

Session Program

16-21 Sept 2012



NRC-8, EuCheMS International Conference on Nuclear and Radiochemistry

Session 10 - Radioanalytical Chemistry and Nuclear Analytical Techniques

Como, Italy

Grand Hotel di Como Via per Cernobbio 41A 22100 Como, Italy

Thursday 20 September

08:00

Session 10 - Radioanalytical Chemistry and Nuclear Analytical Techniques

Session | **Location:** Como, Italy, Grand Hotel di Como Via per Cernobbio 41A 22100 Como, Italy | **Conveners:** Prof. Zoltan Homonnay, Prof. Jan Kucera

08:00–08:20

OPENING LECTURE - Prompt Gamma Activation Analysis using High-Flux Cold Neutron Beam

Speaker

Dr Zsolt Revay

08:20–08:40

INVITED LECTURE - Neutron activation analysis: a consolidated analytical tool in the sugarcane agroindustry

Speaker

Prof. Elisabete De Nadai Fernandes

08:40–09:00

INVITED LECTURE - Neutron Activation Analysis and Reference Materials - Development and Perfection

Speaker

Dr Rolf Zeisler

09:00–09:20

INVITED LECTURE - Error, Uncertainty, and Metrology in Nuclear Analytical Methods

Speaker

Dr Richard Lindstrom

09:20–09:40

INVITED LECTURE - Studies of Trace Element Species in Macromolecules and Protein Nanoclusters by Nuclear and X-Ray Techniques

Speaker

Prof. A. CHATT

09:40–09:55

ORAL PRESENTATION - Analysis of Radioactive Waste Waters and Sludges in the Hungarian VVER NPP Paks

Speaker

Prof. György Pátzay

09:55–10:10

ORAL PRESENTATION - Nuclear Forensics: age determination by the $^{231}\text{Pa}/^{235}\text{U}$ ratio

Speaker

Dr Mickael Mendes

10:10-10:25

ORAL PRESENTATION - Prompt Gamma Activation Analysis close to Detection Limits

Speaker

Dr Petra Kudejova

10:25-10:40

ORAL PRESENTATION - Enhancing the dynamic range for high boron concentrations in low neutron capture cross-section matrices with Prompt Gamma Activation Analysis

Speaker

Mr Stefan Soellradl

10:40-10:55

ORAL PRESENTATION - Comparison of Quantitative Neutron Capture Radiography, Inductively Coupled Plasma Mass Spectrometry, and Prompt Gamma Activation Analysis for Boron Determination in Biological Samples

Speaker

Dr Christian Schütz

10:55-11:10

ORAL PRESENTATION - On the development of a rapid method for the concentration and separation of radiostrontium from water samples based on a new Sr selective resin

Speaker

Dr Steffen Happel

11:10-11:25

ORAL PRESENTATION - Separation of Uranium and Polonium in drinking water by calix[6]arene columns

Speaker

Dr Céline Bouvier-Capely

11:30