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## Mineralogical Society of Great Britain and Ireland

### FRONTIERS IN MINERAL SCIENCES, CAMBRIDGE, JUNE 2007 CALL FOR PRESENTATIONS

Since our announcements in the June and December 2005 issues of *Elements* about this important joint meeting of the Mineralogical Society (MinSoc), the Mineralogical Society of America (MSA) and the Mineralogical Association of Canada (MAC), we are pleased to welcome the Société Française de Minéralogie et de Cristallographie (SFMC) to the organising committee. The meeting, to be held at Fitzwilliam College, Cambridge, on 26–28 June 2007, will include six plenary lectures and over twenty symposia. The scientific focus of the meeting will be on recent advances in research into the properties and behaviour of minerals, together with their geological contexts in rocks and biosystems, under the overall theme of 'Frontiers in Mineral Sciences'. Plenary lecturers will include Dana lecturer Frank Spear (Rensselaer Polytechnic Institute, USA), George Brown lecturer Gerhard Lagaly (Kiel University) and Pascal Richet (IPGP, Paris).

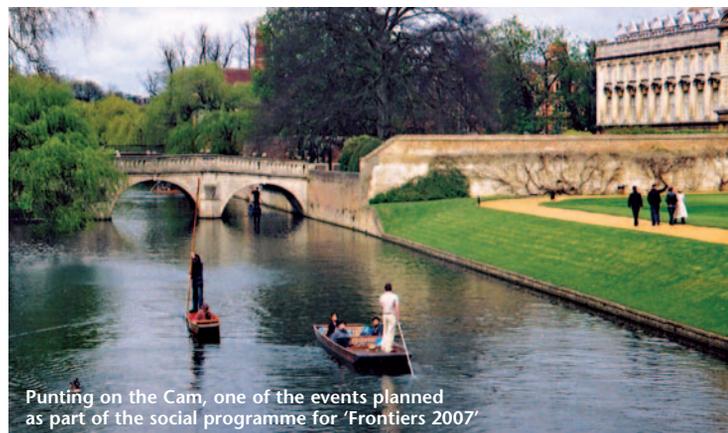


MICHAEL CARPENTER

The organising committee met in Cambridge earlier in the year to finalise the programme of symposia, and a list of these with convenors is given below. The committee members feel that these symposia cover the major areas of topical interest in the mineral sciences and urge readers to make contact with their most appropriate symposium convenor as soon as possible if they would like to make a presentation at the conference. At

this stage it would be helpful to have a rough title for your presentation and whether it will be an oral or poster one. The deadline for final registration and abstract submission is 28 February 2007. The overall convenor of the conference is Prof. Michael Carpenter (Cambridge), who will be happy to put you in touch with the most appropriate symposium convenor if you are unsure where your presentation might fit. His e-mail address is [mc43@esc.cam.ac.uk](mailto:mc43@esc.cam.ac.uk). The second circular for the conference, with full registration and accommodation details, can be found on the conference website at [www.minersoc.org/Frontiers2007.htm](http://www.minersoc.org/Frontiers2007.htm)

Adrian Lloyd-Lawrence



Punting on the Cam, one of the events planned as part of the social programme for 'Frontiers 2007'

