

AUTUMN SCHOOL AND WORKSHOP QUANTITATIVE METHODS IN X-RAY SPECTROMETRY

EXSA, the European X-ray Spectrometry Association, is a non-profit organisation, founded and supported by X-ray spectroscopists from science and from industry. With this autumn school and workshop on quantitative methods in X-ray spectrometry EXSA pursues its main objective to promote innovation and cooperation among spectroscopists and analysts within Europe.

A two and a half day school on Quantitative methods in X-ray Spectrometry will be held in **Berlin** on **October 9 - 11, 2017** followed by a two day workshop on the same subject. Dispensing high quality training on quantification in X-ray spectrometry and providing an interdisciplinary forum to young scientists during the workshop will foster the interactions within the community and will allow discussions between academic and industrial scientists on the current challenges of XRF quantification.



Recognized Experts Will Give Lectures at the Autumn School

- Peter Brouwer, PANalytical, The Netherlands
- Joanna Hoszowska, University Fribourg, Switzerland
- Michael Mantler, Vienna, Austria
- Armando Solé, ESRF, France
- László Vincze, University Ghent, Belgium
- Timo Wolff, Bruker Nano GmbH, Germany

The Autumn School Addresses

With the progress in X-ray instrumentation, methodologies and computational power, X-ray spectroscopy evolved to a versatile tool for analysis. The basic question of "which elements are present in my sample?" can be answered as well as "where are they", "how much is in" or even "in which chemical form". This school addresses the "how much" issue. The WHY - WHAT - HOW of the following topics will be covered:

- Fundamentals of X-ray matter interaction
- Quantification in bulk analysis (Sherman/Fujino)
- Quantification of stratified materials
- Spectrum evaluation
- Monte Carlo methods
- Modeling of X-ray tubes and detectors

The school addresses students in their latest stage of master studies, PhD students and PostDocs with understanding of X-Ray Spectrometry. The autumn school is free of charge but the attendees are expected to finance their own travel and accommodation expenses.

Venue and Registration

The autumn school will take place at the Physikalisch-Technische Bundesanstalt Berlin and at Technische Universität Berlin on October 9 - 11, 2017. The organizers will offer tours through their laboratories. The participants of the autumn school are encouraged also to register to the workshop and to discuss their work during the poster session with leading experts in the field.

More information can be found on the EXSA website, where you also find the application form.

Join us for this must-attend event to learn about the state of the art procedures and the latest research developments and trends in XRF quantification!

www.exsa.hu/quant2017



AUTUMN SCHOOL
9th-11th October 2017

VENUE
Berlin, Germany

APPLY AT
www.exsa.hu/quant2017

CONTACT
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IMPORTANT DEADLINES

APPLICATION
30th June 2017
Decision
31th July 2017

POSTER ABSTRACT
15th August 2017

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