

# ***Technical Program***

## **51st ARFTG Conference**

### **Oral Papers**

1. "Frequency Domain Measurement of Multipath Effects in Wideband 2.4 GHz Wireless Channels"

**A. Kuppusamy, P. Flikkema, T. Weller**

*U. South Florida*

2. "Satellite Communications Payload Simulator for Mobile and Fixed Satellite Services"

**P. Palena, G. Silverman, S. Samani, J. Hopkins and S. Sroczyk**

*Lockheed Martin CPC*

3. "Flexible, Low Cost, Automatic Emulator for Channel Characterization of Wireless and Satellite Systems"

**C. Briso, J. Alonso**

*Madrid, Spain*

*AM Break*

4. "Vector Corrected Harmonic Measurement of High Power Transistors"

**L. Pattison, A. Greer, D. Linton, A.D. Patterson, J.G. Leckey**

*Queens University, Belfast, U.K.*

5. "Characterization and Verification of CDMA Power Amplifiers"

**R. Mahmoudi, P. Valk, K. Mouthaan, G. L. Tauritz & P. Snoeij**

*Delft Institute, The Netherlands*

6. "Characterization and Reduction of Local Oscillator Phase Noise Effects in DSB Radios"

**E. Godshalk**

*Maxim*

*Lunch*

7. "Characterization of On-Wafer Diode Noise Transfer Standards"

**J. Randa, D. Walker, L. Dunleavy, R. Billinger, & J. Rice**

*NIST*

8. "Accuracy Improvements in Microwave Noise Parameter Determination"

**M. Schmatz**

*ETH, Zurich, Switzerland*

9. "Metal-Insulator-Semiconductor Transmission Line Model"

**D. Williams**

*NIST*

*PM Break*

10. "Advanced TRL Fixture Design and Error Analysis for RF High Power Transistor Characterization and Automatic Load Pull Measurement"

**D. Shih & S. Rumery**

*HP, Folsom, CA*

11. "Pulsed IV Measurements for RF GaAs Devices"

**E. Johnson**

*Motorola, Tempe, AZ*

12. "Comparison of SOLR & TRL Calibrations"

**D. Walker & D. Williams**

*NIST*

## Poster Papers

"Extending the Bandwidth of the HP 89410 Vector Signal Analyzer to 250 MHz"

**B. Matreci**

*HP SRDS*

"In-Line Multiport Calibration Algorithm"

**D. Walker & D. Williams**

*NIST*

"Lumped Element Impedance Standards"

**D. Walker & D. Williams**

*NIST*

"Vector Corrected Power Sensor Calibration System"

**J.R. Fenton**

*TRW*

"1 MHz Loadline System Useful for Quantifying Dispersion in GaAs FETs"

**T. Driver**

*Motorola, Tempe, AZ*

"The Development of RF Front End for CDMA Mobile Communication System Based on IS-95"

**X. Zhu, J. Zhou & W. Hong**

*Southeast U., PR China*

"A New Measurement Technique & Characterization Tool for Push-Pull Circuit Design"

**C. Khandavalli & S.T. Chen**

*Fujitsu, CA*

"Close-In Phase Noise Measurements of Injection Locked Voltage Controlled Oscillators"

**A. Rodriguez, L. Dunleavy, & T. Weller**

*U. of South Florida*

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*In conjunction with the 51st ARFTG Conference, ARFTG will cosponsor two sessions of the 1998 IEEE MTT-S International Microwave Symposium on Thursday, June 11, 1998. Registrants of the ARFTG Conference are invited to attend these sessions, the papers from which will be printed in both the IMS and ARFTG digests.*

*Commercial and Industrial Microwave Systems*

*Session TH1B*

*Baltimore Convention Center, Room 309/310*

*Thursday, June 11, 1998, 8:00-9:40 am*

*Digital Interconnection Techniques and Characterization at GHz Frequencies*

*Session TH4B*

*Baltimore Convention Center, Room 309/310*

*Thursday, June 11, 1998, 3:30-5:10 pm*