

# **Session II**

## **Low-Noise and Low-Power Amplifier**

**Co-Chairmen:**

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TRW

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Recent advances in small-signal amplifiers to reduce power consumption, extend low-noise bandwidth, and improve producibility are presented in this session. Monolithic amplifiers continue to push the limits of bandwidth for low noise, including 1.5 dB average noise figure over 0.9–3 GHz, 2.0 dB over 2–6 GHz, 2.5 dB over 6–18 GHz, and 4.5 dB over 20–60 GHz. Other small-signal amplifiers emphasize low power dissipation, achieving a gain/power coefficient of 19.1 dB/mW, and producibility. The trend in the industry toward commercial applications is expected to increase the emphasis on low power dissipation and producibility.

**10:00 a.m.–12:00 p.m., Monday, June 1, 1992**  
**Ballroom A**