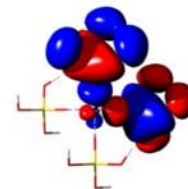


New Possibilities for Chemical Studies



9 & 11 February 2015

Monday, 9th February – Tutorials – 15:00 → 18:30

15:00 – 15:30	Onsite Laboratories/Facilities: F. Comin – Auditorium (common session)	
	Tutorials in the ILL Chadwick Amphitheatre	
15:30 – 16:50 Tutorial 1	Introduction to PDF Analysis	Michela Brunelli and Andrea Bernasconi , ESRF
16:50 – 17:10	<i>Coffee break in the ILL entrance hall</i>	
17:10 – 18:30 Tutorial 2	Introduction to X-ray Emission (XES, RIXS) and X-ray Raman Spectroscopy	Marco Moretti and Pieter Glatzel , ESRF
18:30 – 20:30	<i>Wine & cheese in the marquee</i>	

Wednesday, 11th February – Microsymposium – 9:00 → 16:00 ILL Chadwick Amphitheatre

09:00 – 09:05	Introduction by the organizers Michela Brunelli and Pieter Glatzel	
09:05 – 09:50	Keynote Talk 1: Chemical Imaging using X-ray Diffraction computed Tomography to Tackle everyday Problems in Heterogeneous Catalysis	Andrew M. Beale UK Catalysis @ RCaH/UCL Chemistry, UK
09:50 – 10:05	Probing Reactive Platinum Sites in UiO-67 Zirconium Metal-organic Frameworks	Kirill Lomachenko University of Turin, Italy
10:05 – 10:20	Time and Space Resolved X-ray Diffraction for Catalytic Reactor Studies	Davis S. Wragg Centre of Research Based Innovation, Oslo, Norway
10:20 – 10:35	Anomalous GISAXS for Chemical Studies	Christine Revenant CEA, INAC, Grenoble, France
10:35 – 11:00	<i>Coffee break in the ILL entrance hall</i>	
11:00 – 11:45	Keynote Talk 2: Resonant and Non-resonant X-ray Emission Spectroscopic Studies of Biological Catalysis	Serena de Beer Max Planck Institute Muelheim, Germany
11:45 – 12:00	Electronic and Atomic Structure of Hg-thiolate Complexes with L ₃ -edge high-resolution X-ray Absorption Spectroscopy	Alain Manceau ISTerre, Univ. Grenoble Alpes and CNRS, France
12:00 – 12:15	In Situ site-selective K-edge XAS: New Insights into the Transformation of Monometallic Compounds	Amelie Bordage ICMMO, Université Paris- Sud, France
12:15 – 12:30	Probing “invisible” Gold in Synthetic Base Metal Sulfides by X-ray Absorption Spectroscopy	Boris R. Tagirov IGEM RAS, Moscow, Russia
12:30 – 14:00	<i>Lunch</i>	

14:00 – 14:45	Keynote Talk 3: Identifying Key Aspects of Materials during Reactions and Transformations: Spectroscopy under Extreme Conditions and Using Transient Technique with Advanced Data Analysis	Atsushi Urakawa Institute of Chemical Research of Catalonia, Spain
14:45 – 15:00	Operando RIXS, XANES and K β XES Study of Mn in LSM Electrodes	Marie Lund Traulsen Technical University of Denmark, Lyngby
15:00 – 15:15	Mechanisms of Electrocatalytic and Photo-Electrocatalytic Reactions by is Operando X-ray Absorption Spectroscopy	Elisabetta Achilli Università di Pavia, Italy
15:15 – 15:30	Crystallography on Different Length Scales: the case of Doped Ceria Compounds	Mauro Coduri National Centre of Research, Lecco, Italy
15:30 – 15:45	Hydride Formation in Pd Nanoparticles probed by Pd K-edge XAS and XRPD	Aram L. Bugaev Southern Federal University, Rostov-on-Don, Russia
15:45 – 16:00	BL updates from ESRF staff	
16:00 – 16:30	Guided discussion & closing	
16:30	<i>End of meeting</i>	