

## Magnetism 2025 – Posterboard allocations

Poster board no.	First Name	Last Name	Paper Title
1	Aly	Abdeldaim	The materials and magnetism beamline, I16 at Diamond Light Source
2	Stefano	Agrestini	I21 RIXS beamline as powerful tool to investigate quantum and magnetic materials
3	Shoug	Alghamdi	Manipulating the Magnetic Properties of 3d Transition Metals with C60 Thin Films
4	Dkhillallah	Alsebaie	Impact of Increasing Aluminium Content on the Magnetic, Electrical, and Structural Properties of FeCoNiMn Thin Films
5	Peter	Bencok	Beamline for Advanced Dichroism Experiments
6	Luke	Benson	Spin-polarised currents in topological insulators due to the acousto-electric effect
7	Ben	Brereton	Growth of chiral magnetic multilayers on topological insulator Bi <sub>2</sub> Se <sub>3</sub> epilayers and observation of hosted spin textures
8	David	Burn	Time-resolved and 3-dimensional vector imaging of magnetic materials with coherent soft x-rays
9	Andrew	Caruana	Refl1d: Advanced Neutron and X-ray reflectivity modelling with Bayesian Uncertainty analysis
10	Mathew	Davies	Microscopic magnetic modelling of manganese-based olivines Mn <sub>2</sub> AX <sub>4</sub>
11	Elisa	Dawa	Magnetic and Electrical Characterisation of $\alpha$ -MnTe films grown by Molecular Beam Epitaxy (MBE)
12	Paul	Freeman	Magnetism of Hole Doped Néel Antiferromagnet La <sub>2</sub> -xSrxNiO <sub>4</sub> x = 0.12.
13	Alex	Gabbitas	Thermal scanning probe lithography for nanoscale magnetic hybrid devices
14	Sian	Gleadhall	The role of cluster geometry in magnetic hyperthermia.
15	William	Griggs	Skyrmionic Abacus for Neuromorphic Edge Computations
16	William	Griggs	Towards experimental realization of skyrmionic artificial synapses
17	Sachin	Gupta	Electrically switchable ferromagnetic Josephson Junctions for cryogenic memory
18	Madeleine	Hales	Phonon-Driven Spin Dynamics in Rare-Earth Orthoferrites across Spin-Reorientation Temperatures
19	Parvathy	Harikumar	Hybridization-Driven Optical and Spintronic Properties of Phthalocyanines on Cobalt
20	Emily	Heppell	Room-temperature in-plane ferromagnetism in Co-substituted Fe <sub>5</sub> GeTe <sub>2</sub> investigated by magnetic x-ray spectroscopy and microscopy
21	Emily	Heppell	Search for proximity-induced magnetism in CrTe <sub>2</sub> /Bi <sub>2</sub> Te <sub>3</sub> ferromagnet-topological insulator heterostructures
22	Angus	Hodgkiss	Platinum/Gold Alloys for Spintronics: Investigating Spin Orbit Torque and Spin Pumping Reciprocity
23	Dirk	Honecker	Nanomagnetism seen with neutrons: Small-Angle Neutron Scattering
24	Lin	Huang	The alternative antiferromagnetism of Mn doped ferrite C4AF
25	Mae	Jankowski	Bismuth ferrite-lead titanate thin films for an investigation of the effects of the morphotropic phase transition on magnetic properties
26	Paul	Keatley	Exploring ultrafast magnetic processes of low-dimensional ferromagnets using EXTREMAG

27	Christy	Kinane	Structural and Magnetic Depth Profiling of Magnetic Thin Films with the POLREF Reflectometer
28	Natan	Kuninski	Comparison of noise removal methods in Ferromagnetic resonance
29	Maria Magdalena	Martinez Cameros	Enhancing spin signals in pure spin currents
30	Yuliia	Mazurenko	Effect of Annealing Temperature on Magnetic Properties of Nanoscale Copper Ferrite
31	Noora	Naushad	Developing novel magnetic L10 alloys for spintronics
32	John	Osborne	Optimisation of magnetic multilayers for surface acoustic wave-driven skyrmion motion
33	Manikantha	Panda	Experimental and theoretical study on quaternary Heusler alloy FeRuVSi: Anti-site disorder effect study
34	Zac	Parkin	Strange metal states and optical tuning in Bi2Se3 with molecular diodes
35	Jack	Pearce	Applying Soft X-Ray Resonant Magnetic Diffraction to Elucidate the Magnetic Ordering of the W-Type Hexaferrite SrCo2Fe16O27
36	Sergiu	Ruta	Spin-wave implementation within the VAMPIRE software package
37	Abhirami	Saminathan	The search for spin-polarised edge states in InAs/GaSb quantum well devices
38	Rishi	Siddani	All-Electrical Magnetisation Switching of Connected Nanomagnets
39	Sehwan	Song	Correlation Between Local Structural Symmetry and Magnetic Anisotropy Energy: Insights into the Morin Transition in $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> Films
40	Harvey	Stanfield	Beyond Room Temperature Magnetic Order in Low Dimensional van der Waal Crystals for use within Magnetic Tunnel Junctions
41	Nick	Surtees	Large Bandgap Oxide Topological Insulators
42	Gonzalo	Vallejo Fernandez	MnN As replacement for IrMn
43	Jing	Wu	Ultrafast magnetization enhancement via the dynamic spin-filter effect of type-II Weyl nodes in Co3Sn2S2