

2012

January 22–27 36th International Conference and Expo on Advanced Ceramics and Composites, Daytona Beach, FL, USA. Web page: <http://ceramics.org/dates-deadlines>

February 6–12 10th International Kimberlite Conference, Bangalore, India. Website: www.10ikcbangalore.com.

February 13–17 Short Course "High Pressure Experimental Techniques and Applications to the Earth's Interior", Bayreuth, Germany. Web page: www.bgi.uni-bayreuth.de/ShortCourse2012

February 20–24 AGU Chapman Conference on Remote Sensing of the Terrestrial Water Cycle, Kona, Hawai'i, USA. E-mail: chapman-remotesensing@agu.org; web page: www.agu.org/meetings/chapman/2012/acall

February 20–24 IAVCEI – IAS 4th International Maar Conference: Multidisciplinary Congress on Monogenetic Volcanism, Auckland, New Zealand. E-mail: k.nemeth@massey.ac.nz; web page: www.iavcei.org/IAVCEI.htm

February 20–24 2012 Ocean Sciences Meeting, Salt Lake City, UT, USA. Web page: www.agu.org/meetings

February 24 5th Annual Focused Ion Beam SEM Workshop, Washington, DC, USA. Website: www.fibsem.org

March 4–7 XIV EMPG (Experimental Mineralogy, Petrology and Geochemistry) Meeting, Kiel, Germany. E-mail: empg2012@min.uni-kiel.de; web page: www.EMPG2012.uni-kiel.de

March 11–15 The Minerals Metals & Materials Society (TMS) TMS 2012: Linking Science and Technology for Global Solutions, Orlando, FL, USA. E-mail: mtgserv@tms.org; web page: www.tms.org/meetings/annual-12/AM12home.aspx

March 16 FRESH (FRontline Earth Science Research) @ St Andrews: The Pulse of Earth Processes, University of St. Andrews, UK. Details: Jen Chambers, e-mail: jc116@st-andrews.ac.uk; web page: www.earthsci.st-andrews.ac.uk/seminars.html

March 19–23 43rd Lunar and Planetary Science Conference (LPSC 2012), The Woodlands, TX, USA. Web page: www.lpi.usra.edu/meetings/lpsc2012

March 25–29 243rd American Chemical Society (ACS) National Meeting & Exposition, San Diego, CA, USA. Web page: www.acs.org

April 9–13 MRS Spring Meeting, San Francisco, CA, USA. Web page: www.mrs.org/s_mrs/index.asp

April 9–13 School on Fundamental Crystallography, Mahdia, Tunisia. E-mail: Mathcryst.Commission@crm2.uhp-nancy.fr; web page: www.crystallography.fr/mathcryst/mahdia2012.php

April 22–25 AAPG Annual Convention & Exhibition, Long Beach, CA, USA. Web page: www.aapg.org/meetings

April 22–27 European Geosciences Union General Assembly 2012, Vienna, Austria. Web page: www.meetings.copernicus.org/egu2012

May 15–17 Microanalytical Reference Materials, Golden, CO, USA. E-mail: standards2012@microprobe.org; web page: www.csmospace.com/events/mas

May 16–20 Asteroids, Comets, Meteors (ACM) 2012, Niigata, Japan. Web page: <http://chiron.mtk.nao.ac.jp/ACM2012>

May 21–25 Third Conference on Early Mars: Geologic, Hydrologic, and Climatic Evolution and the Implications for Life, Carson City, NV, USA. Web page: www.lpi.usra.edu/meetings/earlymars2012

May 27–29 Geological Association of Canada and Mineralogical Association of Canada Annual Meeting, St. John's, NL. Web page: www.stjohns2012.ca

May 31–June 10 Erice School: Present and Future Methods for Biomolecular Crystallography, Erice, Sicily, Italy. Web page: www.crystalalice.org/Erice2012/2012.htm

June 11–13 Geo-Raman 10th Meeting, Nancy, France. E-mail: georaman10@g2r.uhp-nancy.fr; website: <http://georaman10.uhp-nancy.fr>

June 11–15 AGU Chapman Conference on Volcanism and the Atmosphere, Selfoss, Iceland. E-mail: chapman-volcanism@agu.org; web page: www.agu.org/meetings/chapman/2012/bcall

June 14–16 International School: Raman Spectroscopy Applied to Earth Sciences and Cultural Heritage, Nancy, France. E-mail: georaman10@g2r.uhp-nancy.fr; website: <http://georaman10.uhp-nancy.fr>

