

New Developments in Time-Resolved Studies with Synchrotron Radiation

7-9-10 February 2011

Venue: ILL Chadwick Amphitheatre

Programme

Monday, 7 February 2011		
12:30-13:30	<i>Lunch at the ESRF/ILL restaurant</i>	
13:30-14:00	Registration at the ILL	
14:00-18:30	Session 1: Ultrafast Pump-Probe Experiments Chair: Michael Wulff/Savo Bratos	
14:00	Structural Dynamics in Nanoscale Systems	Anton Plech Inst. of Technology Karlsruhe (Germany)
14:30	Chemical Reactions of Small Molecules in Solution studied by Ultrafast (ps) X-ray Scattering	Qingyu Kong Synchrotron SOLEIL Paris (France)
15:00	Tracking Chemical Reactions in Solution by Time-Resolved X-ray Scattering	Kristoffer Haldrup University of Copenhagen (Denmark)
15:30	Recordings of Gating Motions of the KcsA Potassium Channels in a Single Molecule Level	Hirofumi Shimizu University of Fukui (Japan)
16:00-16:30	<i>Coffee break</i>	
16:30	Time-Resolved X-ray Scattering and Spectroscopy in Solution: From the Investigation of Conformational Changes in Proteins to the Investigation of Chemical Dissociation Reactions	Simone Techert Max Planck Institute Göttingen (Germany)
17:00	Ultrafast Spin Transitions in Solids by Time-Resolved X-ray Diffraction	Maciej Lorenc University of Rennes (France)
17:30	Time-Resolved Studies of Levitated Liquids at High Temperatures	Louis Hennet CNRS Orléans (France)
18:00	X-ray Femtochemistry: Mapping the Electronic Structure of Molecules during Chemical Reactions with X-ray Spectroscopy	Philippe Wernet Helmholtz Zentrum Berlin (Germany)
19:00-20:00	<i>Dinner at the ESRF/ILL restaurant</i>	

Tuesday, 8 February 2011		
09:00-12:30	Users' Meeting Morning Session in the ESRF Auditorium	
12:30-14:00	<i>Lunch at the ESRF/ILL restaurant</i>	
14:00-18:00	Parallel Sessions	
18:00-20:00	Joint Poster Session & Cocktail	
20:00-22:30	<i>Users' Meeting Dinner at the ESRF/ILL restaurant</i>	

Wednesday, 9 February 2011		
09:00-12:30	Users' Meeting Morning Session in the ESRF Auditorium	
12:30-14:00	<i>Lunch at the ESRF/ILL restaurant</i>	

14:00-16:00	Session 2: Millisecond-SAXS Chair: Narayan Theyencheri	
14:00	Investigations by Stopped-Flow SAXS Experiments on Determining the Pathways of Structural Transitions in Amphiphilic Systems	Michael Gradzielski Technische Universität Berlin (Germany)
14:30	Kinetics in Micelle Solutions seen by Time-Resolved Small-Angle Scattering Techniques	Reidar Lund Donostia International Physics Center San Sebastian (Spain)
15:00	Nucleation and Growth of Gold Nanoparticles: Why Coupling SAXS and XANES at the Millisecond Resolution is Crucial	Olivier Spalla CEA Saclay (France)
15:30	Early Formation of Amyloid Protofibrils	Francesco Spinozzi Polytechnic University of Marche, Ancona (Italy)
16:00-16:30	<i>Coffee break</i>	
16:30-17:30	Session 3: Imaging Chair: Marco Di Michiel	
16:30	Studying the Dynamics of Foams and Semisolid Melts by Ultrafast X-ray Imaging	John Banhart Helmholtz Center Berlin (Germany)
17:00	High Speed X-ray Particle Tracking	Ralf Seemann Saarland University (Germany)
19:30-22:30	<i>Workshop Dinner at the restaurant Le Provence, Corenc</i>	

Thursday, 10 February 2011		
08:30-10:30	Session 4: Spectroscopy Chair: Pieter Glatzel	
08:30	Femtosecond and Picosecond X-ray Spectroscopies	Christian Bressler European XFEL Hamburg (Germany)
09:00	From Oscillation to Modulation: Identifying Dynamic Structural Changes in Catalysts with Sub-Second XAS	Maarten Nachtegaal PSI Villigen (Switzerland)
09:30	Time-Resolved XAS Experiments at the Swiss Light Source: Present Status and Future	Renske van der Veen Ecole Polytechnique Fédérale de Lausanne (Switzerland)
10:00	X-ray Spectroscopy of Warm Dense Matter: Design and a First Proof of Principle on Iron	Carlo Marini ESRF Grenoble (France)
10:30-11:00	<i>Coffee break</i>	
11:00-12:30	Session 5: Materials Science Chair: Gavin Vaughan	
11:00	Domain Dynamics in Bulk Electro-Ceramic Materials	John E. Daniels University of New South Wales (Australia)
11:30	Ultrafast Studies of Inorganic Materials during Fast Syntheses	Xavier Turrillas CISC Madrid (Spain)
12:00	In-situ PDF Studies	Alain Reza Yavari Institut National Polytechnique de Grenoble (France)
12:30-14:00	<i>Lunch at the ESRF/ILL restaurant</i>	