

ISIS Crystallography User Group Meeting

PCG/SCMP Winter Meeting 2014

“100 Years of Physical Crystallography”

The ISIS crystallography user group meeting is held at Cosener's House, Abingdon in conjunction with the winter meeting of the Physical Crystallography Group of the British Crystallographic Association and the Structural Condensed Matter Physics Group of the Institute of Physics.

Monday 10th November 2014

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| 12:15 – 13:00 | <i>Buffet Lunch</i> |
| 13:00 – 13:10 | ISIS Crystallography User Group Chair's Welcome
<i>Anthony Powell (Reading)</i> |
| 13:10 – 13:40 | ISIS Facility Update
<i>Zoe Bowden (ISIS)</i> |
| 13:40 – 14:00 | ISIS Crystallography Update
<i>Steve Hull (ISIS)</i> |
| 14:00 – 14:15 | The WISH diffractometer – Recent developments and Science
<i>Pascal Manuel (ISIS)</i> |
| 14:15 – 14:30 | μ SR: what it's all about
<i>Fiona Coomer (ISIS)</i> |
| 14:30 – 14:50 | Discussion |
| 14:50 – 15:30 | Neutron diffraction as a tool to investigate the behaviour of thermoelectric materials
<i>Paz Vaqueiro (Reading)</i> |
| 15:30 – 16:00 | <i>Tea</i> |
| 16:00 – 16:15 | The search for novel compounds for carbon capture and storage
<i>Matt Dunstan (Cambridge)</i> |
| 16:15 – 16:30 | Predicting crystallisation propensity of small molecules
<i>Jerome Wicker (Oxford)</i> |
| 16:30 – 16:45 | Impurities in Spin Ice Crystals
<i>Gabriele Sala (RHUL)</i> |
| 16:45 – 17:25 | Probing the structure and dynamics of Li-ion battery electrode materials
<i>Serena Corr (Glasgow)</i> |
| 18:00 – 19:30 | <i>Posters followed by Dinner</i> |

Tuesday 11th November 2014

- 9:10 – 9:50 Bragg Coherent Diffraction Imaging and Dynamics with an XFEL
Marcus Newton (Southampton)
- 9:50 – 10:30 XPDF: A dedicated X-ray pair distribution function beamline at Diamond
Phil Chater (Diamond)
- 10:30 – 11:05 *Coffee*
- 11:05 – 11:20 Recent archeometry results from the INES diffractometer
Antonella Scherillo (ISIS)
- 11:20 – 11:35 Porous Metal-Organic Frameworks for Gas Separations
Sihai Yang (Nottingham)
- 10:35 – 11:50 Twist to Unlock: Magnetisation and polarisation at room temperature by structural control of a layered perovskite
Mike Pitcher (Liverpool)
- 11:50 – 12:30 'Frustration, hidden order, and emergence in non-magnetic inorganic salts
Andrew Goodwin (Oxford)
- 12:30 – 13:10 Crystallographic studies of piezoelectricity
Mike Glazer (Oxford)
- 13:10 *Close and Buffet Lunch*