

# Advances in Modern Magnetic Materials, Diamond Light Source

17<sup>th</sup> -19<sup>th</sup> June 2015

Wednesday 17 <sup>th</sup> June		
11:00	Arrival and Registration with Coffee	Diamond Atrium
12:00	Lunch	
13:00	Welcome Andrew Harrison, Diamond Light Source, UK	MR G53
13:10	Introduction Paul Steadman, Diamond Light Source, UK	
X-ray Magnetic Circular Dichroism		
13:20	Magnetic dichroism studies on BLADE Gerrit van der Laan, Diamond Light Source, UK	MR G53
Superconductivity and Magnetism		
14:20	2D Cs-vacancy superstructure in iron-based superconductor $Cs_{0.8}Fe_{1.6}Se_2$ Dan Porter, Diamond Light Source Ltd, UK	MR G53
15:00	Coffee	Diamond Atrium
15:30	The influence of spatial confinement on magnetism and superconductivity probed by nuclear resonant scattering Kristiaan Temst, KU Leuven, Belgium	MR G53
16:30	New insights into nanomagnetism and superconductivity by low temperature scanning tunneling microscopy Dirk Sander, Max-Planck-Institut für Mikrostrukturphysik, Halle, Germany	
Poster Session and Dinner		
17:30	Poster Session	Diamond Atrium
18:30	Buses Depart for Cosener's House	Front Dia. House
19:00	Dinner	Cosener's House
21:00	End of Day 1	

Thursday 18 <sup>th</sup> June		
Spintronics and Thin Films		
09:00	All-optical control of ferromagnetic thin films and nanostructures Stephane Mangin, Institut Jean Lamour, Université de Lorraine, France	MR G53
10:00	Layer Resolved Measurements of Static and Dynamic Coupling in Pseudo-Spin Valves Alex Baker University of Oxford, UK	
10:30	Coffee	Diamond Atrium
Multiferroics		
11:00	TBA Paolo Radaelli, University of Oxford, UK	MR G53
12:00	Lunch	Diamond Atrium
Magnetic Semiconductors		
13:30	Group IV magnetic semiconductors and spin injection in silicon,	MR G53

	<i>germanium</i> Matthieu Jamet , CEA, Grenoble, France	
<b>BLADE – A Beamline Optimised for Studies of Magnetism</b>		
14:30	<i>The BLADE Beamline</i> Paul Steadman, Diamond Light Source, UK	MR G53
15:15	Coffee	Diamond Atrium
15:45	Tours	BLADE
<b>Evening</b>		
17:00	Drinks and Networking Session	Diamond Atrium
18:00	End of Day 2	

<b>Friday 19<sup>th</sup> June</b>		
<b>Exchange Bias</b>		
09:00	<i>A new approach to exchange bias and its application to Mn<sub>2</sub>Au</i> Dominique Givord, Institut Néel, Grenoble, France	MR G53
10:00	<i>Investigations of proximity effects in ferromagnetic-antiferromagnetic multilayers at I10</i> Alexey Dobrynin, Diamond Light Source, UK	
10:30	Coffee	Diamond Atrium
<b>Frustrated Magnetism</b>		
11:00	<i>Neutron Scattering Studies of Frustrated Magnets</i> Bella Lake, Helmholtz Zentrum für Materialien und Energie, Berlin, Germany	MR G53
12:00	Lunch	Diamond Atrium
13:00	End of Day 3 - Close of Workshop	