### LIST OF SYMPOSIA IN 'FRONTIERS IN MINERAL SCIENCES 2007'

- Interactions between minerals and organic molecules**  
Convenor: Bob Hazen (Geophysical Lab.; [r.hazen@gl.ciw.edu](mailto:r.hazen@gl.ciw.edu)); co-convenors: David Fowle (U. of Kansas; [fowle@ku.edu](mailto:fowle@ku.edu)), François Guyot (U. Pierre et Marie Curie; [guyot@lmcp.jussieu.fr](mailto:guyot@lmcp.jussieu.fr))
- Minerals in biological systems**  
Convenor: David Manning (U. of Newcastle; [david.manning@ncl.ac.uk](mailto:david.manning@ncl.ac.uk))
- Internal textures, and trace element and isotope geochemistry in accessory minerals: Advances in imaging and in situ microanalysis**  
Convenor: John Hanchar (Memorial U. of Newfoundland; [johnh@esd.mun.ca](mailto:johnh@esd.mun.ca)); co-convenor: Jean-Marc Montel (U. de Toulouse; [montel@lmtg.obs-mip.fr](mailto:montel@lmtg.obs-mip.fr))
- Feldspars 2007**  
Convenor: Ian Parsons (U. of Edinburgh; [ian.parsons@ed.ac.uk](mailto:ian.parsons@ed.ac.uk)); co-convenors: Ross Angel (Virginia Tech; [rangel@vt.edu](mailto:rangel@vt.edu)), Bob Martin (McGill U.; [bobm@eps.mcgill.ca](mailto:bobm@eps.mcgill.ca))
- Minerals in contaminated environments: Characterization, stability, impact**  
Convenor: Karen Hudson-Edwards (Birkbeck, U. of London; [k.hudson-edwards@bbk.ac.uk](mailto:k.hudson-edwards@bbk.ac.uk)); co-convenors: Heather Jamieson (Queen's U.; [jamieson@geol.queensu.ca](mailto:jamieson@geol.queensu.ca)), Kurt Kyser (Queen's U.; [kyser@geol.queensu.ca](mailto:kyser@geol.queensu.ca)), Kaye Savage (Vanderbilt U.; [kaye.s.savage@vanderbilt.edu](mailto:kaye.s.savage@vanderbilt.edu)), Kevin Taylor (Manchester Metropolitan U.; [k.g.taylor@mmu.ac.uk](mailto:k.g.taylor@mmu.ac.uk))
- Adsorption processes on clay mineral surfaces**  
Convenor: Dave Wray (U. of Greenwich; [d.wray@greenwich.ac.uk](mailto:d.wray@greenwich.ac.uk)); co-convenor: Chris Breen (U. of Sheffield; [c.breen@shu.ac.uk](mailto:c.breen@shu.ac.uk))
- Applications of synchrotron and neutron radiation in mineralogy**  
Convenor: Annette Kleppe (U. of Oxford; [annettek@earth.ox.ac.uk](mailto:annettek@earth.ox.ac.uk)); co-convenors: Jean-Louis Hazemann (CNRS Grenoble; [jean.louis.hazemann@grenoble.cnrs.fr](mailto:jean.louis.hazemann@grenoble.cnrs.fr)), Alan Anderson (St. Francis Xavier U.; [aanderso@stfx.ca](mailto:aanderso@stfx.ca))
- Simulations of Earth and planetary materials: Advances and limitations**  
Convenor: Emilio Artacho (U. of Cambridge; [emilio@esc.cam.ac.uk](mailto:emilio@esc.cam.ac.uk)); co-convenors: Bjoern Winkler (Frankfurt U.; [B.Winkler@kristall.uni-frankfurt.de](mailto:B.Winkler@kristall.uni-frankfurt.de)), Etienne Balan (U. Pierre et Marie Curie; [etienne.balan@lmcp.jussieu.fr](mailto:etienne.balan@lmcp.jussieu.fr))
- Mineral magnetism from the nanometre to the planetary scale**  
Convenor: Richard Harrison (U. of Cambridge; [rjh40@esc.cam.ac.uk](mailto:rjh40@esc.cam.ac.uk)); co-convenor: Josh Feinberg (U. of Cambridge; [jfei05@esc.cam.ac.uk](mailto:jfei05@esc.cam.ac.uk))
- Mineral reactions from the transition zone to the core – Implications for the structure, dynamics and chemical evolution of the Earth's mantle and core-mantle boundary.**  
Convenor: Ben Harte (U. of Edinburgh; [ben.harte@glg.ed.ac.uk](mailto:ben.harte@glg.ed.ac.uk)); co-convenors: Annette Kleppe (U. of Oxford; [annettek@earth.ox.ac.uk](mailto:annettek@earth.ox.ac.uk)), Yingwei Fei (Geophysical Lab.; [fei@gl.ciw.edu](mailto:fei@gl.ciw.edu))
