

## Venue



### CONFERENCE LOCATION

The conference will be held in the Federal Institute for Materials Research and Testing (BAM)  
Unter den Eichen 87  
12205 Berlin, Germany

### CONFERENCE LANGUAGE

The conference language is English.

### LOCAL ARRANGEMENTS

Roswitha Nüsser  
EUROLAB-Deutschland  
Unter den Eichen 87  
12205 Berlin, Germany  
Phone +49 30 81043703  
Fax +49 30 81043717  
Mail eurolab-d@bam.de

## Organisation and accommodation

A number of rooms are reserved **until 17 March 2008** in the Best Western Hotel Steglitz International, Albrechtstrasse 2, 12165 Berlin.

Before this date rooms may be booked at a reduced rate of € **82,50 (single room)**, € **102,50 (double room)** incl. service, breakfast and 19% VAT, using the reservation code „EUROLAB“.

Phone +49 30 79 00 55 21, Fax +49 30 79 00 55 30  
Mail info@steglitz.bestwestern.de  
URL www.si-hotel.com  
(click “Corporate booking”, enter EUROLAB in the “Room allotment code”).

Additional hotel information and room reservations are provided by Berlin Tourismus Marketing GmbH  
Phone +49 30 250 02 5, Fax +49 30 250 02 424  
Mail information@btm.de  
URL www.berlin.de

### REGISTRATION\*

Send the attached registration form to EUROLAB-Deutschland via Mail, Letter or Fax **before 10 April 2008**.

### CONFERENCE FEE

**Two - days participation** (dinner included)

Registration fee before 1 March 2008 or for CITAC, EURACHEM, EUROLAB members € 440,00

Registration fee after 1 March 2008 € 480,00

**One - day participation** (without dinner)

Registration fee before 1 March 2008 or for CITAC, EURACHEM, EUROLAB members € 280,00

Registration fee after 1 March 2008 € 330,00

Dinner € 60,00

Dinner accompanying (for each person) € 60,00  
(for detailed information please see registration form)

{\*If you cancel up to 14 days before the symposium, we will refund your workshop fee less a 25 € administration fee. PLEASE NOTE: You may transfer your registration to a colleague at any time. Please notify the organisers of any such substitutions as soon as possible. If you do not cancel and do not attend the workshop, you will be responsible to pay the full symposium fee.}

## New developments in measurement uncertainty in chemical analysis

### Programme

Sampling uncertainty and  
Uncertainty for compliance  
assessment

Symposium at BAM, Berlin  
15-16 April 2008 

## Scope

### SCOPE OF THE SYMPOSIUM

Existing guidance on measurement uncertainty (MU) has concentrated mainly on the evaluation of MU arising from the processes carried out in the laboratory itself. Two new guides have recently been published, i.e. the EURACHEM/EUROLAB/CITAC/Nordtest/AMC Guide: *Measurement uncertainty arising from sampling: a guide to methods and approaches*, and the EURACHEM/CITAC Guide: *Use of uncertainty information in compliance assessment* complementing the existing guidance on MU arising from chemical analysis.

Following an introductory lecture on the topic of MU the symposium will cover the uncertainty arising from sampling and the use of uncertainty in compliance assessment as described in these two guides.

#### DAY 1

##### MEASUREMENT UNCERTAINTY FROM SAMPLING

The first day of the Symposium will cover the estimation of measurement uncertainty and its importance in general and will concentrate on the EURACHEM/EUROLAB/CITAC/Nordtest/AMC Guide describing various methods that can be used to estimate the uncertainties arising from the processes of sampling and the physical preparation of samples. Case studies illustrating how different approaches can be applied to a wide range of different analytes in foods, animal feed, soils and waters will be presented.

#### DAY 2

##### MEASUREMENT UNCERTAINTY AND COMPLIANCE

Day 2 will provide guidance on using measurement results and associated uncertainties to assess compliance with regulatory or manufacturing limits. Discussed will be i.a. problems of compliance assessment in areas, such as food, environment and water testing.

