

February 25 – 27, 2019

The Florida Hotel & Conference Center | Orlando, Florida

1500 Sand Lake Road, Orlando, Florida 32809

1-800-588-4656

TE- 15 | February 26 & 27 | 8:00 AM - 5:00 PM | 2-Day (16 hours)

Course Title: Decision Rules: Reducing Risk in Conformance Decisions

Instructor: Scott Mimbs, Consultant

Course Description: This two-day course provides the information needed to evaluate the decision risk for measurements used in conformity assessments and to develop decision-rules that mitigate the risks. The technical and mathematical details are based on International standards and internationally accepted practices. There is a focus on metrology's influence throughout a product's lifecycle, and where key elements reside within the Quality Management System (QMS), specifically ISO 9001:2015, AS9100D, and ISO 13485:2016. This course provides the information to meet the decision rule requirements found in ISO/IEC 17025:2017 and the 2% risk requirements of ANSI/NCSL Z540.3-2006. Properly designed decision-rules help strike a balance between the cost of reducing the likelihood and the cost of the negative consequences that may result from an incorrect measurement-based decision.

Instructor Biography: Scott Mimbs recently retired from NASA where he was the NASA Metrology and Calibration Program Manager. Mr. Mimbs has worked in the aerospace field for over 30 years as an aircraft mechanic (FAA certified A&P and private pilot), Space Shuttle mechanical technician, Titan rocket technician, and Titan Ground Support Engineer. After earning his Bachelor of Science in Mechanical Engineering at the University of Central Florida, he left aerospace to work in the Power Generation industry as a Fluids Design Engineer leading several large, international projects. Returning to aerospace, Mr. Mimbs joined NASA in 2005 where he led NASA's Metrology and Calibration (MetCal) Program until his retirement in 2013. As the head of NASA's MetCal Program, Mimbs worked with NASA, other government agencies, and industry experts to promote and advance the science of metrology. He initiated and led the development of a NASA measurement quality assurance handbook, acted as technical lead on two metrology-based independent assessments, authored several international metrology papers, and developed several training programs covering measurement uncertainty and measurement decision risk.