



# Analytical Methods Training for Trace Element and Isotope Geochemistry

17<sup>th</sup>-21<sup>st</sup> November 2008

The Earth Science Department at Royal Holloway University of London is holding a training course for trace element and isotopic analytical methods. The course involves lectures and hands-on experience, including data handling practical classes and the use of laboratory equipment. The course is aimed primarily at early stage PhD students and will run for five days.

Where: Department of Earth Sciences, Royal Holloway University of London  
When: 10 am – 5 pm daily, 17-21<sup>st</sup> November 2008  
Cost: £65 for 1 day, £280 for the whole week course

Student participants may apply for a bursary to subsidise the cost of travel (up to £50) from the Geochemistry group of the Mineralogical Society. NERC students may be able to use RTSG funds to cover the cost of the course.

## Programme

Monday 17 <sup>th</sup>	Solution analysis by Quadrupole ICP-MS ( <i>Emma Tomlinson</i> ); Principles of XRF for rock analysis ( <i>Matthew Thirlwall</i> )
Tuesday 18 <sup>th</sup>	Introduction to radiogenic isotope geochemistry and principles of TIMS analysis ( <i>Matthew Thirlwall</i> )
Wednesday 19 <sup>th</sup>	Principles of Multicollector TIMS and Multi-Collector (MC)- ICP-MS ( <i>Matthew Thirlwall</i> )
Thursday 20 <sup>th</sup>	In-situ elemental and isotopic analysis by laser ablation (MC)- ICP-MS ( <i>Wolfgang Müller</i> )
Friday 21 <sup>st</sup>	Oxygen isotope analysis by laser fluorination ( <i>Dave Lowry</i> ); Stable isotope analysis of carbonates ( <i>Dave Lowry</i> )



Department of  
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Sciences**

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