

## X-ray & Neutron Scattering in Multiferroic and Ferroelectric Materials Research Workshop III

14<sup>th</sup> November 2013

National Physical Laboratory, Teddington, TW11 0LW, UK

### Programme/Agenda

09:30-10:00	Coffee and Registration	
10:00-10:10	Welcome <i>M. Cain</i>	National Physical Laboratory
10:10-10:40	Magnetic neutron diffraction on type II multiferroics at ILL <i>L. Chapon</i> Chair: <i>P. Radaelli (Oxford University)</i>	Institut Laue-Langevin
10:40-11:10	Magnetically driven dielectric properties of $\text{Bi}_{0.5}\text{La}_{0.5}\text{FeO}_3$ : competition between geometry optimisation and magnetism <i>F. Morrison</i>	St. Andrew University
11:10-11:25	Coffee/Tea	
11:25-11:35	Electrodes deposition (live demonstration) <i>A. Muniz-Piniella</i>	National Physical Laboratory
11:35-12:05	What first principles can do for you and what you can do for first principles <i>C. Ederer</i>	ETH Zürich
12:05-12:35	On <i>in-situ</i> nanoscale investigations at the Diamond Light Source <i>S. Dhesi</i>	Diamond Light Source
12:35-13:20	Lunch & Poster session	
13:20-13:30	PE Loops (live demonstration) <i>M. Stewart</i> Chair: <i>S. Collins (Diamond Light Source)</i>	National Physical Laboratory
13:30-13:45	On <i>current and future capabilities for multiferroic research on the (ISIS) WISH diffractometer</i> <i>P. Manuel</i>	ISIS facility, Rutherford Appleton Laboratory
13:45-14:00	XMaS Beamline (in-situ and new capabilities) <i>P. Thompson</i>	ESRF
14:00-14:30	Direct view of spin dynamics in a large magnitude coherent electromagnon <i>U. Staub</i>	PSI-SLS
14:30-14:45	Coffee/Tea	
14:45-14:55	Interferometer/MOKE (demonstration) <i>S. Lepadatu</i>	National Physical Laboratory

14:55-15:25	Generating direct magnetoelectric behavior in $\text{EuTiO}_3$ <i>P. J. Ryan</i>	Advanced Photon Source
15:25-15:55	Neutron scattering experiments on multiferroics at PSI: focus on thin films and skyrmion lattices <i>J. White</i>	PSI-SINQ
15:55-16:35	Discussion <i>All speakers in panel</i> Chair: <i>R. Cernik (Manchester University)</i>	
16:35-16:40	Closing remarks <i>M. Cain</i>	National Physical Laboratory
16.40	Departure	