- Elasticity of minerals: From trace element geochemistry to geophysics**  
Convenor: Simon Redfern (U. of Cambridge; [satr@esc.cam.ac.uk](mailto:satr@esc.cam.ac.uk)); co-convenor: Steve Jacobsen (Geophysical Lab.; [s.jacobsen@gl.ciw.edu](mailto:s.jacobsen@gl.ciw.edu))
- Mineralogical models for nuclear waste disposal**  
Convenor: Ian Farnan (U. of Cambridge; [ifarnan@esc.cam.ac.uk](mailto:ifarnan@esc.cam.ac.uk)); co-convenors: Rod Ewing (U. of Michigan; [rodewing@umich.edu](mailto:rodewing@umich.edu)), Scott Kroeker (U. of Manitoba; [scott\\_kroeker@umanitoba.ca](mailto:scott_kroeker@umanitoba.ca))
- Amorphous materials: Properties, structure and durability**  
Convenor: Daniel Neuville (U. Pierre et Marie Curie; [neuville@ipgp.jussieu.fr](mailto:neuville@ipgp.jussieu.fr)); co-convenors: Grant Henderson (U. of Toronto; [henders@geology.utoronto.ca](mailto:henders@geology.utoronto.ca)), Donald Dingwell (U. of Munich; [dingwell@uni-muenchen.de](mailto:dingwell@uni-muenchen.de))
- Developments in textural analysis of rocks**  
Convenor: Marian Holness (U. of Cambridge; [marian@esc.cam.ac.uk](mailto:marian@esc.cam.ac.uk)); co-convenor: Ed Sawyer (UQAC; [ewsawyer@uqac.ca](mailto:ewsawyer@uqac.ca))
- The development of the North Atlantic Igneous Province with special reference to the platinum-group element concentrations in the magmas**  
Convenor: Tony Naldrett (U. of Toronto; [ajaldrett@yahoo.com](mailto:ajaldrett@yahoo.com))
- Magma chamber processes and models of magma extraction**  
Convenor: Jon Davidson (Durham U.; [j.p.davidson@durham.ac.uk](mailto:j.p.davidson@durham.ac.uk)); co-convenor: Teal Riley (BAS; [t.riley@bas.ac.uk](mailto:t.riley@bas.ac.uk))
- Magmatic fluids and volcanic degassing: From ores to aerosols**  
Convenor: David Pyle (U. of Cambridge; [dmp11@cam.ac.uk](mailto:dmp11@cam.ac.uk)); co-convenors: Anthony Williams-Jones (McGill U.; [willyj@eps.mcgill.ca](mailto:willyj@eps.mcgill.ca)), Florian Schwandner (Arizona State U.; [florimax@schwandner-web.org](mailto:florimax@schwandner-web.org))
- Metamorphic phase equilibria, chronology, and tectonics: A tribute to Frank S. Spear**  
Convenor: Matt Kohn (U. of South Carolina; [mjk@geol.sc.edu](mailto:mjk@geol.sc.edu)); co-convenors: Doug Rumble (Geophysical Lab.; [rumble@gl.ciw.edu](mailto:rumble@gl.ciw.edu)), Gerhard Franz (TU Berlin; [gerhard.franz@tu-berlin.de](mailto:gerhard.franz@tu-berlin.de)), Dave Pattison (U. of Calgary; [pattison@ucalgary.ca](mailto:pattison@ucalgary.ca))
- Volatiles in minerals and their petrologic implications**  
Convenor: Bernardo Cesare (U. di Padova; [bernardo.cesare@unipd.it](mailto:bernardo.cesare@unipd.it)); co-convenors: Giuseppe Cruciani (U. di Ferrara; [Giuseppe.cruciani@unife.it](mailto:Giuseppe.cruciani@unife.it)), Simon Harley (U. of Edinburgh; [simon.harley@glg.ed.ac.uk](mailto:simon.harley@glg.ed.ac.uk))
- Minerals and fluid-rock interaction**  
Convenor: Iain Samson (U. of Windsor; [ims@uwindsor.ca](mailto:ims@uwindsor.ca)); co-convenor: Kurt Kyser (Queen's U.; [kyser@geol.queensu.ca](mailto:kyser@geol.queensu.ca))
- Respirable natural dusts: Sources, characterisation and health effects**  
Convenor: Claire Horwell (U. of Cambridge; [chor05@esc.cam.ac.uk](mailto:chor05@esc.cam.ac.uk)); co-convenors: Ben Williamson (NHM; [bw@nhm.ac.uk](mailto:bw@nhm.ac.uk)), Bob Finkelman (U. of Texas at Dallas; [rbbf@usgs.gov](mailto:rbbf@usgs.gov))

