



## Understanding ISO/IEC 17025 – Requirements for analytical laboratories

**09.00**     *Registration and coffee*

### **Morning session**

**09.20**     Introduction and discussion about quality

Lecture: What is quality?

- What is quality?
- Structure of a quality management system
- Benefits and consequences
- Terminology

Workshop: Establishing customer requirements

Management requirements (Clause 4 of ISO/IEC 17025)

- Requirements of ISO/IEC 17025
- Practical implementation

Introduction to technical components of quality assurance (Clause 5 of ISO/IEC 17025)

- Method validation
- Measurement uncertainty
- Traceability

### **Afternoon session**

Introduction to method validation and workshop

- What is method validation?
- Why is method validation necessary?
- Key method performance parameters
- Meeting performance requirements
- Practical exercise

Monitoring method performance

- Quality control
- Proficiency testing

Workshop: How do you demonstrate what has been done

Official recognition of laboratory operations: accreditation to ISO/IEC 17025

- What is ISO/IEC 17025?
- ISO/IEC 17025 vs ISO 9001
- Clauses of the standard
- Fixed and flexible scope

**17:00**     *Close*