#### POSTER

Posters are invited on the design of sampling protocols and the evaluation of sampling uncertainty, also taking into account uncertainty when assessing compliance. Please use the registration form for application.

Maximum poster size is 90 cm (broad) x 120 cm (high).

## Programme

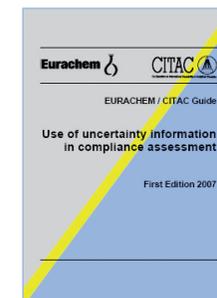
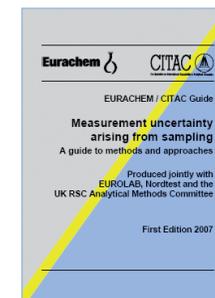
### PROGRAMME

DAY 1	15 APRIL 2008
UNCERTAINTY FROM SAMPLING	
09:30 – 09:40	Welcome and Opening
09:40 – 10:00	<i>Steve Ellison</i> : Introduction to EURACHEM and its activities
10:00 – 10:30	<i>Wolfhard Wegscheider</i> : Basics of measurement uncertainty
10:30 – 11:00	<i>Mike Ramsey</i> : Overview of uncertainty from sampling and the Ufs Guide
11:00 – 11:30	COFFEE BREAK and Posters
11:30 – 12:00	<i>Roger Wood</i> : Uncertainty from sampling – discussions within the Codex Alimentarius Commission
12:00 – 12:30	<i>Jeff Ruddle</i> : Uncertainty from sampling and accreditation of samplers
12:30 – 13:00	<i>Bertil Magnusson</i> : Uncertainty from sampling as a means to improve the quality of sampling – case study with food
13:00 – 14:00	LUNCH
CASE STUDIES	
14:00 – 14.30	<i>Mike Thompson</i> .: Uncertainty from sampling <b>Food</b> : an empirical approach (parallel Session A)
	<i>Katie Boon</i> : Uncertainty from sampling <b>Soil</b> : an empirical approach (parallel Session B)
14:30 – 15:00	<i>Pentti Minkkinen</i> : Uncertainty from sampling <b>Animal Feed</b> : a particulate modelling approach (parallel Session A)
	<i>Ulrich Kurfürst</i> : Uncertainty from sampling <b>Soil</b> : a budget modelling approach (parallel Session B)
15:00 – 15:30	TEA and Posters
15:30 – 16:00	<i>Christian Gron</i> : Uncertainty from sampling <b>Groundwater</b> : an empirical approach
16:00 – 16:30	<i>Mike Ramsey</i> : The way forward for uncertainty from sampling
16:30 – 17:00	DISCUSSION AND CLOSE
19:30	DINNER AT BEST WESTERN HOTEL

## Programme

### PROGRAMME

DAY 2	16 APRIL 2008
UNCERTAINTY FOR COMPLIANCE ASSESSMENT	
09:30 – 10:15	<i>Bertil Magnusson</i> : Decision making - what more do you need than the analytical result?
10:15 – 11:00	<i>Roger Wood</i> : How legislators interpret specifications within the food sector with respect to measurement uncertainty
11:00 – 11:30	COFFEE BREAK
11:30 - 12:15	<i>Alex Williams</i> : Principles of the EURACHEM/CITAC Guide "Use of uncertainty for compliance assessment"
12:15 – 13:00	<i>Martin Czaske</i> : Usage of the uncertainty of measurement by accredited laboratories when stating compliance
13:00 – 14:00	LUNCH
14:00 – 15:00	BREAK OUT SESSIONS - On the design and implementation of decision rules for the assessment of compliance to specifications and regulations
15:00 – 15:30	TEA BREAK
15:30 – 16:00	<i>Steve Ellison</i> : Uncertainty, asymmetry and constraints: coverage intervals for large uncertainties
16:00 – 16:30	Closing Discussion



The two guidance documents are available at [www.eurachem.org/](http://www.eurachem.org/). Hard Copy available from [www.lulu.com](http://www.lulu.com)

The renowned lecturers of this symposium will help you to acquaint yourself with these important topics.