

February 26-28, 2018

The Florida Hotel & Conference Center | Orlando, FL
1500 Sand Lake Road, Orlando, Florida 32809 | 1-800-588-4656

TE-2 | Monday, February 26 | 8:00 AM - 5:00 PM | 1-Day (8 Hours)

Course Title: Temperature and Humidity: Chamber Use and Calibration

Instructor: Dr. Cesar “Jun” Bautista, American Gage

Track: Thermodynamics

Course Description:

This course will focus on the Best Practices in the use of portable temperature and humidity chambers, the maintenance do’s and don’t’s, calibration techniques and methods to certify the temperature and humidity chambers. Finally, an explanation of some of the most common and not so common uncertainties associated with the measurement results while using the portable chambers. Several different types of temperature and humidity chambers will be introduced, two of which are part of American Gage’s ISO/IEC 17025 Scope of Accreditation. A few minutes will be dedicated to a glimpse of future developments in temperature and humidity measurements and the impact of Quantum SI on these measurement disciplines.

Learning Objectives:

1. Best Practices involved in the use of portable temperature and humidity chambers for laboratory and field calibration.
2. Maintenance do’s and don’ts in the use of portable temperature and humidity chambers. Calibration interval adjustments and possible calibration options.
3. Explanation of measurement uncertainties associated with measurement results obtained from the portable temperature and humidity chambers and possible options to lower the uncertainty of measurements.