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Information on the course 'Uncertainty Calculation'

Against the background of an increasing demand on quality of measurements, uncertainty statements are becoming an increasingly important part of the measurement results. This is why many companies and institutes start to re-evaluate the uncertainties of their measurement processes. Due to the many standards with respect to measurement uncertainty, many people have difficulties in starting their own uncertainty evaluations in practice.

The three day course is meant for employees involved in measuring and uncertainties and who have to interpret these measurements and differences in measurement results.

This course intends to offer participants a practical guidance towards the correct use and evaluation of measurement uncertainties on basis of the EA-4/02 document of the European cooperation for Accreditation. This document includes the European demands with regard to uncertainty calculation in accredited laboratories. Theory alternates with practice. Making calculations themselves is an essential part of the course. Items dealt with are: measurements and uncertainties, recipe for performing an uncertainty calculation, sources of uncertainty, setting up an mathematical model for uncertainty calculation, statistical analysis of measurement results.

Having finished the course, participants should be able to perform uncertainty calculations on their own.



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