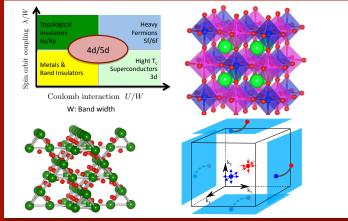
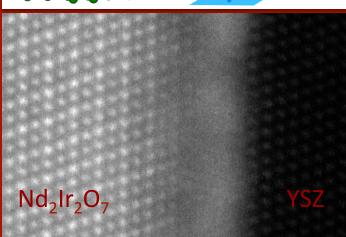
Spin-Orbit Coupling and Magnetism in Correlated Transition Metal Oxides





THE OHIO STATE UNIVERSITY





Tutorials: May 3, 2015

Lectures are specifically aimed at graduate students and post-doctoral scholars.

Workshop: May 4-7, 2015

The workshop aims to bring scientists with diverse expertise working on the interplay of spin-orbit coupling and correlations in transition metal oxides, which leads to novel metallic, magnetic and topological states. The topics covered will include recent advances in materials, measurements, phenomena, theory and computation.

Invited Speakers (Confirmed):

James Analytis, U California Berkeley Ryotaro Arita, RIKEN

Silke Biermann, Centre de Physique Theorique

Gang Cao, U Kentucky

Jacques Chakhalian, U Arkansas

Jinguang Cheng, Institute of Physics CAS

Daniel Dessau, U Colorado

Craig Fennie, Cornell U

Daniel Haskel, APS Argonne National Laboratory

Harold Hwang, Stanford U

George Jackeli, Max Planck Institute

Hae-Young Kee, U Toronto

Bernhard Keimer, Max Planck Institute

Daniel Khomskii, U Cologne

Bumjoon Kim, Max Planck Institute

Yong Baek Kim, U Toronto

Young Lee, Stanford U

John Mitchell, Argonne National Laboratory

Arun Paramekanti, CIFAR, U Toronto

Natalia Perkins, U Minnesota

Tanusri Saha Dasgupta, S. N. Bose Centre

Sergej Savrasov, U California Davis

Kyle Shen, Cornell U

Susanne Stemmer, U California Santa Barbara Hidenori Takagi, Max Planck Institute Jean-Marc Triscone, U Geneva Kentaro Ueda, U Tokyo Ashvin Vishwanath, U California Berkeley Jiaqiang Yan, U Tennessee Knoxville

Tutorial Instructors:

- Ryotaro Arita, RIKEN
 - Electronic Structure of Correlated Oxides
- Gang Cao, U Kentucky
 - Correlations and Spin-Orbit Coupling: Survey of Experiments on Iridates
- Yong Baek Kim, U Toronto
 - Correlated Quantum Phenomena in the Strong Spin-Orbit Regime
- Jean-Marc Triscone, U Geneva
 - Interfacial Effects in Novel Oxide Heterostructures

Organizers:

Nandini Trivedi, Mohit Randeria, Patrick Woodward, Rolando Valdés Aguilar, Yuan-Ming Lu Physics Department, The Ohio State University

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