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MICROWAVE INTEGRATED CIRCUITS

Chairman: Natalino Camilleri—Texas Instruments

Session Abstract: The session focuses around novel experimental and theoretical concepts useful for MIC designs. A novel planar re-entrant mode coupler is described showing state of the art results. Synthesis techniques for accurate modeling of branch-line couplers is presented. Broadband subsystems with state of the art millimeter wave results demonstrate the complexity of MICs. A novel band pass filter consisting of microstrip disk cavities is synthesised and evaluated. Synthesis of matching networks using “real frequency” and “pre-distortion” techniques to compensate for nonuniform losses is presented.

10:30 am–12:00 noon, May 26, 1988
Jacob Javits Convention Center, Hall 1E
Room 4