

# Session WE1E

## Millimeter-Wave Circuits and Systems

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### Chairman:

**K. Agarwal**

University of Bridgeport

### Co-Chairman:

**M. Matloubian**

Hughes Research Laboratories

This session presents new results in millimeter-wave circuits and systems. A W-band HEMT based monolithic circuit with 175 mW output power is reported. This is the highest reported power for a HEMT monolithic circuit at 90 GHz. Included in this session is a 94 GHz integrated transceiver using insular guides. The session concludes with two presentations emphasizing high yield manufacturing of HJFET and PHEMT at millimeter-wave frequencies.

**8:30 a.m.–10:00 a.m., Wednesday, May 17, 1995**  
**Room A4**