

# CT002 EVALUATING MEASUREMENT UNCERTAINTY

This training course is intended for professionals who perform or manage critical measurement/calibration tasks and who need to evaluate the measurement uncertainties associated with their measurement results. The course is based on the internationally accepted method given in the ISO Guide to the Expression of Uncertainty in Measurement.

## COURSE CONTENT

- The importance of measurement uncertainty
- Understanding and modelling the measurement process
- Statistical tools for uncertainty evaluation
- Identifying and assessing measurement input quantities
- Using Excel© to formulate an uncertainty budget
- Combining standard uncertainties
- Reporting the measurement uncertainty
- Worked examples and exercises on uncertainty evaluation

*Tuition will consist of classroom work, exercises and practical sessions.*

*Note: Extra half day option available to discuss user specific uncertainty evaluations.  
(price on request)*

**DATES:**  
8<sup>th</sup> December 2011

**DURATION:**  
1 day (with an additional half day option available)

**VENUE:**  
NML or in-company by arrangement

**FEE:**  
€480 (including documentation, lunch and refreshments)