

XRF: Blanket Cover!

12th May 2010, British Geological Survey (BGS), Keyworth, Nottingham. (A joint meeting of the BCA IG and RSC Atomic Spectroscopy Group)

09:30 Registration & Coffee

10:00 From water-mills to wind-turbines

Margaret West, West X-Ray Solutions

10:30 Analysis of airborne particulate matter on filter samples by XRF techniques - where we have come from and where we are going

Owen Butler, Health and Safety Laboratory

11:00 X-Ray Spectroscopy of Amorphous Bioceramics - A User Friendly Technique for Analysing Challenging Materials

Colin Slater, University of Birmingham

11:30 Urban Mining and Bench-top XRF, A Preliminary Investigation

Richard Morris, Morris Analytical X-ray

12:00 Lunch & Exhibition

13:30 Presentation of Industrial Group Award to David Taylor
Followed by his talk - My 40 years in X-ray Analysis

14:00 Scintillation Counter Linearity - Essential for Blanket Coverage of Elements Heavier than Copper

Steve Davies, PANalytical

14:30 Rapid Scanning for Elemental Distribution Using a High Intensity Capillary X-Ray Source

Mike Dobby, Bruker

15:00 Tea & Exhibition

15:30 Is the Euro really as good as they claim?

A semi-quantitative analysis of 2-Euro coins from different countries

Bruno Vrebos, PANalytical

16:00 Question & Answer Session.

Introduced by an overview of the use of fundamental parameters (FP) calibrations in XRF

Ros Schwarz, University of Sheffield.

Your chance to discuss one of the more controversial areas of practical XRF, ask a question there wasn't time for earlier in the day or come prepared to ask a specific question to help you in your day to day work. There will be a wealth of expertise in the audience just waiting to be tapped!

17:00 Close

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XRD Between the Sheets!

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09:30 Registration and Coffee

10:00 Illite-Smectite in Basin Analysis (K-Ar dating and estimation of the maximum paleotemperatures)

Jan Srodon; Institute of Geological Sciences PAN, Karlow, Poland

10:45 A Study of some Salt Deposits on Masonry

David Beveridge,

11:15 Experimental and numerical investigation of interlayer water organization in expandable clays

Eric Ferrage; Laboratoire HydrASA, University of Poitiers

11:45 Anion Exchange Materials for use in Radiochemical Applications

Andy Butterworth; Dept. of Chemistry, Loughborough University

12:00 The Geology of Beer (includes tasting!)

Jenny Huggett; Petroclays

12:45 Lunch & Exhibition

14:00 Supramolecular Gels: a New Medium for Crystal Growth

Jonathan Foster, Durham University

14:15 The Analysis of Nano-clay Dispersions and Composites Using Small Angle X-ray Scattering and Polarised Light Microscopy

Richard Morris, Morris Analytical X-ray.

14:45 The use of in situ time-resolved SAXS/WAXS to characterise nanoparticle nucleation, growth and crystallization process in model mineral systems.

Sam Shaw, University of Leeds.

15:15 Tea & Exhibition

15:45 Krogmann's Salt at Extreme Conditions

Nicholas Funnell, Edinburgh University

3D spectacles kindly supplied by Crystalmaker

16:00 Development of XRD kit to fly to Mars. (ESA, Exomars mission 2015)

Ian Hutchinson, University of Leicester

16:40 Open Forum

Ask questions ... help answer other delegate's queries

17:00 Close

Note: Some sponsors will only Exhibit on one of the two days.