



INTERNATIONAL SYMPOSIUM  
**Analytical Forum 2004**  
4-8 JULY 2004 WARSAW POLAND

**The European Virtual Institute for Speciation Analysis  
Established under Contract No. G7RT-CT-2002-05112  
within the European Commission-Funded Program "Growth"**

**Department of Analytical Chemistry, Warsaw University of Technology,  
and  
Institute of Chemical Technologies and Analytics  
Vienna University of Technology**

## **Training Course on Speciation Analysis**

July 6, 2004

*Warsaw University of Technology,  
Department of Analytical Chemistry, Warsaw, Poland*

<http://www.speciation.net>

In the frame of the *European Virtual Institute for Speciation Analysis* (EVISA), the organisation of Training Courses on Speciation Analysis is foreseen. We have therefore the pleasure of cordially inviting you herewith to the first in this series of Training Courses. The Training Course will be organised in conjunction with the *Analytical Forum 2004* in Warsaw which will give you the opportunity of participating at these two significant events at the same location.

The Training Workshop intends to give, through its oral presentations by experts in the field, an up-to-date introduction on speciation analysis, its importance and use in the environmental and industrial context. A round-table discussion with the participation of leading scientists in the field of speciation analysis is organised as the second part of the Training Course which will allow highlighting current trends and future developments in this field.

*Registration for this event is required, however, no additional registration fees apply for the regular participants of the Analytical Forum 2004.*

*First Circular and Registration Form*

## **Need and Importance of Speciation Analysis:**

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The Establishment of the European Virtual Institute for Speciation Analysis (EVISA) under the EU-sponsored program “Growth” indicates the importance of speciation analysis in chemical measurements. Many relevant problems that are met in environmental analysis and technology, in food safety and production, in health- and wellness-related products, in the study of ecosystems, or in industrial processes are in fact relying on the speciation of elements. They aim at or can effectively only be answered by the qualitative and quantitative determination of the different forms in which an element may occur with respect to its isotopic, electronic, complex or molecular form.

Often-quoted examples in this field are organomercury compounds which are far more toxic than the elemental form from which they derive; organotin compounds which have been used as active ingredient in anti-fouling paints for more than three decades before their high toxicity to non—target marine organisms has been realised and their use has now been prohibited; and organoselenium compounds which in recent studies have demonstrated to reduce the risk of cancer incidents in human.

As both the interest in speciation analysis, as well as the analytical methods have seen an enormous growth over the past few years, it seems appropriate to initiate a series of Training Courses in the frame of the European Virtual Institute for Speciation Analysis (EVISA) which will discuss the importance of speciation analysis in the environmental and industrial context, and also address more specialised issues. Those that are new to this topic will receive a most actual introduction to the field, while experts are also addressed by specialised contributions on the current status of reference materials and analytical techniques in speciation analysis as well as on the current needs from the industry for speciation analysis.

## **Format and Scope of the Training Course:**

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The EVISA Training Course on Speciation Analysis will feature introductory and advanced-level lectures by renowned experts in the field of Speciation Analysis. The presentations are aimed to provide a tutorial introduction to those that are new in the field, but also to present the current state of the art in more specialised fields, such as reference materials production, instrumental techniques and industrial requirements for chromium speciation which is, due to the new EU legislation, a topic of highest actual interest. The oral presentations by the experts will be complemented by a round-table discussion in which current focal points in Speciation Analysis as well as future trends and possibilities in this field will be highlighted and discussed in detail. For the round-table discussion, the leading researchers in Speciation Analysis have been invited to contribute. A list of the participants to the round-table discussion is given overleaf.

Delegates from industry, national research institutes, universities and governmental and non-governmental organisations are cordially invited to participate in order to promote a strong interaction between academia, industry and administrative bodies.

The official language of the Euroconference will be English.

