

Editors's Overview

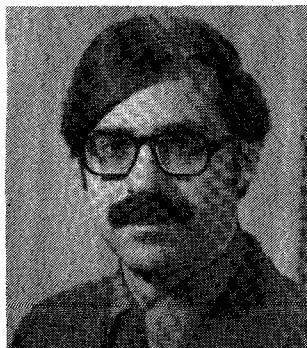
THIS ISSUE presents a collection of papers from the 1980 International Microwave Symposium which were expanded to provide even more substantial contributions to the technical literature than those which appeared in the *Symposium Digest*. Also included are summaries of the Symposium functions, including the technical program, exhibits, social programs, and members of the Steering and Program Committees. Special attention is given to those who were honored at the awards ceremony.

This year the Symposium theme was "Technology Growth for the 80's." The Technical Program Committee's intent was to promote the theme by addressing those technical areas which are expected to be of impact over the next several years. Fields included within the program were: power transistors, millimeter receivers and components, microwave acoustics and magnetostatic waves, microwave engineering for export, millimeter-wave power generation, systems, high-power devices, filters and multiplexers, high-power solid-state circuits, guides and compo-

nents, satellite communication systems in Europe, ferrite applications, IC's, satellite broadcasting in Japan, guided wave optics and interactions, biological applications, measurements, computer-aided techniques, and field theory. Papers were presented from all over the world, thereby providing an international flavor to the Symposium. For the unfortunate people who were unable to attend the Symposium, it is hoped that this Special Issue will give a portion of the technology presented. It is recommended, however, that the *Symposium Digest* also be obtained because it contains the entire technical program, which was considerably more extensive than that which is presented herein.

My thanks are extended to the authors, chairmen, organizers, reviewers, Technical Program Committee, and local people who donated many hours helping to put together the program and this issue.

BARRY E. SPIELMAN
Guest Editor



Barry E. Spielman (M'71) received the B.S.E.E. degree from the Illinois Institute of Technology, Chicago, IL, in 1964, the M.S.E.E. degree from the Pennsylvania State University, University Park, in 1967, and the Ph.D. degree from Syracuse University, Syracuse, NY, in 1971. Since 1971 he has been employed as a Research Electronics Engineer at the Naval Research Laboratory in Washington, DC. He has served previously as Head, Millimeter-Wave Techniques Section and currently is Head of the Solid-State Circuits Section in the Microwave Technology Branch. He is author of papers in the areas of microwave and millimeter-wave integrated circuits, and computer-aided design methods.

Dr. Spielman has served as Secretary, Vice-Chairman, and Chairman of the Washington, DC MTT chapter. He is currently a member of the IEEE/MTT-S ADCOM.