# ISIS Crystallography User Group Meeting

# PCG/SCMP Winter Meeting

# "Applied 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 Crystallographical Association and the Structural Condensed Matter Physics Group of the Institute of Physics.

## Thursday 3rd November 2011

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| *12:15 – 13:00* | *Buffet Lunch* |
| 13:00 – 13:40 | 'Structural control of the electrical properties of perovskite ceramics'<br>    *Robert Freer (Manchester)* |
| 13:40 – 14:20 | 'Post-perovskites and the deep earth'<br>    *Ian Wood (UCL)* |
| 14:20 – 15:20 | *A series of short contributed talks by young researchers* |

'Mechanical properties of silica-like metal-organic frameworks'
    *Ines Collings (Oxford)*
'SnMo2O8:  the Black Sheep of the NTE family'
    *Sarah Tallentire (Durham)*
'Frustrated magnetic structures from neutron powder diffraction data'
    *Joe Paddison (Oxford)*
'Structural, Magnetic and Electrical Studies of Hexagonal MFeO3 (M = Y, Yb)'
    *Lewis Downie (St Andrews)*

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| 15:20 – 16:00 | 'Synchrotron X-ray micro-beam methods'<br>    *Alexander Korsunsky (Oxford)* |
| *16:00 – 16:30* | *Tea* |
| 16:30 | ISIS Crystallography User Group Chairman's Welcome<br>    *Anthony Powell (Heriot-Watt)* |
| 16:40 – 17:00 | ISIS Facility Update<br>    *Uschi Steigenberger (ISIS)* |
| 17:00 – 17:10 | Collaborative R+D scheme with industry<br>    *Chris Frost (ISIS)* |
| 17:10 – 17:40 | ISIS Crystallography Update<br>    *Steve Hull and others (ISIS)* |
| 17:40 – 18:00 | Discussion |
| *18:00 – 19:30* | *Posters followed by Dinner* |

**Friday 4th November 2011**


9:00 – 9:40          'Water structure is important - OH...pi hydrogen bonds in p-sulfonatocalix[4]arene'
               *Katharina Fucke (Durham)*

9:40 – 10:20        'Neutron scattering studies of SOFC oxides'
               *Stefan Norberg (Chalmers)*

10:20 – 11:00      'The Cu6Sn5 phase 'problem' of tinned archaeological bronzes'
               *Pangiota Manti (Cardiff)*

*11:00 – 11:30      Coffee*

11:30 – 12:10      'New orders in simple solids'
               *Paul Attfield (Edinburgh)*

12:10 – 12:50      'Control of electronic ordering in sodium cobaltate'
               *Jon Goff (Royal Holloway)*


*13:00          Close and Buffet Lunch*