

Who should participate?

- Laboratory chemists engaged in daily routine work involving speciation analysis
- Laboratory managers who wish to become familiar with state-of-the-art techniques in speciation analysis for industrial issues

Course objectives

Nowadays, instrumentation and sample preparation allows determining most of the species of industrial interest in routine configuration providing cost effectiveness, return on investment and objective risk assessment. The objective of this course is to provide an in-depth overview of the legislative aspect related to major industrial sectors where speciation is of concern and hand-on experience with routine instrumentation to improve industrial procedures. The information provided by speciation analysis in general leads to improved overall management. The examples selected from different industrial applications will provide the attendees with a global understanding of speciation analysis.

Participation fees

Participation fees (Euro 1500,-) include lunches, seminar drinks, course notes and a confirmation of participation.

Registration

Please use the registration card of this flyer or register in writing to the address given below, stating:

- date and title of training workshop
- your name, first name, title
- your affiliation and contact details

Your registration should have reached us November 7th 2005 at the latest. However, since the number of participants is very limited early registration is recommended. Your registration will become binding by the written confirmation of the workshop organiser. For further inquiries and registration at short notice please call: ++49 (0251) 83 366 59 or email or fax to the contact given below.

Conditions of cancellation

When written cancellation of participation is received more than 21 days prior to the workshop date, refund of the course is subject to a handling fee of Euro 75,-. For later cancellations no refund is possible. Substitutes can be nominated at any time for a registered person.

Payments

Are to be made after receipt of the invoice.

Changes

Course program may be subject to changes for technical or organisational reasons. The organisers reserve the right to shift or cancel the Training Course in case of insufficient participation.

Accommodation

A list of hotels will be enclosed to your confirmation of registration by which you can book a hotel. Information is also available on the web site for this course.



EVISA

Training course

Other EVISA Training Courses:

- 12.-13.09.2005 Arsenic Speciation in Foodstuffs and Water in Relation to Legislative Requirements
- 12.-15.09.2005 Speciation analysis applied to environmental issues
- 19.-20.10.2005 Fundamentals of Coupling Techniques in Speciation Analysis
- 21.10.2005 Organic Mass Spectrometry in Speciation Analysis
- 14.-15.11.2005 Selenium Speciation in Foods and Food Supplements
- 24.-25.11.2005 Speciation Analysis and Food Security
- 23.-24.02.2006 Accuracy and Quality Assurance in Speciation Analysis by IDMS

For a complete seminar program please visit www.speciation.net, your up-to-date information source for speciation analysis!

Speciation analysis applied to industrial issues

December, 5-8, 2005
Pau, France



European Virtual Institute for Speciation Analysis

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Internet: www.speciation.net

Co-organised by:
EVISA
LCABIE - Université de Pau - CNRS



I register

Complete this form and register by fax:

+49 251 83 - 360 13

or by mail, using a window envelope.

herewith to the Training Course
„Speciation analysis applied to
industrial issues“

December, 5-8, 2005 in
Pau, France.
 The registration fee is Euro 1500,-
(no tax applicable) I acknowledge
the conditions for participation.

Title:

First Name:

Family Name:

Company:

Department:

Street:

Area Code:

Fon:

Fax:

Date, Signature:

European Virtual Institute for Speciation Analysis (EVISA)

University of Muenster

Attn. Dr. Wolfgang Buscher

Corrensstrasse 30

D-48149 Münster, Germany

Course Program

Speciation analysis
applied to industrial issues

Course Program

1st day

December, 5, 2005 - 9.00-17.00 hrs

- Welcome and registration: 9:00-9:30 h
- Legislative aspects where speciation is of relevance
- Speciation in air: industrial hygiene, semiconductor industry
- Speciation in combusted wastes: incineration
- Gas sampling and handling
- Determination by GC-ICP/MS
- Strategies of species identification

2nd day

December, 6, 2005 - 9.00-17.00 hrs

- Speciation in petroleum products (Hg, As, other species)
- Sample preparation
- Determination by GC-ICP MS

3rd day

December, 7, 2005 - 9.00-17.00 hrs

- Speciation of Cr applied to the car and the cement industry
- Speciation of Cr in the electroplating industry
- Sample preparation and determination by HPLC-ICP MS
or AES

4th day

December, 8, 2005 - 9.00-17.00 hrs

- Speciation of As, Hg, Cr, Sn, Pb in polluted soils
- Sample preparation and determination by HPLC/ICP/MS
or AES or GC-ICP/MS
- Specific approaches for risk assessment:
sequential extraction and selective leaching procedures.

Course Venue

LCABIE, Laboratoire de Chimie Bio Inorganique et Environnement,
Helioparc, 2, Avenue du President Angot,
F-64053 Pau, France

Course instructors and their field of expertise:

Christophe Peycheran / LCABIE
laser ablation – ICP-MS, GC-ICP-MS, species specific
isotope dilution analysis

Shona McShee / LCABIE
HPLC-ICP-MS, GC-ICP-MS, speciation analysis

Fabienne Seby / LCABIE
HPLC-ICP-MS, speciation analysis, chromium species analysis

Isabelle LeHecho / LCABIE
metals mobility in soils, arsenic speciation, polluted soils

Sebastien Dreyfus / LCABIE
trace metal analysis and their fractionation
in petrochemistry samples

Nicole Proust / Thales Research and Technology

Olivier Donard / LCABIE
ultra-trace metal analysis, environment, isotopy, speciation
analysis, biogeochemistry cycles of metals, general aspects

Karin Tack / INERIS

Radmila Milacic / Jozef Stefan Institut

Contact and further information

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