

‘Matching the trajectories of technological progress with the customers’ ability to utilize progress’ by C. M. Christensen of Harvard Business School. The MRS Medal Awardees C. M. Mate of IBM Almaden Research Center presented a talk on ‘On the road to an atomic and molecular level understanding of friction,’ and N. C. Barlett of Sandia National Laboratory on ‘Testing the fundamental theories of surface dynamics.’ The Turnbull Lecturer Award was given to J. R. Chelikowsky of University of Illinois who presented a talk on ‘Silicon in all its forms.’ The Materials Research Society’s highest honor, the Von Hippel Award was presented to Simon Moss of University of Houston who lectured on ‘Scattering studies of real materials.’

A large-scale MRS exhibit, which was an important part of the meeting that complemented the technical program, also took place in the Hynes Exhibit Hall. Over 200 international exhibitors (manufacturers, suppliers, service organizers, publishers, engineering firms, etc.) displayed an extensive array of products, services, equipment, instrumentation,

publications, and computer-related products. ICDD also had an attractive booth at the exhibit. The exhibit hall has been a meeting place where attendees can relax and exchange information. Many of them took the opportunity to stroll along different aisles to learn about the latest technology, browse new books and pick up souvenirs.

The evening poster sessions (another important part of the MRS meeting), was also a favorite gathering place for the attendees. The society offered a variety of complimentary dishes and drinks so the attendees could discuss various serious scientific subjects in a relaxing atmosphere. In order to encourage poster presentations, cash awards of \$500 each were also presented to poster winners.

The scientific program concluded on Friday. Throughout the entire week, the cooperative weather and the enchanting holiday atmosphere in Copley Square provided additional enjoyment for the attendees. All in all, the 2001 MRS meeting was a great success.

## Calendar of Meetings

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### 3–8 March 2002

**Chemistry and Physics of Cement-Based Materials.** Ventura, California, USA. This is a Gordon Research Conference. [Contact: James J. Beaudoin, National Research Council, Institute for Research in Construction, Montreal Road, Ottawa, ON K1A 0R6, Canada. E-mail: jim.beaudoin@nrc.ca; Info: <http://www.grc.uri.edu/programs/2002/cement.htm>].

### 4–6 March 2002

**Conference on Film Formation II: Science and Technology.** Hilton Head, South Carolina, USA. [Contact: Institute of Materials Science. Tel: 1 (914) 255 0757; Fax: 1 (914) 255 0978; E-mail: [info@ims-np.org](mailto:info@ims-np.org); Info: <http://www.ims-np.org>].

### 4–7 March 2002

**DGK 2002 10. Jahrestagung der Deutschen Gesellschaft für Kristallographie (DGK).** Kiel, Germany. [Contact: DGK 2002, Institut für Geowissenschaften der Universität zu Kiel, Olshausenstrasse 40, D-24098 Kiel, Germany. Tel: 49 (431) 880 2892; Fax: 49 (431) 880 4457; E-mail: [dgk2002@min.uni-kiel.de](mailto:dgk2002@min.uni-kiel.de); Info: <http://www.ifg.uni-kiel.de/dgk2002>].

### 7–22 March 2002

**Pittcon 2002.** New Orleans, Louisiana, USA. [Contact: Pittsburgh Conference, 300 Penn Center Boulevard, Suite 332, Pittsburgh, PA 15235, USA. Tel: 1 (415) 825 3220; Fax: 1 (415) 825 3224; E-mail: [expo@pittcon.org](mailto:expo@pittcon.org); Info: <http://www.pittcon.org>].

### 18–22 March 2002

**International Centre for Diffraction Data, Spring meeting.** Newtown Square, Pennsylvania, USA. [Contact: Linda Shetz, International Centre for Diffraction Data, 12 Campus Boulevard, Newtown Square, PA 19073-3273, USA. Tel: 1 (610) 325 9814; Fax: 1 (610) 325 9823; E-mail: [shertz@icdd.com](mailto:shertz@icdd.com); info: <http://www.icdd.com>].