June 21–22 MSA Short Course on Applied Mineralogy of Cement and Concrete, Trondheim, Norway. E-mail: maarten.broekmans@ngu.no; web site: www.icdc2012.com

June 24–29 Goldschmidt 2012, Montreal, Canada. E-mail: helpdesk@goldschmidt2012.org; website: www.goldschmidt2012.org

July 2–6 4th International Congress Eurosoil 2012, Bari, Italy. Website: www.eurosoil2012.eu

July 9–13 Inter/Micro: 63rd Annual Applied Microscopy Conference, Chicago, IL, USA. Web page: www.mcri.org

July 15–19 International Congress on Ceramics (ICC4), Chicago, IL, USA. Web page: <http://ceramics.org/4th-international-congress-on-ceramics-icc4>

July 28–August 1 International Symposium on Zeolites and Microporous Crystals (ZMPC2012), Hiroshima, Japan. E-mail: secretary@zmpc.org; web page: www.zmpc.org

July 28–August 2 American Crystallographic Association (ACA) Annual Meeting, Boston, MA, USA. Web page: www.AmerCrystalAssn.org

July 29–August 2 Microscopy and Microanalysis 2012, Phoenix, AZ, USA. Web page: www.microprobe.org/events/microscopy-microanalysis-2012

August 1–4 6th International SHRIMP Workshop, Queensland, Australia. E-mail: SHRIMP2012@ga.gov.au; web page: www.ga.gov.au/minerals/

projects/current-projects/geochronology-laboratory/geochronology-workshop.html

August 2–10 34th International Geological Congress, Brisbane, Australia. E-mail: info@34igc.org; web page: www.34igc.org

August 4–6 XXVII European Crystallographic Meeting, Bergen, Norway. E-mail: Mathcryst.Commission@crm2.uhp-nancy.fr; web page: www.crystallography.fr/mathcryst/bergen2012.php

August 12–17 Annual meeting of the Meteoritical Society, Cairns, Queensland, Australia. Details: Trevor Ireland, e-mail: trevor.ireland@anu.edu.au; web page: www.meteoriticalsociety.org

August 19–23 244th ACS National Meeting & Exposition, Philadelphia, PA, USA. Web page: www.acs.org

August 27–29 7th International Conference on Mineralogy and Museums, Dresden, Germany. E-mail: info@MM7-Dresden-2012.de; web page: www.conventus.de/mm7

September 2–6 EMC2012: Planet Earth – From Core to Surface (joint meeting), Johann Wolfgang Goethe-University, Frankfurt, Germany. Details: Kevin Murphy; web page: <http://emc2012.uni-frankfurt.de>

September 2–6 Serpentine Days, Porquerolles Island, France. E-mail: Gaelle.Dufour@impmc.upmc.fr

September 4–9 MECC2012: 6th Mid-European Clay Conference, Prague, CZ. Website: www.mecc2012.org

September 17–20 Geoanalysis 2012, Búzios, Brazil. Web page: www.ige.unicamp.br/geoanalysis2012

September 23–26 SEG Conference Latin America: Integrated Exploration and Ore Deposits, Lima, Peru. E-mail: Peru2012@segweb.org; web page: www.segweb.org/activities/PeruConference-Flyer.pdf

September 23–29 4th International Workshop on Collapse Calderas, Vulcini, Italy. E-mail: acocella@uniroma3.it or ageytraver@gmail.com; web page: www.gvb-csic.es/CCC.htm

September 24–26 2nd Conference "Contemporary Problems of Geochemistry", Kielce, Poland. Web page: www.ujk.edu.pl/geochemistry2012

September 26–27 11th Geochronological Conference "Dating of Minerals and Rocks XI", Kielce, Poland. Web page: www.ujk.edu.pl/geochronology2012

October 7–11 MS&T'12: Materials Science & Technology Conference and Exhibition, combined with ACerS 114th Annual Meeting, Pittsburgh, PA, USA. Web page: www.matscitech.org

October 22–25 5th International ANDRA Meeting: Clays in Natural and Engineered Barriers for Radioactive Waste Confinement, Montpellier, France. Website: www.montpellier2012.com

October 22–26 Short Course: Introduction to Secondary Ion Mass Spectroscopy in the Earth Sciences, Potsdam, Germany. Web page: www.gfz-potsdam.de/portal/gfz/Struktur/

Departments/Department+4/sec42/Infrastruktur/GFZ+SIMS+Laboratory/ShortCourse

November 4–7 Geological Society of America (GSA) Annual Meeting, Charlotte, NC, USA. Web page: www.geosociety.org/meetings

