

Monday, 7 august 2006 - morning

08.30-09.30	AULA P. DE SOMER	AULA MAGNA
	P1 Thomas Schneider (FIRC Insitute of Molecular Oncology Foundation, Italy & European Institute of Oncology, Italy) Making use of coordinate uncertainties in structure comparison Chair: Anette Henriksen	P2 David Rafaja (Inst. of Materials Science, TU Bergakademie, Germany) XRD on nanocrystalline materials - the capability and information content Chair: Jordi Rius
09.30-10.00	COFFEE BREAK - sponsored by QIAGEN Benelux	
10.00-12.00	MAGRITTE ROOM	DELVAUX ROOM
	<i>MS1: Crystal growth in convection free environments: gels, microfluids and microgravity</i> Chair: Juan María García Ruiz, Co-chair: Elias Vlieg	<i>MS23: Instrumentation and experimental techniques for applications to symmetry, charge and orbital studies</i> Chair: Rino Natoli, Co-chair: Marc Schiltz
	10h00 m1.o1 Manuel Prieto (Department of Geology, University of Oviedo, Spain) An overview of crystallization in gels	10h00 m23.o1 Vladimir E. Dmitrienko (Institute of Crystallography, Moscow, Russia) Symmetry and physical aspects of the near-edge resonant "forbidden" reflections
	10h30 m1.o2 Katsuo Tsukamoto (Graduate School of Science, Tohoku University, Japan) Why space crystallisation? Answers based on experimental results	10h30 m23.o2 Yves Joly (Laboratoire de Cristallographie, Grenoble, France) Study of charge ordering by resonant diffraction
	11h00 m1.o3 Zhijun Hu (Laboratoire de chimie et de physique des hauts polymères (POLY), Université Catholique de Louvain, Belgium) Locally controlling the orientation of polymer crystals by nanoimprint lithography	11h00 m23.o3 Emilio J. Lorenzo (Laboratoire de Cristallographie, Grenoble, France) Charge order as seen by resonant X-ray scattering: crystallography in the twilight zone
	11h20 m1.o4 Paul W.G. Poodt (Radboud university Nijmegen, The Netherlands) Microgravity crystal growth in a magnet	11h20 m23.o4 Helen F. Gleeson (School of Physics and Astronomy, University of Manchester, Manchester, UK) Elucidating the structure of liquid crystal phases using resonant x-ray scattering
	11h40 m1.o5 Satoshi Sano (Japan Aerospace Exploration Agency, Japan) High-quality protein crystallization in space by JAXA-GCF Project	

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10.00-12.00	ENSOR ROOM	VAN EYCK ROOM
	<i>MS26: Crystal design and functional crystals</i> Chair: Juerg Hulliger, Co-chair: Andrzej Katrusiak	<i>MS30: Advances in powder diffraction: structural aspects</i> Chair: Robert Cernik, Co-chair: Christine Kirschhock
	10h00 m26.o1 Susumu Kitagawa (Kyoto University, Katsura, Kyoto, Japan) Porous coordination polymers with structural regularity and flexibility	10h00 m30.o1 Maryjane Tremayne (School of Chemistry, University of Birmingham, UK) 'Pushing the boundaries' of evolutionary algorithms in SDPD - A cultural differential evolution approach
	10h30 m26.o2 Gion Calzaferri (University of Bern, Bern, Switzerland) Organizing supramolecular functional dye-zeolite crystals	10h30 m30.o2 Lynne B. McCusker (Laboratory of Crystallography, ETH Hönggerberg, Zürich, Switzerland) Deciphering the structural information in a zeolite powder diffraction pattern
	11h00 m26.o3 Noriaki Hirayama (Tokai University School of Medicine, Kanagawa, Japan) Molecular mechanism of dielectrically controlled optical resolution (DCR)	11h00 m30.o3 Jordi Rius (Institut de Ciencia de Materials de Barcelona (CSIC), Bellaterra, Spain) Analysis of structure factors of zeolitic materials.
	11h20 m26.o4 Shinya Matsumoto (Yokohama National University, Japan) Structural and energetic comparison among the stable forms in a polymorphic system of 2,5-diamino-3,6-dicyanopyrazine dyes: the approach toward clarification of polymorph occurrence	11h20 m30.o4 Davide Viterbo (DiSTA, Univ. Piemonte Orientale, Alessandria, Italy) An in situ simultaneous Raman-Synchrotron X-ray diffraction study at non ambient conditions: experimental setup and applications
	11h40 m26.o5 Norwid-Rasmus Behrnd (University of Berne, Switzerland) (trans)-4-Chloro-4'-nitrostilbene - a detailed structure analysis of a polar material.	11h40 m30.o5 John R. Helliwell (Department of Chemistry, The University of Manchester, Manchester, England) Ab initio structure solution of powder samples by anomalous dispersion techniques