### 20–23 March 2002

**DGKK 2002 32. Jahrestagung der Deutschen Gesellschaft für Kristallwachstum und Kristallzüchtung (DGKK).** Idar-Oberstein, Germany. [Contact: Dr. Klaus Dupré, FEE GmbH, Struthstrasse 2, D-55743 Idar-Oberstein, Germany. Tel: 49 (6781) 216 3234; Fax: 49 (6781) 70 353; E-mail: [dupre@fee-io.de](mailto:dupre@fee-io.de); Info: <http://www.fee-io.de/tagung>].

### 25–28 March 2002

**British Crystallographic Association Annual Meeting.** Nottingham, England, UK. Held at Nottingham University. [Contact: Info: <http://www.gordon.cryst.bbk.ac.uk/BCA/meets/BCAnew.html>].

### 2–4 April 2002

**Spring Meeting of the Materials Research Society.** San Francisco, California, USA. [Contact: Materials Research Society, 506 Keystone Drive, Warrendale, PA 15086-7573, USA. Tel: 1 (724) 779 3003; Fax: 1 (724) 779 8313; E-mail: [info@mrs.org](mailto:info@mrs.org); Info: <http://www.mrs.org>].

**13–18 April 2002**

**15th International Symposium on Microscale Techniques.** Stockholm, Sweden. [Contact: Monika Edström, The Swedish Chemical Society, Wallingatan 24, 3 tr, SE-111 24 Stockholm, Sweden. Tel: 46 (8) 411 5260; Fax: 46 (8) 10 6678; E-mail: monika@chemsoc.se; Info: <http://www.chemsoc.se/sidor/KK/hpce2002.htm>].

**28 April–1 May 2002**

**American Ceramics Society, 104th Annual Meeting.** St. Louis, Missouri, USA. [Contact: Tel: 1 (614) 890 4700; Fax: 1 (614) 899 6109; E-mail: [info@acers.org](mailto:info@acers.org); Info: <http://www.acers.org>].

**13–16 May 2002**

**Art 2002 7th International Conference on Art.** Antwerp-Wilrijk, Belgium. Nondestructive analytical methodologies have been used in materials science and biomedicine for quite some time. Recently they have been introduced for the study of our cultural heritage. The aim of this conference is to assess the state-of-the-art and new developments relevant to this multidisciplinary field. The conference creates a forum for materials scientists, art historians, and archeologists. The conference language is English. [Contact: Art 2002 Secretariat, University of Antwerp, Department of Chemistry, Universiteitsplein 1, Antwerp-Wilrijk BE-2610, Belgium. Tel: 32 (3) 820 2343; Fax: 32 (3) 820 2376; E-mail: [vandact@uia.ac.be](mailto:vandact@uia.ac.be)].

**23–26 May 2002**

**EPDIC-8 Eighth European Powder Diffraction Conference.** Uppsala, Sweden. [Contact: Gunilla Lindh, Department of Materials Chemistry, Ångström Laboratory, Box 538, SE-751 21 Uppsala, Sweden. Tel: 46 (18) 471 3733; Fax: 46 (18) 513 548; E-mail: [gunilla.lindh@mkem.uu.se](mailto:gunilla.lindh@mkem.uu.se); Info: <http://www.nfl.uu.se/hr/welcome.htm>].

**26–30 May 2002**

**ACA'02 American Crystallographic Association Annual Meeting.** San Antonio, Texas, USA. [Contact: Raymond E. Davis, Department of Chemistry and Biochemistry, University of Texas at Austin, Austin, TX 78712-1167, USA. Tel: 1 (512) 471 4440; Fax: 1 (512) 471 8696; E-mail: [redavis@mail.utexas.edu](mailto:redavis@mail.utexas.edu); Info: <http://www.hwi.buffalo.edu/ACA>].

**3–7 June 2002**

**ZEOLITE'02 6th International Conference on the Occurrence, Properties, and Utilization of Natural Zeolites.** Thessaloniki, Greece. Followed by a 2.5-day field trip to the major natural zeolite deposits in northeast Greece and several important Thracian archaeological sites. [Contact: Prof. Panagiotis Misaelides, Aristotle University, Department of Chemistry, Post Office Box 1547, GR-540 06 Thessaloniki, Greece. Tel: 30 (31) 997 789; Fax: 30 (31) 997 753; E-mail: [misailid@chem.auth.gr](mailto:misailid@chem.auth.gr); Info: <http://meltemi.chem.auth.gr/activities/zeo2002>].

