

February 25 – 27, 2019

The Florida Hotel & Conference Center | Orlando, Florida

1500 Sand Lake Road, Orlando, Florida 32809

1-800-588-4656

## **TE- 6 | February 25 | 8:00 AM - 5:00 PM | 1 Day (8 hours)**

### **Course Title: Geometric Dimensioning and Tolerancing (GD&T): Application of Calibration Requirements**

**Instructor:** E.A. “Tony” Bryce, Sandia National Laboratories

#### **Course Description:**

The course will cover, related to gage design, symbol interpretation, feature control frames, datums and datum reference frames (DRF), material conditions (MMC & LMC), positional tolerancing, profile tolerancing, orientation (parallelism, angularity and perpendicularity), profile tolerancing. Determination of feature virtual condition boundaries will also be covered. This course is based on ASME Y14.43 Dimensioning and Tolerancing Principles for Gages and Fixtures and the ASME Y14.5 Dimensioning and Tolerancing Principles. Gaging principles will be applied to both functional hard gages as well as CAD based soft gaging applications. This course is suitable for those individuals needing a basic understanding of the concepts related to drawing and CAD model definition. Please note that course participants should be very familiar with 2D engineering drawings.

#### **Instructor Biography:**

Tony Bryce is an ASME certified Senior Level GD&T Professional who has over 33 years of metrology experience at Sandia National Laboratories in Albuquerque, NM where he serves as a R&D Technical Team Leader in the Primary Standards Laboratory. He also serves as an adjunct professor in the Mechanical Engineering Department at NM Tech University in Socorro, NM. He has earned a B.S. in Education from the University of NM.