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MILLIMETER-WAVE AMPLIFIER TECHNOLOGY

Chairman: Apostle G. Cardiasmenos—Raytheon Company

Session Abstract: Progress in solid-state amplifier technology at short millimeter wavelengths has reduced achievable noise figures to levels previously reported only using cooled mixer or maser receiver devices and systems. Advanced designs based upon use of HEMT devices in both traditional microstrip as well as co-planar circuit configurations are demonstrating levels of performance useable for advanced applications in smart munitions, EW and communications systems. Key results, and characterization techniques, for devices and amplifiers operating between 30 and 110 GHz will be discussed by a variety of authors.

**4:00 p.m.–5:30 p.m., Wednesday, June 14, 1989
Center Theater**