**8–13 June 2002**

**39th Annual Meeting of the Clay Minerals Society.** Boulder, Colorado, USA. Includes a workshop, “Teaching Clay

Sciences” (June 8) and a field trip, “Clays and the Front Range” (June 13). [Contact: Kathryn Nagy, Department of Geological Sciences, University of Colorado, Boulder, CO 80309, USA. Tel: 1 (303) 492 6187; Fax: 1 (303) 492 2602; E-mail: [kathryn.nagy@colorado.edu](mailto:kathryn.nagy@colorado.edu); Info: <http://www.colorado.edu/geolsci/cms>].

**23–24 June 2002**

**Minerals 2002.** London, England, UK. [Contact: John Bowles. E-mail: [john@mineralscience.demon.co.uk](mailto:john@mineralscience.demon.co.uk)].

**30 June–4 July 2002**

**Trends in Sample Preparation: Development and Application.** Seggau, Styria, Austria. The venue is Steggau Castle; the conference language is English. The scientific program is dedicated to all chemists working on topics associated with uncertainties in sample preparation. [Contact: Thomas Wenzl, Institute for Analytical Chemistry, Graz University of Technology, Technikerstrasse 4, Graz 8010, Austria. Tel: 43 (316) 873 8301; Fax: 43 (316) 873 8304; E-mail: [trisp@analytchem.tu-graz.ac.at](mailto:trisp@analytchem.tu-graz.ac.at); Info: <http://www.analytchem.TUGraz.at>].

**9–11 July 2002**

**Micro 2002.** London, England, UK. [Contact: Allison Winton, Royal Microscopical Society, 37/38 St. Clements, Oxford OX4 1AJ, UK. Tel: 44 (1865) 248 768; Fax: 44 (1865) 791 237; E-mail: [exhibition@rms.org.uk](mailto:exhibition@rms.org.uk); Info: <http://www.rms.org.uk>].

**14–19 July 2002**

**CIMTEC 2002 10th International Ceramics Congress and Third Forum on New Materials.** Florence, Italy. [Contact: CIMTEC 2002 Secretariat, Post Office Box 174, Corso Mazzini 52, I-48018 Faenza, Italy. Tel: 39 (0546) 664 143; Fax: 39 (0546) 664 138; Info: <http://www.dinamica.it/cimtec>].

**14–19 July 2002**

**PCI 2002 International Conference on the Physics and Chemistry of Ice.** St. John's, Newfoundland, Canada. [Contact: Joanne Myrick-Harris, Hatcher House, Memorial University of Newfoundland, St. John's, Newfoundland A1B 3P7, Canada. Tel: 1 (709) 737 7922; Fax: 1 (709) 737 3520; E-mail: [jharris@mun.ca](mailto:jharris@mun.ca); Info: <http://wwwhousing.mun.ca/conf/pci>].

**29 July–2 August 2002**

**51st Annual Denver X-ray Conference.** Colorado Springs, Colorado, USA. [Contact: Denise Flaherty, Conference Coordinator, International Centre for Diffraction Data, 12 Campus Boulevard, Newtown Square, PA 19073-3273, USA. Tel: 1 (610) 325 9814; Fax: 1 (610) 325 9823; E-mail: [dxc@icdd.com](mailto:dxc@icdd.com); Info: <http://www.dxcicdd.com/02>].

**4–8 August 2002**

**ACCGE-14 14th American Conference on Crystal Growth and Epitaxy.** Seattle, Washington, USA. [Contact: ACCGE-14 Secretariat, Tony Gentile at [aacg@lafn.org](mailto:aacg@lafn.org); Info: <http://www.crystalgrowth.org/conferences/accg14>].

#### 4–9 August 2002

**Microscopy and Microanalysis 2002.** Québec City, Québec, Canada. [Contact: Dr. Pierre M. Charest, Département de Phytologie, Pavillon C.-E. Marchand, Université Laval, Québec City, Québec G1K 7P4, Canada. Tel: 1 (418) 656 7792; Fax: 1 (418) 656 7176; E-mail: pcharest@rsvs.ulaval.ca; Info: <http://msc.rsvs.ulaval.ca/2002/2002.html>].