## Training Course Program:

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The following experts have agreed to give **Oral Presentations** on topics of greatest actual interest in speciation analysis:



**Michael Sperling**

(EVISA, Corrensstrasse 30, D-48149 Muenster, Germany)

*Speciation Analysis in Europe: From the Research Laboratories into the Real World of Industrial Applications - The Virtual Institute for Speciation Analysis*



**Erwin Rosenberg**

(Institute of Chemical Technologies and Analytics, TU Vienna, Getreidemarkt 9/164 AC, A-1060 Vienna, Austria )

*A Critical Survey of Instrumental Techniques for Speciation Analysis of Low-Molecular Weight Organometallic Species: Possibilities and Limitations*



**Les Ebdon**

(University of Luton, Park Square, Luton, Bedfordshire LU1 3JU, UK)

*Preparation of Certified Reference Materials for Speciation Analysis, Prospects for Arsenic and Selenium*



**Radmila Milačič**

(Department of Environmental Sciences, Jozef Stefan Institute, Jamova 39, 1000 Ljubljana, Slovenia)

*Industry-related chromium speciation: EVISA's role in feedback from industry*

The Training Course will also host a **Round-Table Discussion** which will address the current possibilities, problems, and applications of Speciation Analysis. New areas of research as well as new demands in Speciation Analysis will be discussed by the following expert panel:

**Ryszard Lobiński (France/Poland)- chairman**

**J. Sabine Becker (Germany)**

**Joseph A. Caruso (USA)**

**Les Ebdon (UK)**

**Radmila Milačič (Slovenia)**

**Andreas Prange (Germany)**

**Erwin Rosenberg (Austria)**

**Michael Sperling (Germany)**

**Kazuo T. Suzuki (Japan)**

**Alfredo Sanz-Medel (Spain)**

## Participation fees:

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Participation to the EVISA Training Course on Speciation Analysis is at no additional fees to registered participants of the *Analytical Forum 2004*.

Registration specifically for the training course (without admission to other scientific sessions of the *Analytical Forum 2004*) is also possible at the following fees:

Regular participants .....75,- €  
Students (with certificate from supervisor) .....50,- €

*Payment can be made by bank transfer to the EVISA Training Course account (account nr. 51429 164 901, at: Bank Austria-Creditanstalt, Vienna, bank sort code: 12.000, IBAN: AT08 1200 0514 2916 4901, Swift Code: BKAUATWW, account holder: TU Vienna, mentioning "EVISA" and the code "D16414040001".), or by cash on site.*

Please return the enclosed registration form as soon as possible, preferably before **June 28, 2004**.

## Conference venue:

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The conference will be held at the Warsaw University of Technology in conjunction with the Analytical Forum 2004.

Further information on the conference site can be found at the website of the Analytical Forum <http://www.ch.pw.edu.pl/forum/2004/> and on the EVISA homepage at <http://www.speciation.net>.

## Organising Committee:

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~~~~~ R. Lobinski (Chair) ~~~~~ E. Rosenberg ~~~~~ M. Sperling ~~~~~

### Address for registration and correspondence:

**Dr. Erwin Rosenberg**  
Institute of Chemical Technologies and  
Analytics  
Vienna University of Technology  
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A-1060 Vienna, Austria  
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**Dr. Michael Sperling**  
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Analysis  
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Please note that this is the first in a series of Training Courses in Speciation Analysis to be organised in the framework of the European Virtual Institute for Speciation Analysis (EVISA). Further Training Courses will be organised at various locations and with different focal points. Please check thus the EVISA website regularly for updated information: <http://www.speciation.net>.



**evisa.**

EVISA Training Workshop on Speciation Analysis  
Warsaw, 6 July 2004

## Registration Form

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Please complete this form and return together with your remittance, preferably by fax or email to: **Dr. Erwin Rosenberg**, Institute of Chemical Technologies and Analytics, Vienna University of Technology, **FAX: +43-1-58801/15199**, **EMAIL: [E.Rosenberg@tuwien.ac.at](mailto:E.Rosenberg@tuwien.ac.at)**.

Family name: \_\_\_\_\_

First name(s) \_\_\_\_\_ Title: Prof./Dr./Mr./Ms.

Organisation / Company \_\_\_\_\_

Institute / Department \_\_\_\_\_

Street \_\_\_\_\_

City \_\_\_\_\_ Country \_\_\_\_\_ ZIP Code \_\_\_\_\_

Telephone \_\_\_\_\_ Fax \_\_\_\_\_

E-mail \_\_\_\_\_

### *Registration fee*

Regular participants .....75,- €  
Students (with certificate from supervisor) .....50,- €

I will  transfer the above stated amount to the EVISA Workshop account  
 pay the registration fee on site.

Date: \_\_\_\_\_ Signature: \_\_\_\_\_