

## **IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES**

### **Special Issue On Modeling and Design of Coplanar Monolithic Microwave and Millimeter-wave Integrated Circuits**

Coplanar microwave and millimeter-wave monolithic integrated circuits (CMMICs), utilizing grounded and ungrounded coplanar waveguides, coplanar strips, slot lines and other planar transmission lines are now being pursued for components requiring a high level of integration.

MTT-S Technical Committees on Computer-Aided Design (MTT-1), Microwave and Millimeter-wave Integrated Circuits (MTT-6), and Microwave Field Theory (MTT-15) are jointly sponsoring a special issue of the IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES on, "Modeling and Design of Coplanar Monolithic Microwave and Millimeter-wave Integrated Circuits," to be published in September 1993. The objectives of this issue is to provide extensive design information, state-of-the art and future trends in coplanar hybrid and monolithic microwave and millimeter-wave integrated circuits. Topics of particular interest include, but are not limited to, the following areas:

- analytical and numerical techniques for planar and coplanar transmission lines
- theoretical and experimental characterization of discontinuity structures
- active and passive components incorporating novel and innovative circuit concepts
- computer-aided design techniques
- package, module and subsystem analysis and design
- other related topics, and unique applications of CMMICs

Dr. Arvind K. Sharma of TRW/ESG and Prof. Tatsuo Itoh of the University of California, Los Angeles, will be guest editors of this special issue. Prospective authors are requested to submit five copies of the paper describing original work in the above mentioned areas by September 30, 1992 to:

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