

Forthcoming symposium

Geochemical speciation & bioavailability of trace elements: progress, challenges & future Trends

Date: 7 – 8th September 2010

Venue: Lancaster University, UK.

Sponsors: Environmental Mineralogy Group and the RSC Environmental Chemistry Group

Elemental speciation analysis is increasingly recognised as key to understanding the behaviour of pollutants in aquatic and terrestrial environments. Models that are able to predict elemental reactivity, bioavailability and transport are needed to better assess short and long-term risks from trace elements in the environment. As yet, geochemical models are limited in the extent to which they incorporate the formation kinetics and transport properties of metal and radionuclide complexes, and colloidal associations, in a fully mechanistic way.

This two-day conference aims to bring together geochemists, aquatic chemists, mineralogists, biologists, toxicologists and engineers to discuss recent progress in this field and identify avenues for future research and collaboration. Thus, it gives us great pleasure to invite scientists, technologists, students, legislators, government officials, and all those who are interested in studying and predicting the speciation and bioavailability of key trace elements in the environment to participate in this conference.

The conference comprises plenary poster sessions and nine keynote lectures by experts in the field:

1. Dr. **Jon Petter** Gustafsson (Royal Institute of Technology, Sweden)
2. Prof. **Erik Smolders** (Leuven University, Belgium)
3. Dr. **Dmitrii Kulik** (Paul Scherrer Institute, Switzerland)
4. Prof. **Willem Van Riemsdijk** (Wageningen University, Netherlands)
5. Prof. **Herman Van Leeuwen** (Wageningen University)
6. Dr. **Scott Young** (Nottingham University)
7. Prof. **Stan Van den Berg** (Liverpool University)
8. Dr. **Hao Zhang** (Lancaster University)
9. Dr. **Steve Lofts** (Centre of Ecology and Hydrology, Lancaster).

Registration & payment

Participation is *limited to 70 delegates* due to space restrictions thus, pre-registration is encouraged. Registration will be £90 per person (if paid by 30th April 2010, £110 thereafter) with a student rate of £55 per person (before 30th April 2010, £75 thereafter). Registration includes refreshments, lunches, conference dinner, car parking, book of abstracts etc. B&B accommodation will be at the University campus, with en suite rooms at £46 per night. *Deadline for abstract submission for poster presentations is 30th July 2010.* Abstracts should be emailed to l.ahmed@lancaster.ac.uk.

Registration and further information may be found at

<http://minersoc-emg.org/events/GeoSpec2010.html>

The Environmental Mineralogy Group (EMG) is a Special Interest Group of the Mineralogical Society of Great Britain and Ireland.

Contact details

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