

ISIS Crystallography User Group Meeting

PCG/SCMP Winter Meeting

“New Results from New Facilities”

The ISIS crystallography user group meeting is being held in conjunction with the winter meeting of the Physical Crystallography Group of the British Crystallographical Association and the Structural Condensed Matter Physics Group of the Institute of Physics. The meeting is themed “New Results from New Facilities”.

The meeting will take place at the Cosener’s House, Abingdon, 5-6th November 2009.

Draft Programme

Thursday 5th November

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| 12:15 – 13:00 | <i>Buffet Lunch</i> |
| 13:00 | Chairman’s Welcome
<i>Phil Lightfoot (St Andrews)</i> |
| 13:10 – 13:40 | ISIS Facility Update
ISIS performance
TS2
Funding and future running
TS1 upgrade
ESS
<i>Robert McGreevy (ISIS)</i> |
| 13:40 – 14:10 | Crystallography Update
Instrumentation (WISH, Polaris, Pearl)
TS2 Phase 2 (LMX, IMAT)
Software Update – Mantid
Staff Update
<i>Laurent Chapon (ISIS)</i> |
| 14:10 – 15:00 | Discussion |
| 15:00 – 15:40 | “Controlling the structures and properties of layered chalcogenides and pnictides”
<i>Simon Clarke (Oxford)</i> |
| 15:40 – 16:10 | <i>Tea</i> |
| 16:10 – 17:00 | Contributed talks (3) |
| 17:00 – 17:40 | “Diffraction studies of hydrogen storage materials”
<i>Martin Jones (Oxford)</i> |
| 18:00 – 19:30 | <i>Posters followed by Dinner</i> |

Friday 6th November

- 9:00 – 9:40 “Big squeeze, recent developments in high-pressure single crystal diffraction on I19 at Diamond”
Stephen Moggach (Edinburgh)
- 9:40 – 10:20 “Photocrystallography – from static to dynamic”
Paul Raithby (Bath)
- 10:20 – 11:00 “Practical lessons from energy landscapes in organic crystals” (PCG PANalytical thesis prize winner)
Aurora Cruz-Cabeza (Cambridge)
- 11:00 – 11:30 *Coffee*
- 11:30 – 12:00 “Charge order in the triangular metallic antiferromagnet AgNiO₂ probed by single crystal resonant X-ray scattering using I16 at Diamond”
Lucian Pascut (Bristol)
- 12:00 – 12:40 “First results from WISH: a case study with a new iron pnictide”
Pascal Manuel (ISIS)
- 12:40 – 13:10 “Magnetoelastic coupling in the frustrated antiferromagnetic triangular lattice CuMnO₂”
Carlo Vecchini (ISIS)
- 13:10 *Close and Buffet Lunch*