

# **Session WE3B**

## **Quasi-Optical Passive and Amplifier Arrays**

**Chairman:**

**J.F. Harvey**

U.S. Army Research Office

This session includes significant advances in quasi-optical power combining in passive and amplifier arrays: the first two stage quasi-monolithic amplifier array demonstrating absolute power gain at Ka-band, a focal fed lens amplifier demonstrating beam forming and beam switching when fed by several grid oscillator arrays; the first two stage amplifier array with ground plane isolation and EM coupling showing absolute power gain; loaded and unloaded grating analysis and design; and the use of evanescent wave coupling.

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**1:30 p.m.–3:00 p.m., Wednesday, May 17, 1995**  
**Room A2**