#### 6–15 August 2002

**19th IUCr General Assembly and International Congress of Crystallography.** Geneva, Switzerland. *Note the change in venue from Jerusalem to Geneva.* [Contact: Secretariat XIX IUCr, Post Office Box 50006, Tel Aviv 61500, Israel. Tel: 972 (3) 514 0000; Fax: 972 (3) 514 0077; E-mail: iucr@kenes.com; Info: <http://www.kenes.com/iucr>].

#### 18–23 August 2002

**12th Annual Goldschmidt Conference.** Davos, Switzerland. Covering the earth sciences, environmental chemistry, geochemistry, cosmochemistry, biogeochemistry, and tectonics. The conference language is English. [Contact: Cambridge Publications, Post Office Box 27, Cambridge CB1 8TR, UK. E-mail: [gold2002@campublic.co.uk](mailto:gold2002@campublic.co.uk); Info: <http://www.goldschmidt-conference.com/gold2002>].

#### 25–29 August 2002

**Twelfth International Conference on Small Angle Scattering.** Venezia, Italy. [Contact: Dr. A. Benedetti, Università di Venezia, Dipartimento di Chimica Fisica, Calle Larga S. Marta D. D. 2137, I-30123 Venezia, Italy. Fax: 39 (041) 257 8594; E-mail: [sas2002@unive.it](mailto:sas2002@unive.it); Info: <http://www.unive.it/sas2002>].

#### 1–6 September 2002

**IMA 2002 18th General Meeting of the International Mineralogical Association.** Edinburgh, Scotland, UK. [Contact: The Mineralogical Society, 41 Queen's Gate, London SW7 5HR, UK. Tel: 44 (20) 7584 7516; Fax: 44 (20) 7823 8021; E-mail: [info@minersoc.org](mailto:info@minersoc.org); Info: <http://www.minersoc.org/pages/meetings/IMA2002.html>].

#### 1–6 September 2002

**ICEM-15 Fifteenth International Congress on Electron Microscopy.** Durban, Kwazulu-Natal, South Africa. Sponsored by the International Federation of Societies for Electron Microscopy and the Microscopy Society of South Africa. Includes all aspects and applications of microscopy and microanalysis. [Contact: Robin Cross, ICEM-15 Secretariat, Electron Microscopy Unit, Rhodes University, Post Office Box 94, Grahamstown 6140, South Africa. Tel: 27 (46) 603 8168; Fax: 27 (46) 622 4377; E-mail: [r.cross@ru.ac.za](mailto:r.cross@ru.ac.za); Info: <http://www.icem15.com>].

#### 8–11 September 2002

**3rd International Conference on Inorganic Materials.** Konstanz, Germany. [Contact: Dr. Martin Jansen, Max-Planck-Institut für Festkörperforschung, Heisenbergstrasse 1, D-70569 Stuttgart, Germany. Tel: 49 (711) 689 1500; Fax: 49 (711) 689 1502; E-mail: [martin@jansen.mpi-stuttgart.mpg.de](mailto:martin@jansen.mpi-stuttgart.mpg.de)].

#### 8–12 September 2002

**80. Jahrestagung der Deutschen Mineralogischen Gesellschaft.** Hamburg, Germany. [Contact: Info: <http://www.rrz.uni-hamburg.de/DMG2002>].

#### 8–13 September 2002

**Euroanalysis 12: European Conference on Analytical Chemistry.** Dortmund, Germany. [Contact: Conference Secretariat Euroanalysis, Gesellschaft Deutscher Chemiker, Post Office Box 90 04 40, D-60444 Frankfurt am Main, Germany. Tel: 49 (69) 7917 358; Fax: 49 (69) 7917 475; E-mail: [tg@gdch.de](mailto:tg@gdch.de); Info: <http://www.euroanalysis.de/index.html>].

#### 22–26 September 2002

**116th AOAC International Annual Meeting.** Los Angeles, California, USA. [Contact: Maria Donovan, AOAC International, 481 North Frederick Avenue, Suite 500, Gaithersburg, MD 20877-2417, USA. Tel: 1 (301) 924 7089; Fax: 1 (301) 924 7089; E-mail: [m Donovan@aoac.org](mailto:m Donovan@aoac.org); Info: <http://www.aoac.org>].

