular review process. The response was overwhelming. A total of 78 papers were submitted for possible inclusion in this issue. These papers were reviewed by the members of the Symposium Technical Program Committee, members of the MTT TRANSACTIONS editorial board, and others selected from the academic and industrial scientific and engineering community. This Special Issue contains 49 technical papers. A few excellent papers could not be included in this issue primarily because the contents were the same as the Symposium Digest version of the paper. Additionally, some other papers required revisions which could not be completed before the target dates associated with this issue. Some of these papers should appear in the regular issues of the TRANSACTIONS in the near future.

This Special Symposium Issue begins with the three traditional articles: a review of the Symposium by Steven

L. March, the Symposium Chairman; an article covering the MTT Society awards by Charles T. Rucker, Chairman of the Awards Committee; and the Keynote Address by Les Besser. These are followed by the technical papers. These papers represent an impressive, diverse range of engineering and scientific activities in the general areas of microwave theory and techniques and the high-quality technical program coordinated by Reynold S. Kagiwada, the Symposium's TPC Committee Chairman.

It has been a privilege and an honor to serve as the Guest Editor of this Symposium Issue. I would like to thank Dr. Ralph Levy and Dr. Tatsuo Itoh for providing general guidance and a host of invaluable information about the editorial work and Ms. April Melton for meticulous editorial assistance. The active support of the authors, including timely submissions of the manuscripts and revisions, is very much appreciated. Finally, I am grateful to the reviewers, listed on the next page, who gave their time and made constructive comments which many authors acknowledged as a valuable help in the preparation of their final manuscripts.

VIIAJI K. TRIPATHI  
*Guest Editor*



**Vijai K. Tripathi** (M'68-SM'87) received the B.Sc. degree from Agra University, Uttar Pradesh, India, in 1958, the M.Sc. Tech. degree in electronics and radio engineering from Allahabad University, Uttar Pradesh, India, in 1961, and the M.S.E.E. and Ph.D. degrees in electrical engineering from the University of Michigan, Ann Arbor, in 1964 and 1968, respectively.

From 1961 to 1963, he was a Senior Research Assistant at the Indian Institute of Technology, Bombay, India. In 1963, he joined the Electron Physics Laboratory of the University of Michigan, where he worked as a Research Assistant from 1963 to 1965 and a Research Associate from 1966 to 1967 on microwave tubes and microwave solid-state devices. From 1968 to 1973, he was an Assistant Professor of Electrical Engineering at the University of Oklahoma, Norman. In 1974, he joined Oregon State University, Corvallis, where he is a Professor of Electrical and Computer Engineering. His visiting and sabbatical appointments include the Division of Network Theory at Chalmers University

of Technology in Gothenburg, Sweden, from November 1981 through May 1982; Duisburg University, Duisburg, West Germany, from June through September 1982; and the Electronics Technology Division of the Naval Research Laboratory in Washington, DC, in the summer of 1984. His current research activities are in the areas of microwave circuits and devices, electromagnetic fields, and solid-state devices.

Dr. Tripathi is a member of Eta Kappa Nu and Sigma Xi.