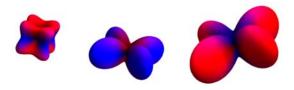
Spin Orbit Coupling School



Thursday, October 22

8:45 - 9:00	Introduction Andrea Damascelli	University of BC, Canada
9:00 - 10:00	<i>From the Dirac equations</i> Maurits Haverkort	s to fine structure in atoms MPI, Germany
10:00 - 11:00	<i>Spin-orbit in solids and a</i> Marco Grioni	t surfaces: experiments Part 1 EPFL, Switzerland
11:00 - 11:30	Coffee Break	
11:30 - 12:30	Quantum spin hall candic Josh Folk	late InAs/GaSb: promise and practice University of BC, Canada
12:30 - 13:30	Lunch	
13:30 - 14:30	From atoms to solids with Maurits Haverkort	h Desselhaus and Rashba interactions MPI, Germany
14:30 - 15:30	Spin-orbit in solids and at surfaces: experiments Part 2	
	Marco Grioni	EPFL, Switzerland
15:30 - 16:00	Coffee Break	
16:00 - 17:00	Posters	
17:00	Reception	

Friday, October 23

9:00 - 10:00	Anisotropic interactions in correlated electronic systems with strong spin- orbit coupling Part 1	
	Natalia Perkins	University of Minnesota, USA
10:00 - 10:30	Leggett modes and the Anderson-Higgs mechanism in superconductors without inversion symmetry	
	Nikolaj Bittner	MPI, Germany
10:30 - 11:00	Superconductivity and magnetism in topological half-Heusler semimetalsYasuyuki NakajimaUniversity of Maryland, USA	

11:00 - 11:30	Coffee Break
11:30 - 12:30	The detection of broken symmetry states and spin-orbital liquids with coherent optical probes
	Peter Armitage Johns Hopkins University, USA
12:30 - 13:30	Lunch
13:30 - 14:30	Anisotropic interactions in correlated electronic systems with strong spin- orbit coupling Part 2
	Natalia Perkins University of Minnesota, USA
14:30 - 15:00	<i>Na3Ir308 - a metal by spin-orbit interaction</i> Marc Höppner MPI, Germany
	Marc noppher Mri, Germany
15:00 - 15:30	Coffee Break
15:30 - 17:30	Tour: AMPEL/Quantum Matter Institute Facilities
17:30	Bus Departs: Dinner for Speakers
18:40	Dinner for Speakers

Saturday, October 24

9:00 - 10:00	<i>New physics in topological insu</i> Marcel Franz	ulators and superconductors Part 1 University of BC, Canada
10:00 - 11:00	Topological Band and Correlated Insulators	
	David Hsieh	Caltech, USA
11:00 - 11:30	Coffee Break	
11:30 - 12:30	Topological aspects of transpo observing quantum anomalie . Sid Parameswaran	
12:30 - 13:30	Lunch	
13:30 - 14:30	<i>New physics in topological inst</i> Marcel Franz	ulators and superconductors Part 2 University of BC, Canada
14:30 - 15:30	Topological Semimetals and Superconductors	
	David Hsieh	Caltech, USA

Coffee Break

16:00 - 16:30	Phase diagram and quantum order by disorder in the Kitaev K1-K2 honeycomb magnet	
	Ioannis Rousochatzakis	University of Minnesota, USA
16:30 - 17:00	Interacting Majorana fermions	
	Armin Rahmani	University of BC, Canada

Sunday, October 25

9:00 - 10:00	-	<i>dynamics: The interplay of competing</i> <i>mpeting electronic phases</i> University of California, USA	
10:00 - 11:00	Spin-orbital entanglemen Andrea Damascelli	<i>t and spin-triplet pairing in Sr2RuO4</i> University of BC, Canada	
11:00 - 11:30	Coffee Break		
11:30 - 12:30	A hidden magnetic order i second harmonic generati Liuyan Zhao	in Sr2IrO4 system revealed by optical ion Caltech, USA	
12:30 - 13:30	Lunch		
13:30 - 14:00	<i>Spin-orbital textures in to</i> Sergey Zhdanovich	<i>pological insulators</i> University of BC, Canada	
14:00 - 14:30		Mapping the phase diagram of 3D Kitaev materials, betaand gamma phase Li2IrO3Alejandro RuizUniversity of California, USA	
14:30 - 15:30	Concluding remarks		