#### 30 September–3 October 2002

**Third Mediterranean Clay Meeting.** Jerusalem, Israel. Devoted to the chemistry, physics, and geology of clay minerals in the Mediterranean region, and their applications. English will be the official conference language. [Contact: Dr. Zev Gerstl, Institute of Soil, Water, and Environmental Chemistry, Volcani Center, ARO, Post Office Box 6, Bet Dagan 50250, Israel. Tel: 972 (3) 968 3272; Fax: 972 (3) 960 4017; E-mail: [zgerstl@volcani.agri.gov.il](mailto:zgerstl@volcani.agri.gov.il); Info: [http://www.agri.huji.ac.il/clay\\_meeting](http://www.agri.huji.ac.il/clay_meeting)].

#### 6–10 October 2002

**The Minerals, Metal & Materials Society Fall Meeting.** Columbus, Ohio, USA. [Contact: TMS, 184 Thorn Hill Drive, Warrendale, PA 15086, USA. Tel: 1 (724) 776 9000; Fax: 1 (724) 776 3770; E-mail: [ckobert@tms.org](mailto:ckobert@tms.org); Info: <http://www.tms.org>].

#### 13–17 October 2002

**29th Annual Conference of the Federation of Analytical Chemistry and Spectroscopic Societies.** Providence, Rhode Island, USA. [Contact: Cindi Lilly, FACSS National Office, 1201 Don Diego Avenue, Santa Fe, NM 87505, USA. Tel: 1 (505) 820 1648; Fax: 1 (505) 989 1073; E-mail: [jsjoberg@trail.com](mailto:jsjoberg@trail.com); Info: <http://facss.org/info.htm>].

#### 30 October–1 November 2002

**International Seminar on Physics and Chemistry of Solid Materials.** Agadir, Morocco. Language: French/English. [Contact: H. Benyaich, Ecole Supérieure de Technologie d'Agadir, Faculty of Sciences, BP 28/S Cite Dakhla, Agadir 80000, Morocco. Tel: 212 (0) 4822 0957; Fax: 212 (0) 4822 0100; E-mail: [remces9@esta.ac.ma](mailto:remces9@esta.ac.ma); Info: <http://www.esta.ac.ma/remces9>].

#### 2–6 December 2002

**Fall Meeting of the Materials Research Society.** Boston, Massachusetts, USA. [Contact: Materials Research Society, 506 Keystone Drive, Warrendale, PA 15086-7573, USA. Tel: 1 (724) 779 3003; Fax: 1 (724) 779 8313; E-mail: [info@mrs.org](mailto:info@mrs.org); Info: <http://www.mrs.org>].

### March 2003

**International Centre for Diffraction Data, Spring Meeting.** Newtown Square, Pennsylvania, USA. [Contact: Linda Shertz, International Centre for Diffraction Data, 12 Campus Boulevard, Newtown Square, PA 19073-3273, USA. Tel: 1 (610) 325 9814; Fax: 1 (610) 325 9823; E-mail: shertz@icdd.com; Info: <http://www.icdd.com>].

### 2–6 March 2003

**132nd Annual Meeting of the Minerals, Metals & Materials Society.** San Diego, California, USA. [Contact: TMS, 184 Thorn Hill Drive, Warrendale, PA 15086, USA. Tel: 1 (724) 776 9000; Fax: 1 (724) 776 3770; E-mail: ckobert@tms.org; Info: <http://www.tms.org/Annual-03/AnnMtg03Home.html>].

### 14–17 April 2003

**British Crystallographic Association Annual Meeting.** York, England, UK. Held at York University. [Contact: Info: <http://bca.cryst.bbk.ac.uk/BCA/meets/BCAnew.html>].

### 7–11 June 2003

**Clay Minerals Society 40th Annual Meeting.** Athens, Georgia, USA. Joint meeting with the **Mineralogical Society of America**. [Contact: Paul A. Schroeder, University of Georgia, Athens, GA, USA. Tel: 1 (706) 542 2384; E-mail: schroe@gly.uga.edu; Info: <http://www.gly.uga.edu/CMS2003>].

### 22–26 June 2003

**Euroclay 2003.** Modena, Italy. [Contact: Maria Franca Brigatti, Dipartimento di Scienza della Terra, Università di Modena e Reggio Emilia, Largo S. Eufemia 19, I-41100 Modena, Italy. Fax: 39 (059) 205 5887; E-mail: ec2003@unimo.it; Info: <http://www.unimo.it/euroclay2003>].

