

# **Session A**

## **(Joint with MMWMC)**

### **Subsystems 2**

**Chairman:**

**J.G. Oaks**  
Raytheon ADC  
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**Co-Chairman:**

**T.A. Midford**  
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The second subsystems session covers T/R module and communication systems applications of GaAs MMICs. The first paper describes a wideband, G-18 GHz T/R module with less than 8dB noise figure and 24–26 dBm output power. A broadband preamplifier with 12 GHz response and a monolithic transimpedance amplifier extending from DC to 1.6 GHz optical communications systems will be described. Finally, a monolithic image rejection downconverter operating from 1.5 GHz to 2.5 GHz with a 0 to 100 MHz IF will be discussed for application to public telephone networks.

**8:00 a.m.–9:00 a.m., Tuesday, June 2, 1992**  
**Kiva Auditorium**