

MD was awarded the 2003 Jenkins Award, named after his good friend and colleague, Dr. Ron Jenkins. John received the prestigious tribute for his lifetime achievements in the advancement of the use of X-rays for material analysis. The 2003 Jerome B. Cohen Student Award was presented to Yukio Takahashi, Tohoku University, Sendai, Japan. Yukio received the award for a paper that he submitted, "Development and Application of Laboratory X-ray Fluorescence Holography Equipment". The award winning paper was presented during the XRF Poster Session. Frank McClune, International Centre for Diffraction Data (ICDD), Newtown Square, PA was the proud recipient of the 2003 Distinguished Fellows Award. The award was presented to Frank for his long and meritorious service to the ICDD.

Poster sessions were held on Monday, Tuesday and Wednesday evening of conference week. Judges were appointed each night to select the best posters. The following posters were selected as the best: "Minimization of Errors Due to Microabsorption or Absorption Contrast," B.M. Pederson, R.S. Winburn, Minot State University, Minot, ND; "X-ray Micro-Diffraction Study of the Half-V Shaped Switching Ferroelectric Liquid Crystal," K. Takada, T. Noma, T. Togano, T. Mukaide, Canon Research Center, Atsugi, Kanagawa, Japan, A. Iida, Institute of Materials Structure Science, Tsukuba, Ibaraki, Japan; "Carbon-Nanotube Field Emission X-ray Tube for Space Exploration XRD/XRF Instrument," P. Sarrazin, D. Blake, L. Delzeit, M. Meyyappan, NASA Ames Research Center, Moffett Field, CA, B. Boyer, S. Snyder, X-ray Technologies, Inc., Scotts Valley, CA, B. Espinosa, Microwave Power Technology, Campbell, CA; "Identification of Hot Particles in the Environment using Single Particle X-ray Emission and Absorption Analysis," S. Török, J. Osán, B. Alfödy, KFKI Atomic Energy Research Institute, Budapest, Hungary, L. Vincze, KFKI Atomic Energy Research Institute and University of Antwerp, Antwerp, Belgium, M. Betti, Institute for Transuranium Elements, Karlsruhe, Germany, C.A. Pérez, Laboratório Nacional de Luz Síncrotron, Campinas, Brazil, G. Falkenberg, HASYLAB at DESY, Hamburg, Germany; "Elemental Correlations and Phase Identification using X-ray Fluorescence and Automated Spectral Image Analysis Software," G.J. Havrilla, T. Miller, Los Alamos National Laboratory, Los Alamos, NM, M. Keenan, P. Kotula, Sandia National Laboratory, Albuquerque, NM; "Analysis of Art Objects and Other Delicate Samples: Is XRF Really Non-Destructive?," M. Mantler, Vienna University of Technology, Vienna, Austria.

Exhibits at the conference ran from Monday to Thursday where 41 companies displayed their various products and services for X-ray powder diffraction and X-ray fluorescence spectrometry. The following companies participated at the exhibits: AMPTEK, Inc.; ATPS, Inc.; Bede Scientific Incorporated; Blake Industries, Inc.; Bruker AXS, Inc.; Chemplex Industries, Inc.; Corporation Scientifique Claisse, Inc.; Del Power Conversion Group; EDAX, Inc.; F.A.I.R. Corp. (Fusion & Analytical Instrument Resources)/Spectrum Plus; GBC Scientific Equipment Pty Ltd.; Gresham Scientific Instruments LTD; Handley Analytical Services; Herzog Automation Corporation; Inel, Inc.; Initiative Scientific Products Australia Pty Ltd; Innov-x Systems, Inc.; International Centre for Diffraction Data (ICDD); Jordan Valley; Kratos Analytical, Inc.; Materials Data, Inc. (MDI); MOXTEK, Inc.; Osmic, Inc.; Oxford Cryosystems; Oxford Instruments; PANalytical (formerly Philips Analytical); Rigaku/MS, Inc.; Rocklabs Ltd.; Soft Imaging System Corp.; Spectro Analytical Instruments, Inc.; SPEX CertiPrep, Inc.; Technical Associates; Thales Components Corporation; Thermo ARL; Thermo Electron Corporation; Varian X-ray Products; Wiley; Xenocs; X-ray & Specialty Instruments, Inc.; X-ray Instrumentation Associates; X-ray Optical Systems, Inc. For contact information, a description of products and services, and a direct link to each exhibitor's web site, please visit the Denver X-ray Conference web page: www.dxcicdd.com.

Fortunately, conference week was not all work and no play. Attendees and their families enjoyed vendor-sponsored socials Sunday through Wednesday evening. Not only was there plenty of food and drink for everyone's delight, but the socials were also held in conjunction with the poster sessions. Attendees had the opportunity to sip their drinks and peruse the various presentations, speaking one-on-one with the lead authors. Combining science and socialization, the evening socials were a huge success. A special thank you goes out to the vendors who sponsored evening receptions: Bede Scientific, Bruker AXS, Corporation Scientifique Claisse, Materials Data, Inc., PANalytical, Rigaku/MS and SPEX CertiPrep.

