



ISIS Large Scale Structures User Group Meeting 2012

3rd – 4th September, International Space and Innovation Centre,
Rutherford Appleton Laboratory, Harwell, Oxfordshire.

Programme

Large Scale Structures User Group Meeting, 3rd – 4th September 2012, International Space Innovation Centre, Rutherford Appleton Laboratory, Oxfordshire.

Monday 3rd September

11.00 – 12.00 Arrival and registration

12.00 – 13.00 Lunch, International Space and Innovation Centre

13.00 – 13.15 Introduction by John Webster

13.15 - 15.00 – 1st session

13.15 – 13.45 : Jeffrey Penfold, ISIS/Oxford University, “Complexity in surfactant adsorption at the air-water interface: from humble beginnings to the current state of the art”

13.45 – 14.00 : Ali Zarbakhsh, Queen Mary UoL, “The Structure of the Fluid-Fluid Interface”

14.00 – 14.15 : Dave Scott, University of Nottingham, “SANS studies of intrinsically disordered proteins alone and in complexes”

14.15 – 14.30 : Geoffrey Mitchell, University of Reading, “Exploring the internal structure of nanofibres”

14.30 – 14.45 : Amalio Fernandez-Pacheco, University of Cambridge, “Controllable nucleation and propagation of topological magnetic solitons in CoFeB/Ru ferrimagnets”

14.45 – 15.00 : Richard Heenan, ISIS, STFC, “Recent science and progress with SANS at ISIS”

15.00 – 15.30 Coffee break

15.30 – 17.15 – 2nd session, chaired by Jian Lu

15.30 – 16.00 : Ian Tucker, Unilever, “SANS FAIR RIEN – a tribute to LOQ”

16.00–16.15 : Boyan Bonev, University of Nottingham, “Lipopolysaccharide-lipid raft models of host/pathogen interactions”

16.15 – 16.30 : Paul Brown, University of Bristol, “Magnetic surfactants, microemulsions and tuneable nanomagnets”

16.30 – 16.45 : Wanatchaporn Arunmanee, University of Newcastle, “Structural studies on outer membrane protein F and its partners determined by SANS”

16.45 – 17.00 : Maximilian Skoda, ISIS, STFC, “Science highlights and an update on Inter”

17.00 – 17.15 : Phil Taylor, ISIS, STFC, “Sample Environment Support at ISIS”

17.15 – Day 1 Close

18.30 - A Celebration of over 25 years of operation for LOQ and CRISP.

**RAL Rec-Soc lounge, Rutherford Appleton Laboratory,
Oxfordshire.**

Note : Food will be provided.

Tuesday 4th September

9.00 – 10.30 – 3rd session, chaired by Jeff Penfold

9.00 – 9.30 : Jian Lu, University of Manchester, “Peptide adsorption and selective binding to cell membranes.”

9.30 – 9.45 : Tom Arnold, Diamond Light Source, “Surface scattering measurements at Diamond”

9.45 – 10.00 : Stephen Perkins, University College London, “The solution structure of rabbit IgG accounts for its interactions with the Fc receptor and complement C1q and its conformational stability”

10.00 – 10.15 : Tim Charlton, ISIS, STFC, “PolRef: an update and highlights”

10.15 – 10.30 : Arwel Hughes/Luke Clifton, ISIS, STFC, “Biology and bio-membrane research and support at ISIS”

10.30 – 11.00 – Coffee break

11.00 – 12.30 – 4th session, chaired by Richard Heenan

11.00 – 11.30 : Christian Kinane, ISIS, STFC, “Magnetism and reflectometry”

11.30 – 12.00 : Stuart Prescott, University of Bristol, “Measuring the effects of confinement”

12.00 – 12.15 : Jeremy Lakey, University of Newcastle, “Developing free standing bilayers as a model of the bacterial outer membrane”

12.15 – 12.30 : Sheryl Davey, User Office, RAL, STFC, “Changes to the User Office”

12.30 – 12.45 : Jon Taylor, ISIS, STFC, “An update on MANTID”

12.45 – 13.00 : Christopher Frost, ISIS, STFC, “ICRD scheme”

13.00 – 13.30 Discussion Session

13.30 – 14.30 Lunch

14.30 – Meeting ends

Note : poster boards will be available where lunch is served