

Venue



38°43'3.27"N
9°9'3.10"W



VENUE

The workshop will be held in the Science Museum of the University of Lisbon
Rua da Escola Politécnica, 58
1250 Lisboa, Portugal
(300 m from "Rato" Metro Station)

WORKSHOP DINNER

The workshop dinner will be held, on the evening of the 6th June, in a typical Portuguese restaurant "O Forcado" (<http://www.oforcado.com/>) near the venue (800 m). The dinner will cost 40.00 € per person and includes fado and folk dances show.

WORKSHOP LANGUAGE

The workshop language is English.

LOCAL ARRANGEMENTS

Ricardo Bettencourt da Silva
Faculty of Sciences of the University of Lisbon
Edifício C8, Campo Grande, 1749-016 Lisboa, Portugal

Registration and accomodation

REGISTRATION

The deadline for early registration is April 30. The on-line registration form is available in the workshop website. Registration fee includes documentation, coffee-breaks, lunches and free access to the museum during the workshop:

	Regular participant	Associate participant	Student
Early registration (before April 30)	350 €	300 €	200 €
Late registration	400 €	350 €	250 €

Associate participant – Members of the following organizations: Eurachem, Eurachem Portugal, CITAC, Eurolab, RELACRE and SPQ (Portuguese Chemical Society).

The workshop dinner is not included in the fee.

ABSTRACTS SUBMISSION

The deadline for abstract submission for poster presentation has been extended to April 30.

HOTEL INFORMATION

The following hotels are recommended for their proximity to the meeting place:

Casa São Mamede

Email: casadesaomamede@hotmail.com

Special rates for participants (breakfast included):

Single room - 70 € ; Double room - 80 €.

Ibis Lisboa Liberdade

Email: h3137@accor.com

Rates: Single or Double room: 69 €/Night/Person;

Breakfast: 6 €/Meal/Person.

Lisbon Dreams Guesthouse

Email: info@lisbondreamsguesthouse.com

Special rates for participants (breakfast included):

Single room - 45 € ; Double or Twin room - 51 €;

Triple room - 68 €.

Hotel Botânico

Email: info@hotelbotanico.pt

Special rates for participants (breakfast included):

Single room - 60 € ; Double room - 70 €.

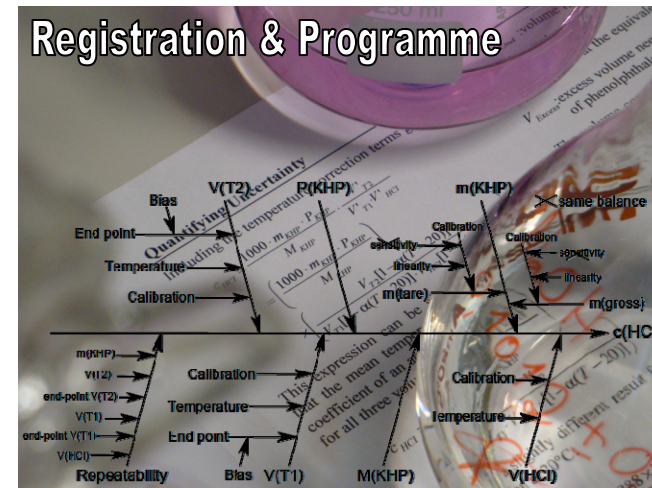
Eurachem



Eurachem | CITAC
Measurement uncertainty
and Traceability
Working Group



Recent Developments in Measurement Uncertainty



<http://eurachem2011.fc.ul.pt>

Lisbon,
6-7 June
2011

Scope

The EURACHEM/CITAC Measurement Uncertainty and Traceability Working Group invites you to participate in the next EURACHEM workshop to be held in Lisbon, between the 6th and the 7th June 2011. The event will be jointly organised by EURACHEM Portugal and RELACRE. Discussion of recent developments in measurement uncertainty evaluation will take place in the frame of the proposed revision of the Eurachem/CITAC guide "Quantifying Uncertainty in Analytical Measurement".

The second edition of the EURACHEM/CITAC Guide for quantifying uncertainty in analytical measurements, published in 2000, is the most cited document in Metrology in Chemistry. The success of this document is based on the balance of the clarity and detail of technical discussions with the pragmatism of the proposed solutions for the evaluation of the measurement uncertainty.