For a detailed summary of the Conference Program, and a preview of the 2004 Program, please visit our web site at www.dxcicdd.com.

Denise Flaherty

Calendar of Meetings

Donald R. Petersen
Greenleaf Associates
6210 Siebert Street
Midland, MI 48640-2724
drpetersen@voyager.net

8–12 December 2003

American Geophysical Union Fall Meeting. San Francisco, California, USA. Immediately preceded by the IUCr/

COMPRES Workshop on High Pressure Structure and Reactivity (Berkeley, California; 4–7 December, 2003.) [Contact: E. Terry, AGU Meetings Department, 2000 Florida

Avenue NW, Washington, DC 20009, USA. Tel: 1 (202) 777 7335; Fax: 1 (202) 328 0566; E-mail: eterry@agu.org; Info: <http://www.agu.org/meetings/fm03>].

9–10 December 2003

Federov Session 2003. St. Petersburg, Russia. Held at the St. Petersburg Mining Institute, which houses one of the world's finest mineralogical museums. The meeting is dedicated to the celebration of the 150th birthday anniversary of E. S. Federov, the author of the theory of crystallographic space groups. The official languages of the session will be Russian and English, with simultaneous translation provided. [Info: <http://www.mineral.spmi.ru>].

8–10 January 2004

NSC-33 XXXIII National Seminar on Crystallography. Pune, India. [Contact: <http://www.ncl-india.org>].

22–27 February 2004

Dynamics of Disordered Materials on the Nanometer Scale. Hanoi, Vietnam. [Contact: Engineering Conferences International, Six MetroTech Center, Brooklyn, New York, NY 11201, USA. Tel: 1 (718) 260 3743; Fax: 1 (718) 260 3754; E-mail: info@eci.poly.edu; Info: <http://www.engconfintl.org/4ah.html>].

23–25 February 2004

Third Pharmaceutical Powder X-ray Diffraction Symposium. Hilton Head Island, South Carolina, USA. Sponsored by the International Centre for Diffraction Data. [Contact: Leah Mooney, 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: ppxrd@icdd.com; Info: <http://www.icdd.com/ppxrd>].

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>].

22–26 March 2004

ICDD Annual Spring Meeting. Newton Square, Massachusetts, USA. [Contact: Linda Schertz, 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: schertz@icdd.com; Info: <http://www.icdd.com>].

12–16 April 2004

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; Info: <http://www.mrs.org>].

25–30 April 2004

14th International Zeolite Conference. Cape Town, South Africa. The Conference is preceded by a School to be held in Kruger National Park; a post-Conference field trip will be

organized to natural zeolite deposits in South Africa. Organized by the International Zeolite Association and the Catalysis Societies of South Africa and India. [Contact: Mrs. Meg Winter, University of Cape Town Rondebosch, Department of Chemical Engineering, Cape Town 7701, South Africa. Tel: 27 (21) 650 2752; Fax: 27 (21) 689 7579; E-mail: izc@chemeng.uct.ac.za; Info: http://www.14izc.org.za/web_files/home.htm].

6–10 June 2004

Second American Conference on Neutron Scattering. College Park, Maryland, USA. [Contact: James Jorgensen (Argonne National Laboratory): jjorgensen@anl.gov; Info: <http://www.ncnr.nist.gov/ancs>].

19–24 June 2004

Clay Minerals Society Annual Meeting. Richland, Washington, USA. [Contact: Jim Amonette. Tel: 1 (509) 376 5565; Fax: 1 (509) 376 7972; E-mail: jim.amonette@pnl.gov; Info: <http://www.pnl.gov/cms>].

17–22 July 2004

ACA'04 American Crystallographic Association Annual Meeting. Chicago, Illinois, USA. [Contact: Bernie Santarsiero, bds@uic.edu; Karl Volz, kvolz@uic.edu; Info: <http://www.hwi.buffalo.edu/ACA>].

19–23 July 2004

20th General Conference of the Condensed Matter Division of the European Physical Society. Prague, Czech Republic. [Contact: KFES-CMD20, Faculty of Mathematics and Physics, Charles University, Ke Karlovu 5, 121 16 Praha 2, Czech Republic. Fax: 420 (2) 2191 1617; E-mail: cmd20@cmd.karlov.mff.cuni.cz; Info: <http://cmd.karlov.mff.cuni.cz/cmd>].

1–5 August 2004

Microscopy and Microanalysis 2004. Savannah, Georgia, USA. [Contact: MSA Meeting Manager, 7000 West Southwest Highway, Chicago Ridge, IL 60415, USA. E-mail: msameetingmanager@msa.microscopy.com; Info: <http://www.msa.microscopy.com>].

2–6 August 2004

53rd Annual Denver X-ray Conference. Steamboat Springs, Colorado, USA. [Contact: E-mail: dx@icdd.com; Info: <http://www.dxcicdd.com>].

23–27 August 2004

ICF9 International Conference on Ferrites. San Francisco, California, USA. [Contact: Alex Goldman. Tel: 1 (515) 294 3585; E-mail: ferritetec@aol.com; Info: <http://www.ceramics.org/meeting/ferrites/default.aps>].

