

# Available Training Programmes under HKTIC

## 2 Measurement Uncertainty for Analytical Laboratories

*Suitable for Managers, Supervisors, Approved Signatories, Authorized Representatives, Auditors*

This two-day course focuses on the different aspects of measurement uncertainty mainly for chemical laboratories. It provides participants fundamental knowledge and guidelines on what is measurement uncertainty, statistics involved and how the uncertainty can be estimated under different testing conditions. This course covers the needs of measurement uncertainty, APLAC guidelines on the estimation of measurement uncertainty, basic statistics, ISO GUM principles, EURACHEM approach, difference between ISO GUM and EURACHEM, sources of measurement uncertainty for chemical tests, uncertainties of some common parameters, common mistakes encountered in estimation of measurement uncertainty, compliance decisions, relationship of measurement uncertainty and quality control checks criteria, examples, workshops and references and development.

The course is designed and delivered by professional analytical chemist who was also an ex-HOKLAS Accreditation Officer. She has more than twenty-five years experience in chemical analysis in Government Laboratory. She was the co-chairman of the APLAC Technical Committee for preparation of the APLAC guidelines on the estimation of measurement uncertainty.