

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

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**TE-12 | Tuesday, January 24 | 8:00 AM – 12:00 PM | ½ Day AM Course**

**Title: Achieving Accreditation: Traceability, CMC's Software Validation and Assessment survival**

**Instructor:** Greg Strouse, National Institute of Standards and Technology (NIST)

**Topic:** Laboratory Management

**Technical Level:**

Beginner – course content is designed for students with no previous experience

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

**Course Description:** This seminar will discuss several topics regarding various aspects of achieving accreditation including:

- How traceability to the SI is created and defined
- Maintenance of the traceability chain
- How traceability plays a critical role in 17025
- Developing Calibration and Measurement Capabilities (CMCs) for inclusion in a Scope of Accreditation
- 17025 requirements of software validation and the assessor interpretation
- Preparing for an assessment – what does an assessor look for in the implementation of a Quality System
- Understanding the NIST and the international metrology puzzles

**Instructor's Biography:**

Gregory F. Strouse is the Associate Director for Measurement Services of the Physical Measurement Laboratory (PML) at the National Institute of Standards and Technology (NIST), and is a member of the board responsible for assessments of the NIST Quality System. Since joining NIST in 1988, he has become a leading expert in temperature measurement and the realization and dissemination of the International Temperature Scale of 1990 (ITS-90). He has designed and built up several new world-class facilities including laboratories for the calibration of standard platinum resistance thermometers, thermocouples and industrial thermometers, and he is a NVLAP technical and lead assessor. His current research interests include NIST-on-a-Chip embedded sensors, cold-chain management for vaccines, dynamic pressure sensors and standards, Johnson noise thermometry, acoustic gas thermometry, realization of the Boltzmann constant, photonic pressure standards and sensors, and development of alternative thermometers.