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## **MILLIMETER WAVE INTEGRATED CIRCUITS AND TECHNOLOGY**

**Chairman: J. Wiltse—Georgia Institute of Technology**

**Session Abstract:** This session deals with millimeter-wave integrated circuits and low-noise receivers, including two receivers employing superconducting (SIS) mixers. New circuits and materials have been developed to reduce losses and increase bandwidth, and models for circuit elements have been developed and validated at these frequencies. One paper describes a 94GHz low noise MESFET oscillator which includes a planar dielectric resonator (with whispering gallery modes) for stabilization. Another paper discusses waveguide-to-microstrip transitions having extremely low losses and exceptionally wide bandwidth.

**8:30 am–10:00 am, May 26, 1988**  
**Jacob Javits Convention Center, Hall 1E**  
**Room 4**