November 7–9 MEI Process Mineralogy 12 Conference, Cape Town, South Africa. Web page: www.min-eng.com/processmineralogy12/index.html

November 16–17 10th Swiss Geoscience Meeting, Bern, Switzerland. Web page: <http://ssmp.scnatweb.ch>

November 18–23 Cities on Volcanoes 7, Colima, Mexico. E-mail: cov7@citiesonvolcanoes7.com; website: www.citiesonvolcanoes7.com

November 26–30 MRS Fall Meeting, Boston, MA, USA. Web page: www.mrs.org/s_mrs/index.asp

November 25–December 3 International School on Fundamental Crystallography, Überlandia, Brazil. E-mail: Mathcryst.Commission@crm2.uhp-nancy.fr; web page: www.crystallography.fr/mathcryst/uberlandia2012.php

December 1–8 International Workshop on Magmatic Ore Deposits, Karnataka, India. E-mail: sisir.mondal@gmail.com; web page: www.sites.google.com/site/ptsymposium

2013

January 27–February 1 37th International Conference and Expo on Advanced Ceramics and Composites, Daytona Beach, FL, USA. Web page: <http://ceramics.org/meetings/acers-meetings>

February International DTTG-Workshop on Qualitative and Quantitative Analysis of Clays and Clay Minerals, Karlsruhe Institute of Technology (KIT), Germany. Web page: www.dttg.ethz.ch/home_en.html

March 3–7 TMS Annual Meeting, San Antonio, TX, USA. Web page: www.tms.org/Meetings/Meetings.aspx

March 27–29 Volcanism, Impacts and Mass Extinctions: Causes and Effects, London, England. Details forthcoming

April 1–5 MRS Spring Meeting & Exhibit, San Francisco, CA, USA. Web page: www.mrs.org/spring2013

April 7–11 245th American Chemical Society (ACS) National Meeting & Exposition, New Orleans, LA, USA. Web page: www.acs.org

May 19–22 AAPG 2013 Annual Convention & Exhibition, Pittsburgh, PA, USA. Web page: www.aapg.org

May 22–24 Geological Association of Canada /Mineralogical Association of Canada Annual Meeting, Winnipeg, Manitoba, Canada. Web page: www.mineralogicalassociation.ca/index.php?p=35

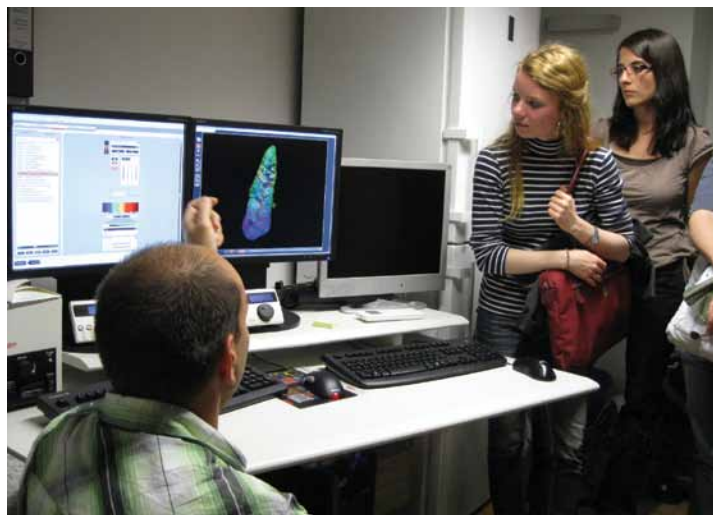
July IAVCEI General Assembly 2013: Forecasting Volcanic Activity, Kagoshima, Japan. Details: Masato Iguchi, e-mail: iguchi@svo.dpri.kyoto-u.ac.jp; web page: www.iavcei.org/IAVCEI.htm

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EAG SHORT COURSE SERIES – ADVANCED TOOLS IN ENVIRONMENTAL BIOGEOCHEMISTRY

A four-day short course entitled Advanced Tools in Environmental Biogeochemistry was held one week before the Goldschmidt 2011 Conference in Prague. It was generously funded by the European Association of Geochemistry (EAG), the Functionality of Iron Minerals in Environmental Processes Network (FIMIN) and the National Science Foundation (NSF). The short course was given by international experts in the field of biogeochemistry and was complemented by a one-day tour of the nearby synchrotron facility “Anka.” “All participants will be able to learn most from an interactive workshop. This is why we have reserved plenty of time for coffee breaks and social activities, and we will provide the participants with the opportunity to analyze their own samples at the synchrotron,” said Andreas Kappler, professor of geomicrobiology at the University of Tübingen and one of the co-organizers, prior to the start of the course. “But I also expect to learn something about the techniques I am less familiar with myself,” he added. Ruben Kretzschmar, professor of soil chemistry at ETH Zürich, and Thomas Borch, associate professor of environmental soil chemistry at Colorado State University, were the other co-organizers.