After a decade of developments supported on the principles presented and introduced by the EURACHEM/CITAC Guide, this document is being revised and updated to take account of new terminology and recent developments in measurement uncertainty evaluation.

The workshop includes:

- sessions dedicated to the presentation and discussion of the draft version of the third edition of the EURACHEM/CITAC Guide,
- breakout sessions on the main changes in the Guide and
- sessions dedicated to the presentation and discussion of original work from participants.

The workshop will be an excellent opportunity to follow and present the most recent developments on Metrology in Chemistry, thus celebrating the International Year of Chemistry, IYC 2011 - Chemistry, our life, our future.

The workshop will take place at the Science Museum of the University of Lisbon, and will be part of the list of events that celebrates the celebrate the Faculty of Science's first centenary.

ACQUAL TOPICAL ISSUE

The Journal "Accreditation and Quality Assurance (ACQUAL)" will publish a Topical Issue dedicated to the Workshop. Participants are invited to submit work presented at Eurachem 2011 for publication in this issue. Articles will follow the usual peer review process.

Programme

Day 1

DAY 1: 6 JUNE 2011

MEASUREMENT UNCERTAINTY AND TRACEABILITY

08:00 Registration

09:00 Welcome and Opening

Session: Measurement Uncertainty

Chair: *M. Filomena Camões*

09:20 *Alex Williams* - Principles of uncertainty evaluation

09:50 *Steve Ellison* - The new draft Guide: a summary of structure and changes

10:20 COFFEE BREAK

Session: Practical evaluation of Measurement Uncertainty

Chair: *Steve Ellison*

10:50 *Jane Weitzel* - Use of Measurement Uncertainty in Testing a Drug Substance

11:20 *Sandra Calisto et al.* - Validation of measurement uncertainty: total hardness in drinking and natural waters as a case study

11:40 *Maria Trancoso et al.* - Indoor air quality: Measurement uncertainty as a tool for the anion - cation balance acceptance criteria

12:00 *Byungjoo Kim et al.* - Uncertainty evaluation model for a practical approach in the certification of CRM: Performing certification and homogeneity test simultaneously

12:20 *Wesley M. Johnson* - The use of measurement uncertainty in an operating mine

12:40 *Ilya Kuselman* - Metrologically-related out-of-specification test results

13:00 LUNCH

Session: Compliance and Traceability

Chair: *Alex Williams*

14:00 *Bertil Magnusson* - Uncertainty and compliance assessment

14:30 *Ricardo Bettencourt da Silva* - Uncertainty and metrological traceability

15:00 COFFEE BREAK

15:30 Breakouts in parallel sessions

Session A: Compliance

Chair: *Bertil Magnusson*

Wilfried Hinrichs - A probabilistic approach to assessing the compliance of concrete regarding the content of dissolved chloride in its components

Session B: Traceability

Chair: *Ricardo Bettencourt da Silva*

Francesca Rolle et al. - Metrological traceability for benzo[a]pyrene quantification in airborne particulate matter

17:00 FEEDBACK FROM BREAKOUTS

17:30

19:30 DINNER "O Forcado"

Programme

Day 2

DAY 2: 7 JUNE 2011

NUMERICAL APPROACHES, SOFTWARE EVALUATION AND FUTURE DIRECTIONS

Session: Numerical methods

Chair: *Bertil Magnusson*

09:00 *Steve Ellison* - Monte Carlo evaluation, Kragten and Numerical derivative methods

09:30 *Matthias Roesslein* - GUM/Supplement 1 - Numerical implementation

10:00 Poster Session including Coffee break

12:00 LUNCH

Session: Numerical methods continued

Chair: *Maire Walsh*

13:00 Introduction to breakouts

13:15 Breakouts in parallel sessions

Session C: Numerical methods

Chair: *Matthias Roesslein*

Pedro A. S. Salgueiro et al. - Metrological assessment of internal standard technique for quality control of GC-MS determinations for arson detection

Session D: Uncertainty and detection limits

Chair: *Steve Ellison*

Rudolf Schneider et al. - Uncertainty in Measurement with Immunoassays

14:30 COFFEE BREAK

Session: Future Directions

Chair: *Maire Walsh*

15:00 *Adriaan M.H. van der Veen* - Revision of the Guide to the expression of uncertainty in measurement

15:30 *Katy Klauenberg et al.* - Bayesian Uncertainty Analysis of an International ELISA Comparability Study

15:50 CLOSING DISCUSSION

16:30

Sponsors:

