

European Workshop on Quantitative Analysis in X-ray Fluorescence Spectrometry

October 13-14, 2005

Organized by the Department of Analytical Chemistry, Ghent University, Belgium
in collaboration with the European X-ray Spectrometry Association (EXSA)

Second Circular

Scope of the workshop

X-ray fluorescence (XRF) spectrometry is among the rapidly evolving non-destructive techniques, with the potential to provide two- or three-dimensional quantitative information on the elemental distributions within the probed sample volume with trace-level detection limits down to the (sub)micrometer scale. The fast development of laboratory and synchrotron sources, coupled with advanced X-ray focussing optics and fast ED-detectors opened new possibilities in X-ray fluorescence methods in terms of achievable spatial resolution, sensitivity and scanning strategies.

The accurate quantitation of XRF data-sets, however, remains to date a challenge. The workshop responds to this challenge, with the aim to provide the researchers practical knowledge on the different approaches of XRF quantitation, and an opportunity for information exchange between novice and experienced researchers working in the field of XRF (micro)spectrometry.

The programme of the two-day workshop will consist of invited and a limited number of contributed lectures, followed by discussions on practical problems of quantitative XRF-spectrometry introduced by the keynote speakers. Since the emphasis will be placed on the scientific aspects of quantitative elemental analysis by XRF spectrometry and on intense interactions between the participants, the number of participants will be limited to some extent.

A limited number of oral and poster contributions will be accepted on the subjects within the scope of the workshop. The poster session will take place on the first evening of the workshop, and the posters will remain on display throughout the meeting.

Scientific Topics:

- Interaction of X-rays with matter, comparison of X-ray cross-section/fundamental parameter data bases for XRF-spectrometry
- Fundamental parameter quantification methods
- Monte Carlo models for XRF-spectrometry, Reverse Monte Carlo based XRF quantification algorithms
- Data reduction techniques for 2D/3D micro-XRF data sets, quantitative XRF-microtomography and confocal XRF imaging
- Applications of quantitative XRF (micro)spectrometry

EXSA General Assembly

The meeting will host the annual general assembly of EXSA, which will take place on the 13th of October, 2005.

Organizing Committee:

Laszlo Vincze (chairman), UGent

Annemie Adriaens, UGent

Karel Strijckmans, Ugent

Carlo Vandecasteele, Leuven

Koen Janssens, Antwerp

Karolien De Wael, UGent

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Karen Leyssens, UGent

Karl Peeters, UGent

Bart Schotte, UGent

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International Scientific Advisory Committee:

Burkhard Beckhoff, Berlin, Germany
Gerald Falkenberg, Hamburg, Germany
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Bruno Vrebos, Almelo, The Netherlands
Luc Moens, Ghent, Belgium
Pierre Van Espen, Antwerp, Belgium
René Van Grieken, Antwerp, Belgium
Maria Luisa de Carvalho, Lissabon, Portugal

Conference Secretariat

Department of Analytical Chemistry
Ghent University
Krijgslaan 281, S12
9000 Gent
e-mail: Laszlo.Vincze@UGent.be



Venue

The workshop will be held in the old Dominican monastery “Het Pand” of Ghent University, located in the heart of the city on the banks of the river Leie, near the medieval port with the guildhalls as its remnants.

Registration

Participants are requested to complete and return the registration form together with their payment, preferably before September 1st, 2005.

Registration fees

- Regular participant:	before September 1st	€ 50.00
	after September 1st	€ 100.00
- Student:		€ 50.00

Confirmed invited speakers

George Havrilla (keynote speaker, USA)
Michael Mantler (keynote speaker, Austria)
Wolfgang Malzer (Germany)
Janos Osan (Hungary)
Christian Schroer (Germany)
Rolf Simon (Germany)
Bart Vekemans (Belgium)

Abstracts

Abstracts of contributions to be presented during the workshop should be sent in electronic format (Word or PDF document) as an e-mail attachment to the Conference Secretariat by 1st of August, 2005. Authors will be notified of the acceptance of their contribution by August 25th, 2005.

Important deadlines

Submission of abstracts : September 1st, 2005 (extended from August 1st)
Early registration deadline: September 1st, 2005

Recommended* hotels near the conference site (to be reserved by the participants):

- Novotel Gent Centrum
Goudenleeuwplein 5, 9000 Gent
tel. 09 224 22 30 fax 09 224 32 95
www.novotel.com

- Best Western Hotel Cour St Georges
Hoogpoort 75, 9000 Gent
tel. 09 224 24 24 fax 09 224 26 40

- Hotel Gravensteen
Jan Breydelstraat 35, 9000 Gent
tel. 09 225 11 50 fax 09 225 18 50
www.gravensteen.be

*Please, indicate on your reservation that you are a visitor of the Ghent University for favorable conditions.

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Ghent University, Belgium – 13-14 October 2005

Registration form

Please, complete and return this form to the conference secretariat indicated below, preferably before September 1st, 2005 (please keep a photocopy for your records).

Prof./Dr./Mr./Mrs. Surname:

First name(s):

Contact address:

City, Country, ZIP Code:

Telephone Fax:

E-mail:

Abstract title:

Preferred form of presentation (oral/poster):

Workshop registration fee

Regular participant, registered before September 1st, 2005: € 50.00

Regular participant, registered after September 1st, 2005: € 100.00

Students (i.d. required): € 50.00

TOTAL TO BE PAID: € . . .

The registration fee should be paid in Euro (€) only and without charges to the beneficiary. The preferred method of payment is bank transfer to the bank account of Ghent University: account no. 390-0965800-26, ING Belgium (Business Centre Gent, Kouter 173, 9000 Gent, Belgium).

IBAN-code: BE59-3900-9658-0026, SWIFT-code: BBRU BE BB 900.

Please make sure that the transfer carries the indication "WBS G/00313/01".

The registration fee can also be paid in Euro (€) by means of cash payment during the first day of the workshop.

Registration forms should be returned by e-mail or fax to the address below:

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