

January 23 – 24, 2017
The Florida Hotel & Conference Center | Orlando, Florida

TE-10 | Monday, January 23 | 1:00 PM - 5:00 PM | ½ Day PM

Course Title: Microwave Measurement Basics

Instructor: Ronald Ginley, National Institute of Standards and Technology (NIST)

Track: Technician, Engineer

Type: Electrical

Technical Level:

Intermediate – students must possess as a basic understanding of course concepts

Course Description:

Have you ever wanted to learn more about microwave measurement techniques? This session is the place to be! An introduction to the measurement concepts for microwave power and scattering-parameters will be covered. Specific topics covered will include transmission line theory, practical handling or the do's and don'ts for transmission lines and microwave connectors, Vector Network Analyzer calibration/measurements and real world sources of uncertainties, microwave power detectors types, power measurements and uncertainties, and the session will conclude with a discussion of verification techniques for microwave measurements.

Instructor Biography:

Ronald A. Ginley received a BS in EE in 1981 from the University of Colorado and in 1983 he received an MS in EE from Carnegie-Mellon University. His area of study was solid state physics and EM field theory. Mr. Ginley is currently employed (and has been for the past 34 years) by The National Institute of Standards and Technology (NIST). At NIST Mr. Ginley has several areas of responsibility. He is responsible for the metrology research in the microwave scattering-parameter and power areas and leads the microwave measurement services