

British Crystallographic Society – Spring Meeting

XRF and Cultural Heritage Talk

**Speaker:** Dr Clair Collins  
**Company:** Oxford Instruments Analytical  
**Presentation Title:** Analysis of Archaeological Artefacts by Portable XRF

**Abstract Summary:**

With X-ray tubes taking over from radioactive isotope systems, the possible applications for portable XRF are much wider than ever before. With no travel restrictions on such systems, they can be hand-carried to places where conventional benchtop machines would never be able to go. With the current emphasis on in-situ analysis of historically important artefacts, portable XRF is rapidly becoming of great interest to the archaeological community. This talk will look in more detail at some of the applications the Oxford Instruments X-Met 3000 has already been used for, and will investigate other potential fields of interest.