

## X-RAY FLUORESCENCE (XRF) PAGE

### **NEXT XRF MEETING:**

**University of Kent – Canterbury.  
17 - 19 April 2007 BCA Spring Meeting.**

Three days of XRF sessions!

Please try to join us for this meeting and make sure all your XRF friends and colleagues know about this meeting.

This meeting at the University of Canterbury has a full three day parallel stream of XRF content. Sessions include: a workshop, semi-quantitative, calibration standards, thin films, applications including cultural heritage and environmental issues. There will be an Exhibitors forum allowing suppliers to make you aware of their latest offerings, followed by an evening buffet with the opportunity to talk to vendors at their exhibition stands. The full XRF programme is given on page 4 – 5 of this Newsletter.

**Meeting Registration** before 12<sup>th</sup> March is £150 and Standard B&B is £30 per night.

**Call for posters:** If you feel you have something to offer the meeting why not present it in a **poster?** There is a prize of £50 and a bottle of champagne for best poster. Just check out the web for more details and submit and abstract by 16<sup>th</sup> February.

**WEB Newsletter:** We are always on the look out for articles from the web and Newsletter, so if you have something to offer contact the editor.

**XRF planning group:** Since our last Newsletter **Ros Schwarz** has taken up a position with Oxford Instruments. The contact details for the XRF group are on an XRF web page – click contacts at the top of the any XRF page.

**Suppliers List:** Please help us build our suppliers list by submitting details of suppliers you have found to be useful in your XRF work. We hope that this will build into a very useful resource to help users source equipment, services and consumables. See the XRF web pages for details.

**Review of XRF published work:** Alternate issues of the Royal Society of Chemistry's Journal of Analytical Atomic Spectrometry (JAAS) feature Atomic Spectrometry Updates. These Updates are annual reviews written by groups of acknowledged experts in their fields. They aim to provide comprehensive, critical reviews of the major areas of analytical atomic spectroscopy. The November issue of JAAS contains the annual review of XRF covering 2005-6. It covers developments, assessed from 424 published papers, in:

- instrumentation and detectors
- matrix correction and spectrum analysis
- X-ray optics and micro-fluorescence
- synchrotron-source XRF
- total-reflection XRF
- portable XRF
- on-line XRF

The review also surveys applications including:

- sample preparation
- geological
- environmental
- archaeological
- forensic
- biological
- clinical
- thin films
- chemical state and speciation

As in previous years, large numbers of papers have been published in the fields of environmental and general industrial applications. This year, there have also been an increasing number of papers dealing with archaeology and cultural heritage. Papers in the life sciences continue to be popular, and now include rapid-throughput screening for combinatorial methods. Nanotechnology is another burgeoning field; XRF microanalytical equipment is now available, making it possible to profile and map samples - tests hitherto done by other techniques.

For further information contact Margaret West.

### **Dates for your Diary:**

**17-19<sup>th</sup> April 2007** BCA Spring Meeting with a full 3 day XRF programme & Exhibition.

**14<sup>th</sup> May 2008** Joint BCA/RSC XRF meeting.