## THE SOCIETY'S SPECIAL INTEREST GROUPS THE ENVIRONMENTAL MINERALOGY GROUP (EMG)



Karen Hudson-Edwards is lecturer in environmental geology at Birkbeck University of London, and director of the Wolfson Laboratory for Environmental Geochemistry at UCL-Birkbeck. Here, as Chair of the Society's Environmental Mineralogy Group, she outlines the group's wide interests and recent and upcoming activities.

The Environmental Mineralogy Group (EMG) was formed in 2003 as a result of increasing interest in mineralogical research that contributes to the fundamental understanding of environmental science. The group focuses on the integration of mineralogy with life sciences and geochemistry in an environmental context. Within this broad theme, topics such as the chemistry, crystal structure, sorption capacities and stabilities of contaminant element-bearing minerals, bacterial-, fungal-, lichen-, worm-mineral interactions, minerals and human health, mineral weathering and minerals and waste disposal are of interest.

The group was recently involved in two meetings: 'Speciation and Toxicity' in London in 2004, and 'Environmental Mineralogy, Geochemistry and Human Health' in Bath in 2005. Twenty-eight papers arising from these meetings were recently published

in a special issue of *Mineralogical Magazine* (October 2005, volume 69, no. 5), which was guest edited by members of the group. An EMG research-in-progress (RIP) meeting is held every year, and is aimed at presentations by post-graduate students and new researchers, although all contributions are welcome. The 2006 RIP meeting was held on the 6<sup>th</sup> of April at UCL-Birkbeck, University of London.

The group will also be involved in two upcoming major international meetings. The 'Frontiers in Mineral Sciences 2007' meeting in Cambridge will feature a scientific session organised and supported by the group on the characterisation, stability and impact of minerals in contamination environments. The next 'Geochemistry of the Earth's Surface' meeting, which is held every three years and is in Reading in 2008, will also be supported by the group.

Each year we recruit two new members to the committee. We welcome people who are interested in promoting research and activities in environmental mineralogy. If you are interested, please contact the group secretary, Kevin Taylor (K.G.Taylor@mmu.ac.uk) or Karen Hudson-Edwards (k.hudson-edwards@bbk.ac.uk).

Karen Hudson-Edwards

## BURSARY AWARDS FOR 2006

The Council is pleased to announce the names of the individuals awarded bursaries in 2006.

SENIOR BURSARIES were awarded to Alan Boyle (The University of Liverpool), Kevin Taylor (Manchester Metropolitan University), Carolyn Pearce (The University of Manchester) and David Brown (University of Glasgow).

STUDENT BURSARIES were awarded to Dominique Tobler (University of Leeds), Victoria Coker (The University of Manchester), Steven Smith (Durham University), Charlotte Vye (The Open University), Michael Mawby (Durham University), Alessandra Costanzo (National University of Ireland Galway), Mark Pearce (The University of Liverpool), Duncan Hay (University of Glasgow), Daniel Smith (University of Leicester), Aimé Moore (Keele University) and Judith Barrett (Manchester Metropolitan University).

Details on the Society's bursary awards can be found at [www.minersoc.org/pages/awards/awards.html](http://www.minersoc.org/pages/awards/awards.html). In 2007 there will be two opportunities to apply for bursary awards, one in January and one in July.

## 2006

### Mineralogical Society Training Workshops in Electron Probe Microanalysis (EPMA) in Mineralogy For Postgraduates and Advanced Researchers



For full details and how to register for these 'hands on' training workshops go to <http://www.minersoc.org/education>

Natural History Museum, London  
Final Course Dates for 2006  
7-10 November 2006



MINERALOGICAL SOCIETY



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#### Membership Application

Go to the Society website at [www.minersoc.org](http://www.minersoc.org) and click on the *MinSoc Info* and *How to Join* buttons for more information and to download an application form. Alternatively contact the Mineralogical Society at 41 Queen's Gate, London SW7 5HR or phone +44 (0)20 7584 7516 or e-mail [info@minersoc.org](mailto:info@minersoc.org)