### 21–26 July 2003

**Aperiodic 2003.** Belo Horizonte, Minas Gerais, Brazil. [Contact: Secretaria do Aperiodic 2003, Departamento de Física, Universidade Federal de Minas Gerais, CP 702, Belo Horizonte 30123-970, Minas Gerais, Brazil. Tel: 55 (31) 3499 5672; Fax: 55 (31) 3499 5600; E-mail: ap2003@fisica.ufmg.br; Info: <http://www.fisica.ufmg.br/~ap2003>].

### 26–31 July 2003

**ACA'03 American Crystallographic Association Annual Meeting.** Cincinnati, Ohio, USA. [Contact: Jeanette Krause Bauer, Department of Chemistry, Post Office Box 210172,

Cincinnati, OH 45221-0172, USA. Tel: 1 (513) 556 9226; Fax: 1 (513) 556 9239; E-mail: [jeanette.krause@uc.edu](mailto:jeanette.krause@uc.edu); Info: <http://nexus.hwi.buffalo.edu/aca/aca-annual/futuremeetings.html>].

### 30 July–2 August 2003

**Microscopy and Microanalysis 2003.** San Antonio, Texas, USA. Sponsored by the Microscopy Society of America and the Microbeam Analysis Society. [Contact: MSA Business Office, Bostrom Corporation, 230 East Ohio, Suite 400, Chicago, IL 60611, USA. Tel: 1 (312) 644 1527; Fax: 1 (312) 644 8557; E-mail: [businessoffice@msa.microscopy.com](mailto:businessoffice@msa.microscopy.com); Info: <http://www.msa.microscopy.com>].

### 10–13 August 2003

**CRYSTAL 23 Joint meeting of the Society of Crystallographers in Australia and New Zealand and the Asian Crystallographic Association.** Broome, Western Australia, Australia. [Contact: Syd Hall, Crystallography Centre, University of Western Australia, Nedlands 6009, WA, Australia. Tel: 61 (8) 9380 2725; Fax: 61 (8) 9380 1118; E-mail: [srh@crystal.uwa.edu.au](mailto:srh@crystal.uwa.edu.au); Info: <http://www.crystal.uwa.edu.au/CrystalsDownUnder>].

### 24–29 August 2003

**ECM-21 21st European Crystallographic Meeting.** Durban, South Africa. [Contact: Prof. Andreas Roodt, Free State University. E-mail: [RoodtA@sci.uovs.ac.za](mailto:RoodtA@sci.uovs.ac.za); Info: <http://www.ecm21-africa.co.za>].

### 2–6 September 2003

**ECNS 2003 European Conference on Neutron Scattering.** Montpellier, France. [Contact: René Vacher, CNRS-SPM, Montpellier, France. Tel: 33 (4) 6714 3449; Fax: 33 (4) 6714 3498; E-mail: [rene@ldv.uni-montp2.fr](mailto:rene@ldv.uni-montp2.fr); Info: <http://www.sfn.asso.fr>].

### 14–18 March 2004

**133rd Annual Meeting of the Minerals, Metals & Materials Society.** Charlotte, North Carolina, USA. [Contact: TMS, 184 Thorn Hill Drive, Warrendale, PA 15086, USA. Tel: 1 (724) 776 9000; Fax: 1 (724) 776 3770; E-mail: ckobert@tms.org; Info: <http://www.tms.org/Meetings/Annual-04/AnnMtg04Home.html>].

### August 2005

**20th IUCr General Assembly and International Congress of Crystallography.** Florence, Italy. [Contact: Carlo Mealli. E-mail: [mealli@fi.cnr.it](mailto:mealli@fi.cnr.it)].

## Short Courses & Workshops

### 17 February–28 March 2002

**HERCULES 2002.** Grenoble, France. This six-week course is designed for graduate and postdoctoral students and senior scientists. The presentation language will be English. The course is given in two concurrent parts: Neutron and Syn-

chrotron Radiation for Physics and Chemistry of Condensed Matter, and for Biomolecular Structure and Dynamics. The format is lectures in the morning, tutorials and practicals in the afternoon. [Contact: Marie-Claude Moissenet, Secretariat HERCULES, CNRS-Maison des Magistères, BP 166,