

**Session: WE1E**



# **Millimeter Wave Systems and Components**

*Chair*

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This session addresses the applications of state-of-the art millimeter wave circuits to the emerging wireless communications market. The first paper describes new millimeter wave frequency allocations by the FCC for commercial use. The second paper describes one of the most promising applications of 60 GHz, wireless LANs. The third paper discusses the development of a Ka band transceiver for battlefield identification. The next four papers present novel approaches to millimeter wave signal generation and amplification. They include an injection locked PHEMT oscillator, InP HEMT YGA's, W-Band PHEMT VCOs, and an InP IMPATT oscillator.

**8:00 am - 9:50 am Wednesday, June 19, 1996  
Room 130**

