



WRI INTERNATIONAL SYMPOSIUM

on

DIRECTIONS FOR THE NEXT GENERATION OF MMIC DEVICES AND SYSTEMS



September 11-13, 1996, New York City



FIRST CALL FOR PAPERS

Microwave and millimeter-wave integrated circuits are becoming increasingly important in modern military and commercial communication systems. Current trends are towards low-cost, high-density, multilevel, and multifunctional integration, covering millimeter and submillimeter wave regions. The integration of diverse subfunctions, such as light-wave devices, superconductor circuits, digital circuits and ferrite devices, together with conventional microwave or millimeter-wave devices, circuits and antennas, would allow implementation of large systems on a single chip. Research on advanced device concepts, 3-D interconnects, high-performance packaging methods, advanced CAD-tools, measurement and testing techniques, as well as material and fabrication technologies, are being directed to meet the new challenges.

Continuing on our Weber Research Institute's series of symposia, we will host an international symposium on the recent developments and new research directions for the next generation of microwave and millimeter wave integrated circuits and systems. It will be organized as a 3-day symposium, running in a single-session format of regular papers, poster presentations and panel discussions. The symposium will be held in our CATT Auditorium located at the Metrotech Center, Brooklyn, New York. Hotel accommodations will be available in the Manhattan area, conveniently connected to the conference site by subways. The extended versions of the papers will be published as a bound volume by Plenum Press, New York.

The topics of interest cover various aspects of the following suggested areas:

- Components and Devices
- Novel Transmission Media
- Printed Antennas and Phased Arrays
- Multilevel Integration
- Interconnects and Packaging
- Multifunctional Integration
- Fabrication Technology
- Measurement, Testing and Reliability
- Application Systems
- CAD Tools and Environment
- Analytical/Computational Techniques
- Guided Wave Effects and EM-Theory

TIME TABLE: • Final Call For Papers: **February 1995.** • Submission of One-page Summary: **March 30, 1996.** • Notification of Acceptance: **May 30, 1996.** • Extended Manuscript for Publication: At the Conference Registration.

ORGANIZERS: Prof. A. Oliner, Honorary Chairman, Prof. N. K. Das and H. L. Bertoni, General Chairs. Send two copies of one-page abstracts addressed to Prof. Nirod K. Das, 1996 WRI Symposium, Polytechnic University, Route 110, Farmingdale, NY 11735. For further information contact at Tel: (516) 755-4228, Fax: (516) 755-4404, E-mail: ndas@prism.poly.edu.

Sponsor: Weber Research Institute, Polytechnic University, New York

Technical Co-Sponsors: IEEE Microwave Theory and Techniques Society, IEEE Antennas and Propagation Society, in Cooperation with the IEEE Long Island and New York Metropolitan Sections