

Tuesday 6th November

10:45	Registration opens – Buffet lunch provided
13:00	Welcome address – Prof Claire Carmalt, University College London

Industrial Challenges, Pt 1 (Chair: Hamish Cavaye)

13:30	Invited: Alexander de Bruin (Johnson Matthey)
14:00	Andrea Zachariou (University of Glasgow) - Using INS in order to study the Methanol-to-Hydrocarbons reaction over a ZSM-5 catalyst
14:15	Guillaume Schweicher (University of Cambridge) - Accurate, mode-resolved mapping of electron-phonon coupling for the rational design of high mobility molecular semiconductors
14:30	Recent developments at ISIS: Catalysis & Energy – Stewart Parker

14:45	<i>Refreshments Break – 20 minutes</i>
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Industrial Challenges, Pt 2 (Chair: Iain Hitchcock)

15:05	Invited: Angelos Michaelides (University College London)
15:35	Pierfrancesco Ulpiani (University of Rome Tor Vergata) - New gamma detection strategies for epithermal neutron instrumentation
15:50	Keith Butler (ISIS Neutron & Muon Source) - Structure property relationships in halide perovskites, what we can learn from spectroscopy and simulations
16:05	Recent developments at ISIS: In-Silico Spectroscopy & Modelling – Sanghamitra Mukhopadhyay

16:20	<i>Refreshments Break – 20 minutes</i>
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Back to Fundamentals: Water & Aqueous Media (Chair: Christoph Salzmann)

16:40	Invited: Paul McMillan (University College London)
17:10	Silvia Imberti (ISIS Neutron & Muon Source) - Understanding the molecular origin of consoolvency
17:25	Ciprian Pruteanu (UCL) - Mixing water and oil: the particular case of water-methane mixtures

17:40	One-minute poster presentations
18:10	Posters and drinks – UCL North Cloisters

19:45	Dinner – Jeremy Bentham Room
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Wednesday 7th November

Environmental Materials (Chair: Chris Howard)

- 09:00 Invited: Neal Skipper (University College London)
- 09:30 Mi Tian (University of Bath) - Effects of pore geometry on immobile hydrogen confined in microporous carbon at supercritical temperatures
- 09:45 Kun Tian (University of Rome Tor Vergata) - From fundamental physics to clinical assays: Bridging the gap between neutron scattering and medicine/dentistry
- 10:00 Recent developments at ISIS: Low-energy Neutron Spectroscopy – Franz Demmel
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- 10:15 *Refreshments Break – 20 minutes*
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Looking Back: Archeometry & Cultural Heritage (Chair: Roberto Senesi)

- 10:35 Invited: Maria Paula Marques (University of Coimbra)
- 11:05 Claudia Scatigno (University of Rome Tor Vergata) - Chemometrics tools applied to INS dataset
- 11:20 Laura Arcidiacono (University of Rome Tor Vergata) - Development and Validation of a New Protocol for analysis of Cu-based standards as a benchmark for (T)-PGAA archaeometric measurements
- 11:35 Recent developments at ISIS: Electron-volt Neutron Spectroscopy – Matthew Krzystyniak
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- 11:50 Concluding Remarks – Roberto Senesi, Felix Fernandez-Alonso, Christoph Salzmann
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- 12:00 Close and buffet lunch
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A Mantid Surgery will be present throughout the event. Please bring along your questions, queries, or bug reports for the Mantid team!