

## Commercial and Industrial Microwave Systems

Session Organizers: Roger Marks, NIST; George Heiter, Analog Devices

Session Chairs: Richard G. Ranson, Filtronic Comtek; David Meharry, Lockheed Martin

Miniature P-Code GPS Translator, J. Smuk, P. Blount, C. Trantanella, and M. Shifrin, Hittite Microwave Corp., Woburn, MA

A Broadband Linearizer for Ka-Band Satellite Communication, W.-M. Zhang and C. Yuen, Space Systems Loral, Palo Alto, CA

Procedure for Measurements and Statistical Processing of Upstream Channel Noise in HFC-Networks, K. Haelvoet, J. Vandenbrouaene, E. Claus, K. De Kessel, and L. Martens, IMEC-INTEC, University of Gent, Gent, Belgium

Novel Microwave Vibration Monitoring System for Industrial Power Generating Turbines, C. Stephelbauer, M. Vossiek, A. Schultze, M. Wagner, R. Weigel\*, N. Vortmeyer\*\*, and P. Heide, Siemens AG, Corporate Technology, Munich, Germany; \*Johannes Kepler University, Austria; \*\*Siemens AG, Power Generation Group, Mühlheim, Germany

Integrated 5.8 GHz Phased Array Antenna for Electronic Toll Collection, G. Villino, C. Passman, D. Mansen, C. Brenzel, and T. Wixforth, Robert Bosch GmbH, Hildesheim, Germany