The 20 participants, all graduate students in chemistry, geology, environmental microbiology or related fields, came from five different countries. During the course, scientists from the University of Tübingen, the CNRS in Paris, Colorado State University and ETH Zürich described their techniques of expertise and also provided some practical demonstrations with the instruments. The topics covered a broad range, including the function and application of microelectrodes in biogeochemical studies, Mössbauer spectroscopy, secondary-ion mass spectrometry, and various microscopy techniques, such as confocal Raman, transmission electron (TEM), focused ion beam/scanning electron transmission (FIB/SEM) and scanning transmission X-ray (STXM) microscopy. After two days of presentations and discussions of possible applications of the individual techniques, the visit to the synchrotron beamlines at Anka in Karlsruhe was a highlight of the course.



Martin Obst demonstrates features of a confocal laser scanning microscope.

The success of the course would not have been possible without the generous funding by EAG, FIMIN and the NSF, which enabled not only the invitation of speakers and participants from all over the world but also hiring student helpers who were involved in copying the course material, preparing coffee breaks, and ensuring that everything worked smoothly. The organizers and participants would like to thank all funding parties.

Further details and additional pictures can be found on the EAG website at www.eag.eu.com/education/shortcourse/.

Maren Emmerich
University of Tübingen, Germany

CALENDAR *Cont'd from page 429*

July 11 International Congress of Applied Mineralogy, China. Details forthcoming

July 11 European Congress for Stereology and Image Analysis, Kaiserslautern, Germany. Details: Prof. K Schladitz (katja.schladitz@itwm.fraunhofer.de)

July 1–5 1st International Conference on Tomography of Materials and Structures, Ghent, Belgium. E-mail: ictms2013@ugent.be; website: www.ictms.ugent.be

July 7–12 17th International Zeolite Conference, Moscow, Russia. Website: www.izc17.com

July 29–August 2 Annual Meeting of the Meteoritical Society, Edmonton, Alberta, Canada. Web page: www.meteoriticalsociety.org

August ECM-28 – XXVIII European Crystallographic Meeting, Warwick, UK. Details forthcoming

August 4–8 Microscopy & Microanalysis 2013, Indianapolis, IN, USA. Web page: www.microprobe.org/events

August 25–30 Goldschmidt Conference, Florence, Italy. Web page: www.goldschmidt2013.org

September 8–12 246th American Chemical Society National Meeting & Exposition, Indianapolis, IN, USA. Web page: www.acs.org

October CMM Autumn School: Moisture Measurement in Porous Mineral Materials, Karlsruhe Institute of Technology (KIT), Germany. Web page: www.cmm.kit.edu/english/index.php

October 27–30 Geological Society of America Annual Meeting, Denver, CO, USA. E-mail: meetings@geosociety.org; web page: www.geosociety.org/meetings

October 27–31 MS&T'13: Materials Science & Technology Conference and Exhibition, Montreal, Quebec, Canada.

Web page: www.matscitech.org/about/future-meetings

2014

June 9–13 Goldschmidt Conference, Sacramento, CA, USA. Details forthcoming

September 1–5 21st General Meeting of the International Mineralogical Association (IMA2014), Johannesburg, South Africa. E-mail: info@ima2014.co.za; web page: www.ima2014.co.za

October 12–16 MS&T'14: Materials Science & Technology Conference and Exhibition, Pittsburgh, PA, USA. Web page: www.matscitech.org/about/future-meetings

October 19–22 Geological Society of America Annual Meeting, Vancouver, BC, Canada. E-mail: meetings@geosociety.org; web page: www.geosociety.org/meetings

The meetings convened by the societies participating in *Elements* are highlighted in yellow. This meetings calendar was compiled by Andrea Koziol (more meetings are listed on the calendar she maintains at <http://homepages.uyd Dayton.edu/~akoziol1/meetings.html>). To get meeting information listed, please contact her at Andrea.Koziol@notes.uyd Dayton.edu.