



Joining details via Meeting Mojo to follow

<h2 style="text-align: center;">Day 1</h2> <h1 style="text-align: center;">Wednesday 17th March</h1>	
14:00	<p><u>Welcome</u> Dr. Tom Penfold, Newcastle University Dr. Sofia Diaz-Moreno, Diamond Light Source</p>
14:15	<p><u>Keynote 1</u> Dr. Robert Baker, Trinity College Dublin 'A Study of Uranium Minerals: a playground for experiment and theory'</p>
15:00	<p><u>Coffee Break</u> Networking session</p>
15:15	<p><u>Presentation</u> Svetlana Gutorova, Lomonosov Moscow State University 'Complexation of UO₂²⁺ by 1,10-phenantroline-2,9-dicarboxamides'</p>
15:40	<p><u>Keynote 2</u> Dr. Daniel Bowron, Science and Technologies Facilities Council 'Bulk and Local Structure in a 1M Aqueous Solution of Uranyl Chloride via Structure Refinement of Neutron Diffraction and EXAFS spectroscopy Data'</p>
16:25	<p><u>Coffee Break</u> Networking session</p>
16:45	<p><u>Keynote 3</u> Prof. Enrique Sánchez Marcos, University of Sevilla 'Combining X-ray Absorption Spectroscopies and Computer Simulations to Solve the Structural Description of Radioactive Cations in Water'</p>
17:30	<p><u>Close</u></p>

Day 2

Thursday 18th March

10:00	<u>Welcome and networking</u> Facilitated by Tom Penfold and Sofia Diaz-Moreno
10:15	<u>Keynote 4</u> Dr. Amélie Bordage, University of Paris-Saclay 'Transition metal K-edge XMCD and Prussian Blue Analogs: A new approach for old questions'
11:00	<u>Coffee Break</u> Networking session
11:15	<u>Keynote 5</u> Prof. Dorota Koziej, University of Hamburg 'Photon-in-photon-out hard X-ray spectroscopy in nanomaterials research'
12:00	<u>Lunch</u>
13:00	<u>Presentations</u> Samuel Hall, University of Warwick 'First-principles simulation of core-level spectroscopy to reveal the nature of chemical bonding at metal-organic interfaces' Cheng-Tai Kuo, Stanford Synchrotron Radiation Lightsource 'A resonant inelastic X-ray scattering study of Al ₂ O ₃ /TiO ₂ heterostructures that exhibit two-dimensional electron system behaviours' Victor Kimberg, KTH Royal Institute of Technology, Sweden 'Theory of RIXS for study local nuclear dynamics in molecules'
14:15	<u>Coffee Break</u> Networking session
14:30	<u>Presentations</u> Francesco Tavani, Sapienza University of Rome 'Caught while reacting: organic chemical reactivity accessed by combining XAS with multivariate and theoretical techniques' Myron Huzan, University of Manchester 'Spectroscopic elucidation of 3d ² -4s hybridization and metal to ligand charge transfer in linearly coordinated transition metal complexes'
15:20	<u>Coffee Break</u> Networking session
15:30	<u>Keynote 6</u> Prof. Alexander Soldatov, Southern Federal University, Russia 'Improved quantitative analysis of XANES spectra by using machine learning algorithms'

16:15	<u>Poster Session and Drinks</u>
17:30	<u>Close</u>

Day 3

Friday 19th March

10:00	<u>Welcome and networking</u> Facilitated by Tom Penfold and Sofia Diaz-Moreno
10:30	<u>Keynote 7</u> Dr. Silvia Ramos, University of Kent 'Directional order studied by HERFD XAS and XES'
11:15	<u>Coffee Break</u> Networking session
11:30	<u>Presentations</u> Tae-Kyu Choi, European XFEL 'Femtosecond energy transfer in Fe(II)-Co(III) photocatalyst directly observed with X-ray emission spectroscopy' Nathalie Fernando, University College London 'Structural and Electronic Effects of X-ray Radiation on Prototypical Catalysts'
12:30	<u>Lunch</u>
13:30	<u>Presentations</u> Steven Delhommaye, IMPMC, Sorbonne Université 'Assessing Quantum Thermal Nuclei Fluctuations On Multipolar Contributions In Core Level Spectroscopy' Kamal Chinnathambi, Stockholm University 'Hydrogen bonding arrangement of water on TiO ₂ (110) surface from core-level binding energy' Martina Fracchia, University of Pavia 'Understanding solid-gas reaction mechanisms by operando soft-XAS absorption spectroscopy at ambient pressure'
14:45	<u>Coffee Break</u> Networking Session
15:00	<u>Keynote 8</u> Prof. Paola D'Angelo, Sapienza University of Rome 'Unrevealing the structure of disordered systems using the X-ray Absorption Spectroscopy'
15:45	<u>Closing Remarks</u>