

JRC

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Institute for Reference
Materials and Measurements

The mission of the JRC-IRMM is to promote
a common and reliable European measurement system in
support of EU policies.

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European Commission
Joint Research Centre
Institute for Reference Materials and Measurements

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Europe & Metrology in Turkey,
(EMIT) workshop
Training methodologies in
Metrology in Chemistry
(according to TrainMIC®)

LEAFLET

Event code: EMIT S04-04 to 09

Karadeniz Technical University,
Trabzon, Turkey.
22nd-24th February, 2011



EUROPEAN COMMISSION

Robust science for policy making

OUR MISSION

The mission of the Joint Research Centre is to provide customer-driven scientific and technical support for the conception, development, implementation and monitoring of European Union policies. As a service of the European Commission, the Joint Research Centre functions as a reference centre of science and technology for the Union. Close to the policy-making process, it serves the common interest of the Member States, while being independent of special interests, whether private or national.



Aim

- To promote innovative educational approaches and assessment methods.
- To facilitate the metrology knowledge transfer to universities, accredited laboratories, institutes and industry and other end-users.
- To promote the attractiveness of lifelong learning in the field of metrology in Chemistry
- To bring together people interested in finding effective and novel ways of teaching metrology in Chemistry.

Who should attend?

Professors, researchers and students from Universities and institutes, Managers and practitioners, professional and non-governmental organisations

Language

Workshop will be held in English with translation to Turkish

Practical information*Important dates*

3rd January 2011: Registration opens for participants

1st February 2011: Deadline for registration

22-24th February 2011: Workshop

Registration: This event will be open to the main beneficiaries, universities, accredited laboratories, other institutes and industry. Registration will be possible via the JRC Events Registration System (<https://jrc-meeting-registration.jrc.ec.europa.eu/>). A link to this via the EMIT website (<http://irmm.jrc.ec.europa.eu/Turkey>) will be provided.

Registration fee: Participation is free. Refreshments and lunches will be served.

For late registrations or supplementary information requests, please send an e-mail to JRC-IRMM-TURKEY-METROLOGY@ec.europa.eu

**Topics tackled during workshop**

- Advice on how to effectively train people in *Metrology in Chemistry*,
- The importance of sampling as a part of a measurement procedure
- Method Optimisation
- Practical examples based on experience re internal quality control
- Training methodologies used to present Single Laboratory validation of measurement procedures
- Purpose of presenting the Interlaboratory comparison module and questions to be answered
- How to bring the topic "Traceability" closer to your listeners.
- Principles of uncertainty training
- What is important in explaining various approaches to uncertainty evaluation
- Use of mini case studies during the *Uncertainty* training process
- How to train statistics in an interactive way
- Practical approaches to training statistics
- Selection and use of reference materials
- TrainMic®. Exercises