Programme: Friday 27 June 2025

9:00 AM - 10:00 AM	**Plenary Speaker: Radu Coldea**, University of Oxford, UK Room: Priory Road Lecture Theatre (Sponsored by Kiutra) Quantum magnetism in the strong spin orbit regime: experimental challenges and opportunities
10:00 AM - 10:30 AM	**Morning Break** **Room: Priory Road Lecture Theatre Foyer**
10:30 AM - 12:00 PM	**Frustrated Magnetism and Spin Ice** (Room: Priory Road Lecture Theatre. Sponsored by Kiutra) **10:30 AM - 11:00 AM J.C. Séamus Davis:** Spinon Mediation of Witness-Spin Dynamics and Ground State in Herbertsmithite **11:00 AM - 11:20 AM Chris Hooley:** A generalised Haldane map from the matrix product state path integral to the critical theory of the J1-J2 chain **11:20 AM - 11:40 AM Adil Gangat:** Linear-time classical approximate optimization of cubic-lattice classical spin glasses **11:40 AM - 12:00 PM Henry Legg:** Determination of spin-orbit interaction via nonlinear transport
	2D and Topological Physics (Room: LT2) **10:30 AM - 11:00 AM Jieyi Liu:** Probe valency and magnetism of magnetic topological materials using XMCD **11:00 AM - 11:20 AM Marcin Mucha-Kruczynski:** Rhombohedral graphite junctions as physical realisations of topological defects in the Su-Schrieffer-Heeger model **11:20 AM - 11:40 AM Miguel Luque Canete**: Phonon-Limited Conductivity of Topological Surface States in Bi_2Se_3 **11:40 AM - 12:00 PM Priya Sharma:** Towards a micromechanical qubit based on quantized oscillations in superfluid helium
	Materials for Energy and Chemical physics and Self-Assembly (Room: G.H01) **10:30 AM - 11:00 AM Ziwei Wang:** Quantifying hydrogen bonding using electrically tunable nanoconfined water **11:00 AM - 11:20 AM Adyant Agrawal:** Molecular Insights into Irregular Growth of Salt Crystals: The Role of Charge and Water Structure **11:20 AM - 11:40 AM Mario Antonio Ongkiko:** Simulating 23Na NMR of sodium-ion-modified ZIF-62 glass
12:00 PM - 1:00 PM	**Lunch (grab and go)** **Room: Student Common Room**