

**CALL FOR  
PAPERS**



THE INSTITUTE OF  
ELECTRICAL AND  
ELECTRONICS  
ENGINEERS, INC.



MICROWAVE THEORY AND TECHNIQUES SOCIETY

IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES

SPECIAL ISSUE

on

COMPUTER - AIDED DESIGN

Computer-aided design has become an essential tool for microwave engineers. Increasing complexities of modern microwave and millimeter wave components circuits and subsystems, particularly in monolithic integrated circuit form, have created a critical need for more accurate and efficient computer-aided design techniques. Overwhelming response to the one-day workshop on "Trends in Microwave CAD" held in conjunction with 1986 MTT-S International Microwave Symposium at Baltimore demonstrated the current interest in this area.

MTT-S Technical Committees on Computer-Aided Design (MTT-1), on Microwave Field Theory (MTT-15), and on Microwave and Millimeter-Wave Integrated Circuits (MTT-6), are jointly sponsoring a special issue of IEEE Transactions on Microwave Theory and Techniques on "Computer-Aided Design" to be published in February 1988. The aim of this special issue is to present the current state of the art and trends in CAD techniques useful for microwave and millimeter-wave engineers. The topics of interest for the special issue include:

- o Modeling of active and passive microwave components
- o Characterization and modeling of transmission structures and discontinuities
- o Linear and nonlinear analysis of devices and circuits
- o Large scale numerical simulation of devices and circuits
- o Optimization techniques applicable to microwave CAD
- o Other microwave CAD related topics

Professor K. C. Gupta of the University of Colorado and Professor Tatsuo Itoh of the University of Texas (Austin) will be the guest editors for this special issue. Prospective authors are requested to submit five copies of the manuscript in standard IEEE format to:

Dr. K. C. Gupta  
Guest Editor MTT Special Issue on CAD  
Dept. of Electrical and Computer Engineering  
Campus Box 425  
University of Colorado Boulder  
Boulder, CO 80309-0425  
Tel: (303) 492-7498

Please submit manuscripts by April 15, 1987.