



Joining details via Meeting Mojo to follow

## Day 1

### Wednesday 17<sup>th</sup> March

14:00	<p><b><u>Welcome</u></b> Dr. Tom Penfold, Newcastle University Dr. Sofia Diaz-Moreno, Diamond Light Source</p>
14:15	<p><b><u>Keynote 1</u></b> Dr. Robert Baker, Trinity College Dublin 'A Study of Uranium Minerals: a playground for experiment and theory'</p>
15:00	<p><b><u>Coffee Break</u></b> Networking session</p>
15:15	<p><b><u>Presentation</u></b> Svetlana Gutorova, Lomonosov Moscow State University 'Complexation of UO<sub>2</sub><sup>2+</sup> by 1,10-phenanthroline-2,9-dicarboxamides'</p>
15:40	<p><b><u>Keynote 2</u></b> 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><b><u>Coffee Break</u></b> Networking session</p>
16:45	<p><b><u>Keynote 3</u></b> 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><b><u>Close</u></b></p>

# Day 2

## Thursday 18<sup>th</sup> March

10:00	<b>Welcome and networking</b> Facilitated by Tom Penfold and Sofia Diaz-Moreno
10:15	<b>Keynote 4</b> Dr. Amélie Bordage, University of Paris-Saclay 'Transition metal K-edge XMCD and Prussian Blue Analogs: A new approach for old questions'
11:00	<b>Coffee Break</b> Networking session
11:15	<b>Keynote 5</b> Prof. Dorota Koziej, University of Hamburg 'Photon-in-photon-out hard X-ray spectroscopy in nanomaterials research'
12:00	<b>Lunch</b>
13:00	<b>Presentations</b> 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 <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> 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	<b>Coffee Break</b> Networking session
14:30	<b>Presentations</b> 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 <sub>z</sub> <sup>2</sup> -4s hybridization and metal to ligand charge transfer in linearly coordinated transition metal complexes'
15:20	<b>Coffee Break</b> Networking session
15:30	<b>Keynote 6</b> Prof. Alexander Soldatov, Southern Federal University, Russia 'Improved quantitative analysis of XANES spectra by using machine learning algorithms'

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

# Day 3

## Friday 19<sup>th</sup> March

<b>10:00</b>	<b><u>Welcome and networking</u></b> Facilitated by Tom Penfold and Sofia Diaz-Moreno
<b>10:30</b>	<b><u>Keynote 7</u></b> Dr. Silvia Ramos, University of Kent 'Directional order studied by HERFD XAS and XES'
<b>11:15</b>	<b><u>Coffee Break</u></b> Networking session
<b>11:30</b>	<b><u>Presentations</u></b> 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'
<b>12:30</b>	<b><u>Lunch</u></b>
<b>13:30</b>	<b><u>Presentations</u></b> 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 <sub>2</sub> (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'
<b>14:45</b>	<b><u>Coffee Break</u></b> Networking Session
<b>15:00</b>	<b><u>Keynote 8</u></b> Prof. Paola D'Angelo, Sapienza University of Rome 'Unrevealing the structure of disordered systems using the X-ray Absorption Spectroscopy'
<b>15:45</b>	<b><u>Closing Remarks</u></b>