25–31 August 2004

ECM-22 XXII European Crystallographic Meeting. Budapest, Hungary. Held at the ELTE Convention Centre, Eötvös Loránd University. [Contact: Conference Secretariat, Beáta Androsits, Hungarian Chemical Society, Főutca 68, H-1027 Budapest, Hungary. Tel: 36 (1) 201 6883; Fax: 36 (1) 201 8056; E-mail: ecm22.mke@mtesz.hu; Info: <http://www.ecm22.mtesz.hu>].

2–5 September 2004

EPDIC 9 Ninth European Powder Diffraction Conference. Prague, Czech Republic. Held at Charles University. [Contact: E-mail: kuzel@karlov.xray.cz/epdic; Info: <http://www.xray.cz/epdic>].

7–10 September 2004

X-TOP 2004 7th Biennial Conference on High Resolution X-ray Diffraction and Imaging. Prague, Czech Republic. Held at Průhonice Castle (near Prague.) [Contact: Info: <http://www.physics.muni.cz/kfpf/xtop>].

28 May–2 June 2005

American Crystallographic Association Annual Meeting. Orlando, Florida, USA. [Contact: Info: <http://www.hwi.buffalo.edu/ACA>].

23–31 August 2005

20th IUCr General Assembly and International Congress of Crystallography. Florence, Italy. [Contact: Congress

Secretariat, XX Congress IUCr, Dipartimento di Energetica, Università di Firenze, via S. Marta 3, 50139 Firenze, Italy. Tel: 39 (055) 479 6209; Fax: 39 (055) 479 6342; E-mail: iucr@iucr2005.it; Info: <http://www.iucr2005.it>].

28 November–2 December 2005

International Conference on Neutron Scattering. Sydney, Australia.

16–23 July 2006

7th International Conference on the Occurrence, Properties, and Utilization of Natural Zeolites. Socorro, New Mexico, USA. [Contact: Robert Bowman, New Mexico Institute of Technology, Socorro, New Mexico, USA. E-mail: bowman@nmt.edu].

Calendar of Short Courses & Workshops

4–7 December 2003

IUCr/COMPRES Workshop on High Pressure Structure and Reactivity: The Science of Change. Berkeley, California, USA. A workshop on the application of crystallographic techniques to the study of chemical reactions and phase transitions induced by high pressures. Includes a one-day Practicum (hands-on training) for high-pressure powder diffraction and high pressure infrared analyses. Immediately followed by the **American Geophysical Union Fall Meeting** in San Francisco. [Contact: Simon Clark (Lawrence Berkeley National Laboratory): Tel: 1 (510) 495 2442; Info: <http://www-esg.lbl.gov/esg/meetings/IUCrCHP0903>].

9–13 December 2003

International School on Crystal Growth, Characterization, and Applications. La Pedrera, Rocha, Uruguay. [Contact: Info: <http://www.iscgcha2003.fq.edu.uy>].

26 February 2004

Workshop on Instrument Calibration and Indexing. Hilton Head Island, South Carolina, USA. Sponsored by the International Centre for Diffraction Data. Held immediately following the **Third Pharmaceutical Powder X-ray Diffraction Symposium**. [Contact: Leah Mooney, 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: ppxrd@icdd.com; Info: <http://www.icdd.com/ppxrd>].

22–24 April 2004

School on Zeolites. Cape Town, South Africa. This school precedes the **14th International Zeolite Conference** in Cape Town, 25–30 April 2004. [Contact: Mrs. Meg Winter, University of Cape Town Rondebosch, Department of

Chemical Engineering, Cape Town 7701, South Africa. Tel: 27 (21) 650 2752; Fax: 27 (21) 689 7579; E-mail: izc@chemeng.uct.ac.za; Info: http://www.14izc.org.za/web_files/home.htm].

26–30 April 2004

ICDD X-ray Clinic: Practical X-ray Fluorescence Spectrometry. Newtown Square, Pennsylvania, USA. Sponsored by the International Centre for Diffraction Data. A week-long session directed to both relative newcomers and to more experienced users wishing to broaden their understanding of fundamental concepts and established procedures. Held in the ICDD Headquarters building. The \$1600 fee includes textbooks, laboratory notebook, use of computers and daily lunch. [Contact: Leah Mooney, Education 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: clinics@icdd.com; Info: <http://www.icdd.com/education/xrf.htm>].

2–4 June 2004

CCP13 13th Annual Fibre Diffraction and Noncrystalline Diffraction Workshop. Grenoble, France. An activity of the Collaborative Computational Project. [Contact: Info: <http://www.ccp13.ac.uk>].

7–11 June 2004

ICDD X-ray Clinic: I. Fundamentals of X-ray Powder Diffraction. Newtown Square, Pennsylvania, USA. Sponsored by the International Centre for Diffraction Data. A week-long session directed to both relative newcomers and to more experienced users wishing to broaden their understanding of fundamental concepts and established procedures. Held in the ICDD Headquarters building. The \$1600