

## Measurement of Uncertainty

### Course Description:

This one-day course teaches a practical approach to measurement uncertainty applications for testing and calibration laboratories. Topics include the steps required, accepted practices, and the types of uncertainties that need to be considered by accredited laboratories.

### Learning Objectives:

Through a combination of presentation, discussion and in-class exercises, participants will understand:

- The definitions and key concepts relevant to Measurement of Uncertainty.
- Identifying Uncertainty sources.
- Quantifying Uncertainty.
- Combined Uncertainty Calculation
- Reporting Uncertainty.
- The difference between Calibration and Measurement Capability (CMC) and Measurement Uncertainty (MU).

### Who Should Attend:

Laboratory management or technical staff responsible for uncertainties.

### Prerequisite:

Attendees should have some experience working in a laboratory environment. Some introductory knowledge of the concepts and techniques related to measuring uncertainty would be helpful.

### Location:

On-Site

### Duration:

1 Day