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10.00-12.00	BREUGHEL ROOM	RUBENS ROOM
	<i>MS37: SAXS and SANS</i> Chair: Michel Koch, Co-chair: Harry Reynaers	<i>MS43: Molecular crystallography under non-ambient conditions</i> Chair: Annie Powell, Co-chair: Daniel Chasseau
	10h00 m37.o1 Véronique Receveur-Brechot (AFMB-CNRS, Marseille, France) Structural analysis of multi-enzymatic complexes by small angle X-ray scattering	10h00 m43.o1 Sébastien Pillet (LCM3B, UHP Nancy I, Faculté des sciences, Vandoeuvre les Nancy, France) Structural investigation of light-induced metastable states
	10h30 m37.o2 Dimitri A. Ivanov (Institut de Chimie des Surfaces et Interfaces, Mulhouse, France) Polymer Melting versus Crystallization: a combined small-angle X-ray scattering and atomic force microscopy study	10h30 m43.o2 Andrew Harrison (School of Chemistry and EastChem, The University of Edinburgh, Edinburgh, UK) Tuning the structure and magnetism of model systems under pressure
	11h00 m37.o3 George Wignall (Center for Neutron Scattering, Oak Ridge National Laboratory, Oak Ridge, USA) New SANS Instruments at the Oak Ridge High Flux Isotope Reactor and Spallation Neutron Source.	11h00 m43.o3 Ross J. Angel (Virginia Tech Crystallography Lab, Virginia Tech, Blacksburg, USA.) High pressure as a tool to study structure and function of molecular crystals
	11h20 m37.o4 Heike Bunjes (Friedrich-Schiller-Universität Jena, Institute of Pharmacy, Jena, Germany) Investigation of dynamic processes in lipid-based nanoparticulate drug carrier systems with small and wide angle X-ray diffraction	11h20 m43.o4 Sophia Petrova (Institute of Metallurgy UD RAS, Ekaterinburg, Russia) Stability of the Nanocrystalline $\text{LaMnO}_{3\pm\delta}$ under non-ambient condition
	11h40 m37.o5 Cédric J. Gommès (University of Liège, Department of Chemical Engineering, Belgium) Role of co-reactants during the formation of silica gels assessed by in situ SAXS	11h40 m43.o5 Dirk Poelman (Vakgroep Vaste-Stofwetenschappen, Universiteit Gent, Gent, Belgium) In-situ X-ray diffraction measurements for monitoring carbide and silicide phase formation
12.00-13.30	LUNCH BREAK	

Monday, 7 august 2006 - afternoon

13.30-15.30	MAGRITTE ROOM	DELVAUX ROOM
	<i>MS2: Structural genomics, high-throughput and crystallisation and visualisation.</i> Chair: Neil Isaacs, Co-chair: Naomi Chayen	<i>MS12: Interface of nano and bio-systems.</i> Chair: Oskar Paris, Co-chair: Dominique Schrijvers
	13h30 m2.o1 Jochen Müller-Dieckmann (EMBL-Hamburg, Hamburg, Germany) The new High-Throughput Crystallization at the EMBL-Hamburg	13h30 m12.o1 Mihály Pósfai (Dept. of Earth and Environmental Sciences, University of Veszprém, Hungary) Nanoscale magnetic properties of iron minerals in bacteria
	14h00 m2.o2 Thomas Friedlander (FMP Products, Inc, Rye Brook, N.Y. USA) A new technique and device for 3D imaging of crystals while still in solution	14h00 m12.o2 Helga C. Lichtenegger (Institute of Materials Science and Technology, Vienna University of Technology, Austria) Biomineralization and self-assembled nanostructures - structure determination and material properties
	14h30 m3.o3 Leigh Rees (Oxford Diffraction Limited, Abingdon, Oxfordshire, UK) A novel instrument for in-situ X-ray inspection of protein crystals in multi-well plates	14h30 m12.o3 A.Cedola (Istituto di Fotonica e Nanotecnologie - CNR, Roma, Italy) X-ray microdiffraction for engineered bone study: scaffold resorption analysis
	14h50 m2.o4 Kurt M.V.Hoffmann (Institute of Molecular Biotechnology, RWTH-Aachen University, Germany) A process for the rational crystallization of biological macromolecules	14h50 m12.o4 Giuseppe Falini (Department of Chemistry "G. Ciamician", University of Bologna, Italy) The organization of the organic structural framework in the enamel biomineralization processes
	15h10 m2.o5 Andrew May (Fluidigm Corporation, South San Francisco, CA, USA) Microfluidic chips for parallelized analytical crystallization	15h10 m12.o5 Heinz Amenitsch (Institute of Biophysics and X-ray Structure Research, Austrian Academy of Sciences, Graz, Austria) Time-resolved fibre diffraction on human arteries during tensile testing and nanostructure correlation to mechanical behavior

