

The Program of the Workshop
 “Teaching crystallography in the 21st Century” (Osaka, August, 23rd 2008)

Time	Name, Title	Affiliation, Address
9.00-9.05	Elena Boldyreva & Paola Spadon Opening Welcome. General Introduction	REC-008 Novosibirsk State University and Institute of Solid State Chemistry and Mechanochemistry SB RAS / University of Padova, Italy boldyrev@nsu.ru Paola.spadon@unipd.it
9.05-9.25	Eckhard Hitzer & Christian Perwass How to teach cubic symmetry groups, using the interactive Space Group Visualizer	Department of Applied Physics University of Fukui, Japan University of Kiel, Germany hitzer@mech.fukui-u.ac.jp
9.25-9.45	Maureen Julian Teaching through student presentations: "A Festival of Crystals." + Foundations of Crystallography with Computer Applications	Department of Materials Science and Engineering Virginia Tech, USA erie@vt.edu
9.45-10.10	Jordi Benet-Buchholz & Roald Boese A fingerprint method: teaching powder diffraction to non-crystallographers. An animated presentation for teaching powder diffraction methods	Institut Català d'Investigació Química Avgda. Països Catalans S/N E-43007 Tarragona jbenet@icmq.es
10.10-10.30	Tim White e-Learning & e-Teaching Tools in Crystal Chemistry Integrated with Virtual X-ray Diffraction (VXRD)	Nanyang Technological University, Singapore tjwhite@ntu.edu.sg
10.30-10.50	Mois Aroyo The Bilbao Crystallographic Server as a web-teaching tool	Física de la Materia Condensada Facultad de Ciencia y Tecnología Universidad del País Vasco Apartado 644 48080 Bilbao, Spain mois.aroyo@ehu.es
10.50-11.10	J. E. Warren, G. Diakun, G. Bushnell-Wye, S. Fisher, A. Thalal, M., Helliwell and J. R. Helliwell Science experiments via telepresence at a synchrotron radiation source facility	john.helliwell@manchester.ac.uk
11.10-11.30	Break	

11.30-12.10	Juan Manuel García Ruiz Activities for teaching crystal growth in schools using arcade games and simple labs experiments	Laboratorio de Estudios Cristalográficos juanma.garciaarui@gmail.com
12.10-12.40	Ivan Orlov Crystallography Teaching: from Space to Superspace', or 'Web based Tools in Teaching Superspace Crystallography	Laboratoire de Cristallographie 1(LCr1) Ecole Polytechnique Fédérale de Lausanne (EPFL) FSB-IPMC, BSP - Dorigny CH-1015 Lausanne Switzerland ivan.orlov@epfl.ch
12.40-13.10	Jim Britten Reciprocal space, as applied to single crystal, incommensurate, diffuse, polycrystalline texture	MAX Diffraction Facility McMaster University Hamilton, ON CANADA britten@mcmaster.ca
13.10-13.30	Valentina F. Degtyareva BRIZ: a visualization program for Brillouin zone – Fermi sphere configuration	Institute of Solid State Physics Russian Academy of Sciences Chernogolovka, 142432 Russia degtyar@issp.ac.ru
13.30-13.50	Break	
13.50-14.15	Prof. Susan Schorr Crystallography and geosciences	Free University Berlin Department of Earth Sciences Malteserstr. 74-100 D-12249 Berlin Germany http://www.geo.fu-berlin.de/en/index.html
14.15-14.35	Claude Sauter How are 3D images of biomolecules obtained? A short movie.	Institut de Biologie Moléculaire et Cellulaire (IBMC-ARN-CNRS) Equipe Cristallogénèse, Strasbourg – France c.sauter@ibmc.u-strasbg.fr
14.35-15.00	Mariusz Jaskolski, Andrzej Zielezinski, Julia Nosalska, Marcin Jakalski Accuracy and precision of PDB entries (and biology majors)	Department of Crystallography, Faculty of Chemistry, A. Mickiewicz University, Poznan, Poland; Center for Biocrystallographic Research, Institute of Bioorganic Chemistry, Polish Academy of Sciences, Poznan, Poland; Faculty of Biology, A. Mickiewicz University, Poznan, Poland mariuszj@amu.edu.pl
15.00-15.20	Cele Abad-Zapatero 'Bernal's Picasso'	Center for Pharmaceutical Biotechnology University of Illinois at Chicago e-mail: caz@uic.edu xtalp1@aol.com (personal)
15.20-15.30	Elena Boldyreva, Paola Spadon Closing words	