



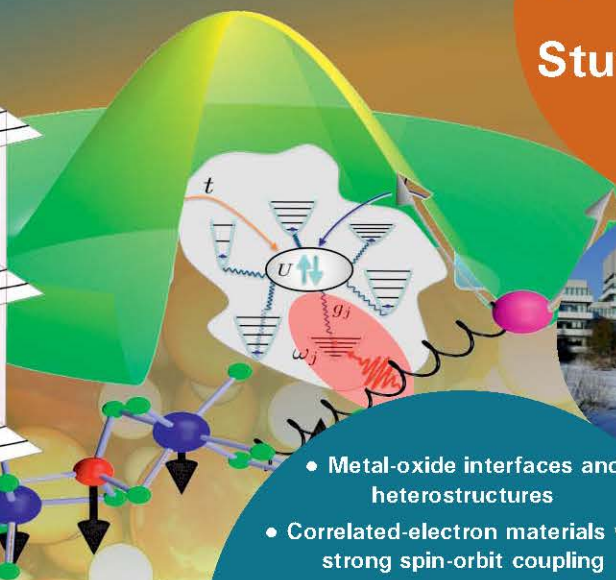
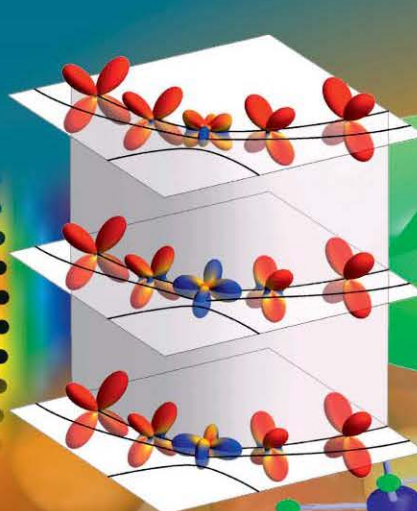
MAX PLANCK – UBC – UTokyo
CENTRE FOR QUANTUM MATERIALS
STUTTGART • VANCOUVER • TOKYO



International Workshop on Frontiers of Research in Quantum Materials

Max Planck Institute for Solid State Research

December
17th – 20th 2017
Stuttgart
Germany



- Metal-oxide interfaces and heterostructures
- Correlated-electron materials with strong spin-orbit coupling
- High-temperature superconductivity
- Dynamical control of electron systems
- Topological phenomena in solids
- Spintronic materials and devices
 - Electronic properties of graphene-atom systems
 - Spin liquids
 - QHE

LOCATION

Max Planck Institute
for Solid State Research
Lecture Hall 2D5
Heisenbergstraße 1
70569 Stuttgart
Germany



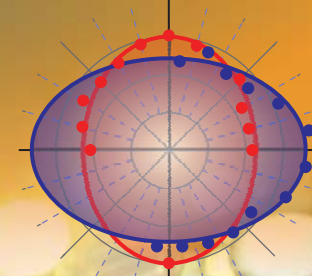
Organizers: Bernhard Keimer, Max Planck Institute for Solid State Research, Stuttgart
Dirk Manske, Max Planck Institute for Solid State Research, Stuttgart

Registration: Sonja Balkema • Email: office-keimer@fkf.mpg.de



International Workshop on Frontiers of Research in Quantum Materials

Max Planck Institute for Solid State Research



Monday, December 18th, 2017

Tuesday, December 19th, 2017

Wednesday, December 20th, 2017

Monday, December 18 th , 2017		Tuesday, December 19 th , 2017		Wednesday, December 20 th , 2017		
	8:00 – 8:25	Registration		8:30 – 9:05	Liu Hao Tjeng MPI for Chemical Physics of Solids	
	8:25 – 8:30	Bernhard Keimer MPI for Solid State Research	Oxides	9:05 – 9:40	George A. Sawatzky UBC Vancouver	
Dynamics I	8:30 – 9:05	Ryo Shimano The University of Tokyo		9:40 – 10:15	Hiroki Wadati The University of Tokyo	
	9:05 – 9:40	Stefan Kaiser MPI for Solid State Research		10:15 – 10:45	Coffee break	
	9:40 – 10:15	Benedikt Fauseweh MPI for Solid State Research	Superconductivity	10:45 – 11:20	Jochen Mannhart MPI for Solid State Research	
10:15 – 10:45	Coffee break	11:20 – 11:55		Mona Berciu UBC Vancouver		
10:45 – 11:20	Shik Shin The University of Tokyo	11:55 – 12:30		Douglas Bonn UBC Vancouver		
Dynamics II	11:20 – 11:55	David Jones UBC Vancouver		12:30 – 14:00	Lunch	
	12:00 – 13:30	Lunch	Unconventional magnetism	14:00 – 14:35	Eva Benckiser MPI for Solid State Research	
13:30 – 14:05	Masashi Kawasaki The University of Tokyo	14:35 – 15:10		Andrew McFarlane UBC Vancouver		
14:05 – 14:40	Jurgen Smet MPI for Solid State Research	15:10 – 15:45		Kentaro Kitagawa The University of Tokyo		
Nanolectrics	14:40 – 15:15	Alireza Nojeh UBC Vancouver		15:45 – 16:15	Coffee break	
	15:15 – 15:45	Coffee break	SOC & Topology I	16:15 – 16:50	Hidenori Takagi MPI for Solid State Research	
	15:45 – 16:20	Christian Ast MPI for Solid State Research		16:50 – 17:25	Claudia Felser MPI for Chemical Physics of Solids	
16:20 – 16:55	Robert Kiefl UBC Vancouver	17:25 – 18:05		Masao Ogata The University of Tokyo		
Thin films and surfaces	16:55 – 17:10	Ryan Day UBC Vancouver		19:00 – 21:00	Conference Dinner and Résumé	
	17:10 – 17:25	Pascal Nigge UBC Vancouver				
	17:25 – 18:15	Talks by UBC intern students				
	18:30 – 21:00	Poster Session & Buffet Dinner				
					SOC & Topology II	
					8:30 – 9:05	Ian Affleck UBC Vancouver
					9:05 – 9:40	Masaki Oshikawa The University of Tokyo
					9:40 – 10:15	Roderich Moessner MPI for the Physics of Complex Systems
					10:15 – 10:45	Coffee break
					10:45 – 11:20	Stuart Parkin MPI of Microstructure Physics
					11:20 – 11:55	Masamitsu Hayashi The University of Tokyo
					11:55 – 12:30	Joshua Folk UBC Vancouver
					12:30 – 14:00	Lunch
					14:00 – 15:00	Meeting of Board Members

PROGRAM

Lecture Hall 2D5

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