

February 26-28, 2018

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

TE-22 | Wednesday, February 28 | 8:00 AM - 5:00 PM | 1-Day (8 Hours)

Course Title: Introduction to Dimensional Calibration

Instructor: Jim Salisbury, PhD, Mitutoyo America

Track: Mechanical

Course Description:

This course is an introduction to common dimensional calibrations and will include a variety of hands-on exercises. This course focuses on the calibration of small dimensional measuring instruments, such as micrometers, calipers, and indicators, and will include procedures, worksheets, and example certificates. The hands-on use of important measurement standards, such as gage blocks, ring gages, and optical flats will also be covered, as well as what to look for in the calibration of the standards. Lastly, this course will briefly discuss the field calibration of major instruments such as optical comparators and coordinate measuring machines.

Learning Objectives:

1. Practical skills in the calibration of common dimensional measuring instruments.
2. Understanding of best calibration practices, application of American metrology standards, and the extension of the basic principles to the calibration of other items.
3. Selection of the proper measurement standards and calibration providers based on an understanding of accuracy and uncertainty.