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13.30-15.30	ENSOR ROOM	VAN EYCK ROOM
	<i>MS13: Understanding molecular interactions.</i> Chair: Claude Lecomte, Co-chair: Paola Gilli	<i>MS24: X-ray tomography</i> Chair: Tilo Blaumbach, Co-chair: Peter Cloetens
	13h30 m13.o1 Gautam R. Desiraju (School of Chemistry, University of Hyderabad, India) Halogen...halogen interactions in hexahalogenated benzenes	13h30 m24.o1 Joachim Ohser (University of Applied Sciences, Darmstadt, Germany) Measurement of features from tomographic images of materials structures
	14h00 m13.o2 Enrique Espinosa (Université de Bourgogne, Dijon, France) The relationship between the molecular structure and the chemical properties: What about the topological analysis of the electron density distribution? An application to hydrogen bonds	14h00 m24.o2 Bert Müller (Computer Vision Lab, ETH Zürich, Switzerland) Absorption-contrast synchrotron-radiation-based micro computed tomography in medicine, biology, and materials science
	14h30 m13.o3 E. James Milner-White (Institute of Biomedical and Life Sciences, University of Glasgow, UK) Peptide plane flipping provides an explanation why Alpha-Sheet is a likely conformation for the amyloid prefibrillar intermediate	14h30 m24.o3 Peter Modregger (Institut für Physik, Humboldt-Universität zu Berlin, Germany) Phase sensitive micro-tomography with asymmetric Bragg reflection
	14h50 m13.o4 Frédéric Arod (Laboratoire de Cristallographie, École Polytechnique Fédérale de Lausanne, Switzerland) Phase transitions, polymorphism and photochromism of salicylideneaniline	14h50 m24.o4 Christian David (Paul Scherrer Institut, Switzerland) Phase contrast imaging and tomography with hard X-rays and cold neutrons
	15h10 m13.o5 Ivan Glukhov (A.N. Nesmeyanov Institute of Organoelement Compounds, RAS, Moscow, Russian Federation) Analysis of strong and weak inter- and intramolecular interactions in the crystals of carborane derivatives	15h10 m24.o5 Manuel Dierick (Dep. of Subatomic and Radiation Physics, Ghent University, Ghent, Belgium) UGCT: the new CT facility of the Ghent University (Belgium)

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13.30-15.30	BREUGHEL ROOM	RUBENS ROOM
	<i>MS7b: Hot structures in protein crystallography</i> Chair: Anders Liljas, co-chair: Sergei Strelkov	<i>MS38: Crystallography of nanotubes and fullerenes</i> Chair: Karl Michel, Co-chair: Gabor Oszlanyi
	13h30 m7b.o1 Eric Ennifar (CNRS UPR 9002, France) Aminoglycoside binding to hiv-1 dis rna kissing-loop complex: from crystals to cells	13h30 m38.o1 Pascale Launois (Laboratoire de Physique des Solides, Université Paris Sud, France) Macroscopic assemblies of aligned nanotubes studied by X-ray diffraction and microdiffraction
	14h00 m7b.o2 Stéphane Bressanelli (Virologie Moléculaire et Structurale, CNRS 2472 INRA 1157, Gif-sur-Yvette, France) Structures of VSV glycoprotein ectodomain in both pre- and post- membrane fusion conformation	14h00 m38.o2 Sandor Pekker (Research Institute for Solid State Physics and Optics, Budapest, Hungary) Recognition-controlled molecular crystals of fullerenes with cubane
	14h30 m7b.o3 Rob Meyers (Harvard Medical School, Boston, MA, USA) Structural Basis of Dscam Isoform specificity	14h30 m38.o3 Serena Margadonna (School of Chemistry and Centre for Science at Extreme Conditions, University of Edinburgh, UK) Mixed interfullerene bonding motifs in C ₆₀ based polymers
	14h50 m7b.o4 Katja Schirwitz (European Molecular Biology Laboratory, c/o DESY, Hamburg, Germany) High-resolution structure of the cofactor regenerator formate dehydrogenase from candida boidinii	14h50 m38.o4 Bart Verberck (Department of Physics, University of Antwerp, Antwerp, Belgium) Nanotube field of C ₆₀ and C ₇₀ molecules in carbon nanotubes
	15h10 m7b.o5 Carlos Frazão (Universidade Nova de Lisboa, Instituto de Tecnologia Química e Biológica, 2781-901 Oeiras, Portugal) Structure of a spherical selfcompartmentalizing sulphur cycle metalloenzyme	15h10 m38.o5 Hakim Amara (LPS, FUNDP, Belgium) Role of the catalyst in the synthesis of carbon nanotubes
15.30-17.00	POSTER SESSION 1 Odd numbers	
17.00-18.00	AULA P. DE SOMER	AULA MAGNA
	P3 Justin Wark (Department of Physics, Clarendon Laboratory, University of Oxford, UK) Femtosecond X-ray diffraction. Chair: John Helliwell	P4 Clivia Hejny (Mineralogical Institute, University of Heidelberg, Germany) Incommensurate high-pressure and high-temperature structures in group VI elements Chair: Alain Polian