

Aberration- Corrected PEEM at Diamond

29th January 2019

G59, Diamond House, Diamond Light Source, UK
Organisers: Massimo Ghidini and Sarnjeet Dhesi

10.00	Registration and Coffee (Diamond House Atrium)
10.20	Welcome and Introduction Sarnjeet Dhesi and Francesco Maccherozzi
10.30	Session 1: The I06 AC-PEEM upgrade Chair: Sarnjeet Dhesi, DLS
10.30	LEEM/PEEM Research and Development Helder Marchetto, Elmitec GmbH
	Session 2: Opportunities for Surface Science Chair: Francesco Maccherozzi, DLS
11.00	Electron Spectro-Microscopy of 2D Materials Jurek Sadowski, BNL, USA
11.20	Spectromicroscopic studies of model oxide thin film catalysts for dry reforming reactions David Grinter, DLS
11.40	AC XPEEM for nanoparticle catalysis design Geoff Thornton, UCL, UK
12.00	Dewetting of transition metal and metal oxide films to form novel nanostructures Roger Bennett, University of Reading, UK
12.20	Discussion (FM lead)
12.40	Lunch (Diamond House Atrium)
	Session 3: Opportunities for Magnetism Chair: Massimo Ghidini, University of Cambridge, Parma and DLS
13.40	Nanoscale magnetoelectric effect revealed by high-resolution imaging Neil Mathur, University of Cambridge, UK
14.00	Magnetisation dynamics in nanostructures and devices Stuart Cavill, University of York, UK
14:20	Imaging electrical control of antiferromagnetic domains and domain walls Pete Wadley, University of Nottingham, UK
14.40	Magnetic skyrmions: When topology meets Spintronics Vincent Cros, CNRS-Thales, France
15.00	Discussion (MG lead)
15.30	Coffee (Diamond House Atrium)
	Session 4: Opportunities for Quantum Materials Chair: Neil Mathur, University of Cambridge, UK
16.00	Imaging topological domains in functional oxides Paolo Radaelli, University of Oxford, UK
16.20	Nodal superconducting exchange coupling between oxide ferromagnetic insulators Jason Robinson, University of Cambridge, UK
16.40	Nanoscale dynamics across the Mott transition in V2O3 Claudio Giannetti, Universita' Cattolica del Sacro Cuore, Italy
17.00	Discussion (SD lead)
17.30	Close of workshop