Session O

CPW and Other Discontinuities

Chairman:

Michael Dydyk
Motorola, Inc.
Scottsdale, AZ

This session will emphasize the analysis approach to CPW discontinuities and application of microwave techniques to quantum well structures. A special type as well as conventional CPW T-junctions will be discussed and performance compared. The influence of bond wires for grounding the side conductors of the CPW lines will be reported. The effect of air-bridges and finite conductor thickness on the performance of various CPW discontinuities will be disclosed. Further, a novel rigorous, multimode equivalent network representation for zero-thickness waveguide obstacles will be presented. Finally, analysis procedure for nonuniform quantum waveguide structures will be described.

8:30 a.m.–10:00 a.m., Wednesday, June 12, 1991
Ballroom C