

## XRF: MINERALS and much more!

A joint meeting of the BCA IG and RSC Atomic Spectroscopy Group.  
14<sup>th</sup> May 2008, British Geological Survey (BGS), Keyworth, Nottingham.

09:30 Registration & Coffee (sponsored by Ametek Spectro)

10:00 Nick Marsh, University of Leicester.  
The preparation and presentation of mineral samples for XRF analysis.

10:30 John Mansell, Omya UK Ltd.  
Limestone Parts Per Million to Percent using ED-XRF.

11:00 Margaret West, West X-ray Solutions Ltd.  
A new BSI standard for the analysis of glass making sands.

11:30 John Boyle, University of Liverpool.  
Geochemical analysis of lake sediment cores by XRF.

12:00 Lunch

13:30 Mark N Ingham, L D Grimsley S J Carter & N D Eatherington,  
British Geological Survey.  
When Preparation is not an option...

14:00 Prof. Graham Martin, Victoria and Albert Museum.  
Heritage and XRF - unlikely companions?

14:30 Owen Butler, Health and Safety Laboratory (HSL), Buxton, and Elke  
Adriaenssens, Vlaamse Milieumaatschappij (VMM), Antwerp, Belgium.  
Analysis of heavy metals in suspended airborne particles collected on  
filter papers by XRF techniques.

15:00 Tea (sponsored by Bruker AXS)

15:30 Richard Meeres, Bureau of Analysed Samples Ltd.  
A History of the Development of Certified Reference Materials.

16:00 Alison Burke, Huntsman Pigments.  
Routine Analysis of TiO<sub>2</sub> by WD XRF

16:20 Andy Scothern, Saint-Gobain Gypsum.  
XRF analysis in the Gypsum Industry.

16:40 Question & Answers session.

17:00 Close

Fees: Both days £60, 1 day £40, STUDENTS FREE (½ price concessions)

SPONSORS: will have a commercial poster board and table top display.

## XRD and MINERALS.

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09:30 Registration & Coffee (sponsored by PANalytical)

10:00 Caroline Kirk, University of Loughborough.  
Structural studies and high temperature properties of Bismuth  
Vanadate Sillenite

10:30 Stephen Cairns, University of Glasgow.  
Synthesis and structural studies of the Ettringite group of minerals

11:00 Eric Ferrage, Universite de Poitiers.  
Investigation of Smectite structure heterogeneities: an XRD profile  
modelling approach

11:30 Helen Maynard, University of Edinburgh.  
High pressure crystallography of Methane

12:00 Jenny Huggett, Petroclays.  
The Geology of Wine ...including a wine tasting!

12:45 Lunch

14:00 Stephen Hillier, Macaulay Institute.  
A soil mineralogical database for Scotland

14:30 Andrew Hardy, University of Exeter.  
Heavy-metal minerals in old and new cosmeceuticals? An unusual  
application of XRPD

14:45 David Beveridge.  
Chasing the blue mixed-valence Iron Sulphate

15:00 Tea (sponsored by Rigaku)

15:30 Alison Pawley, University of Manchester.  
Synchrotron studies of the structure of Hydrrous Phyllosilicates at high  
pressure and temperature

16:00 Peter R. Stacey, Health and Safety Laboratory.  
Accuracy in analysis - How much crystalline quartz do you think you  
have?

16:30 Melanie Sapsford, Cranfield University.  
Analysis of non-marine evaporitic deposits Wadi Natrun, Egypt

17:00 Close

See: <http://bca.cryst.bbk.ac.uk/bca/ig/meet08MIN.htm> for more information.

