



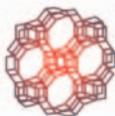
# Mineralogical Society of Great Britain and Ireland

[www.minersoc.org](http://www.minersoc.org)

## LONDON NEWS

### *Minerals for Life: Overcoming Resource Constraints* June 17–19, Edinburgh

OVERCOMING RESOURCE CONSTRAINTS  
**Minerals for Life**



The programme for this meeting is now set and the list of invited speakers complete.

- Plenary Lecture 1 – Dr Jon Phipps (Imerys Minerals Ltd): ‘Engineering minerals for performance applications – an industrial perspective’
- Plenary Lecture 2 – Dr Karen Hudson-Edwards (Birkbeck U London), Hallimond Lecturer
- Plenary Lecture 3 – Corina Hebestreit (Euromines): ‘The European Innovation Partnership on Raw Materials’

#### Theme 1: Strategically Important Mineral Resources

- (1) Critical metals and other commodities (including REE, phosphates, fluorite, Co)  
Adrian Boyce (NERC isotope Facility, East Kilbride)
- (2) Security of supply of base and precious metals  
David Leal-Ayala (U Cambridge)
- (3) Ethical sourcing  
Gavin Hilson (U Surrey): ‘Ethical Mineral Production: Fairer Trade for Whom?’
- (4) Minerals processing/recycling  
Pertti Lamberg (Lulea U Technology): ‘Geometallurgy – a way towards better resource efficiency in the mining industry’

#### Theme 2: Functional Materials and Minerals

- (5) Engineering mineral functionality  
Christian Detellier (U Ottawa): ‘Engineering functionality on clay surfaces’  
Hendrik Heinz (U Akron): ‘Silicates and phosphates in nanobiotechnology: From nanoscale interfaces to applications’
- (6) Focus on function - Emerging directions in structural materials  
Alain Jacquet (Lafarge)
- (7) Focus on function - Hi-tech non-structural and biomaterials  
Jon Lloyd (U Manchester): ‘Going underground; using subsurface microbes to engineer functional bionanomaterials’  
Graham Hutchings (U Cardiff): ‘Zeolite catalysts for selective methane oxidation’

#### Theme 3: Minerals for Environmental Protection

- (8) Radioactive waste management - Engineered barrier systems  
Patrick Sellin (SKB, Sweden) ‘Engineered barrier systems for radioactive waste management’
- (9) Radioactive waste management - Natural analogue systems  
Ian McKinley (Consultant, Switzerland)
- (10) Carbon capture and storage  
Mercedes Maroto-Valer (Herriott Watt U)

#### Theme 4: Biological Processes in Mineral Science and Technology

- (11) Biomineralization and bioremediation  
Barrie Johnson (Bangor U)
- (12) Biomineralization: Fundamental and applied research (e.g. climate proxy)  
Andreas Kappler (U Tübingen)

#### General

- (13) Use of large-scale facilities in mineral sciences and industry  
Ian Madsen (CSIRO, Australia)
- (14) What does industry need from academia? What can academics provide?  
D. Manning, moderator

The last session is an opportunity for the two communities to meet and also an opportunity for the moderator to sum up events of the conference for attending members of the press.

The full programme, online registration and other information are available at [www.minerals-for-life.org](http://www.minerals-for-life.org).



### MINERALOGICAL MAGAZINE OPEN ACCESS CONTENT: “RADIOACTIVE WASTE MANAGEMENT 2012”

Have you downloaded recent open access (OA) content from *Mineralogical Magazine*? A free issue consisting of 650 pages was published early in 2013.

A principal objective of the “Radioactive Waste Management” conference was to showcase and publish research relevant to radioactive waste storage and disposal. The event was supported by the Nuclear Decommissioning Authority (NDA) and the Energy Generation and Supply Knowledge Transfer Network for the Nuclear Sector, and was kindly sponsored by AMEC and the National Nuclear Laboratory. The conference brought together scientists, engineers and other interested specialists to discuss the chemical, biological, geological, hydrological, materials, engineering and other scientific and technological challenges associated with the long-term management of radioactive waste in the UK.

The sessions themes were as follows: (1) introduction from the NDA; (2) waste forms, criticality and containment materials; (3) engineered barriers (near-field); (4) geosphere (far-field); (5) biosphere and microbial sciences; (6) gas; (7) radionuclide transport; (8) international; and (9) general issues.

The papers presented in this issue of *Mineralogical Magazine* were subjected to a detailed and independent peer-review process. A major objective of the conference was to make the latest independent research on the geological disposal of radioactive waste, principally related to the current UK scenario, publicly available.

Go to <http://gsminmag.highwire.org/content/76/8.toc> or [www.ingentaconnect.com/content/minsoc/mag/2012/00000076/00000008](http://www.ingentaconnect.com/content/minsoc/mag/2012/00000076/00000008) to view/download the papers.

**Kevin Murphy**, Executive Director  
Mineralogical Society of Great-Britain and Ireland