

# 90<sup>th</sup> ARFTG Microwave Measurement Conference



## NIST-ARFTG SHORT COURSE on Microwave Measurements

November 28<sup>th</sup> – 29<sup>th</sup>, 2017  
Boulder, Colorado

# ARFTG-NIST Short Course on Microwave Measurements

Nov. 28<sup>th</sup>-29<sup>th</sup>, 2017  
Boulder, Colorado



## AGENDA

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### Tuesday, November 28<sup>th</sup>

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|-------------------------|---|
| 7:30 a.m. – 8:00 a.m.   | <b>Registration</b>   |
| 8:00 a.m. – 8:10 a.m.   | <b>Welcome and Introduction</b><br><i>Mohamed Sayed, Microwave and Millimeterwave Solutions</i>                         |
| 8:10 a.m. – 9:00 a.m.   | <b>Microwave Power Measurements and Uncertainties</b><br><i>Ron Ginley, NIST</i>  |
| 9:00 a.m. – 9:50 a.m.   | <b>VNA Measurements, Calibrations and Uncertainties</b><br><i>Ken Wong – Keysight Technologies</i>                      |
| 9:50 a.m. – 10:20 a.m.  | <b>Break</b>  |
| 10:20 a.m. – 11:10 a.m. | <b>Time-Domain Measurements for Microwave Applications: What The Manual Doesn't Tell You</b><br><i>Paul Hale – NIST</i> |
| 11:10 a.m. – 12:00 p.m. | <b>RF &amp; Microwave Noise Measurements</b><br><i>Gary Simpson – Maury Microwave</i>                                   |
| 12:00 p.m. – 1:00 p.m.  | <b>Lunch</b>  |
| 1:00 p.m. – 1:50 p.m.   | <b>Connectorized Millimeter-Wave S-Parameter Measurements</b><br><i>Jon Martens – Anritsu</i>                           |
| 1:50 p.m. – 2:40 p.m.   | <b>Waveform and Modulated-Signal Traceability for Millimeter-Wave Applications</b><br><i>Dylan Williams – NIST</i>      |
| 2:40 p.m. – 3:10 p.m.   | <b>Break</b>  |
| 3:10 p.m. – 4:00 p.m.   | <b>Microwave Metrology of Nano-electronic Devices and Nanomaterials</b><br><i>Mitch Wallis – NIST</i>                   |
| 4:00 p.m. – 4:50 p.m.   | <b>New Methods for Data Analysis and Management</b><br><i>Aric Sanders – NIST</i>                                       |
| 4:50 p.m. – 5:00 p.m.   | <b>'Bring Your Problems'</b><br><i>All instructors</i>  |

## **Wednesday, November 29<sup>th</sup>**

- 8:00 a.m. – 8:50 a.m.      **Vectorial Large-Signal Measurements**  
*Dominique Schreurs – K.U.Leuven*
- 8:50 a.m. – 9:40 a.m.      **Microwave Radiometry for Internal Body Temperature Measurements**  
*Zoya Popovic – University of Colorado, Boulder*
- 9:40 a.m. – 10:10 a.m.      **Break**
- 10:10 a.m. – 11:00 a.m.      **Application of Vector Nonlinear Microwave Measurements to Modeling and PA Design**  
*Patrick Roblin – The Ohio State University*
- 11:00 a.m. – 11:50 a.m.      **Application of RF I-V Waveform Measurements and Engineering**  
*Paul J. Tasker – Cardiff University, UK*
- 11:50 a.m. – 12:00 p.m.      **Wrap-up**

### **Contact:**

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