

LENS/CMP Seminars – 2013

Date	Speaker	Title	Host
January 7	Spring Semester 2013 commences		
January 11	NO SEMINAR SCHEDULED		
January 18	Lorenza Viola, Dartmouth College	"Dissipative entanglement engineering with quasi-local resources"	Gerardo Ortiz
January 25	Michael Manfra, Purdue University	"Creating order in a disordered world: MBE's role in condensed matter physics"	Herb Fertig
February 1	Shinsei Ryu, University of Illinois - Urbana-Champaign	"Effective field theories for topological insulators by functional bosonization"	Gerardo Ortiz
February 8	Chi-Ken Lu, Indiana University - Physics	"Dirac fermions in topological matters: a subject of physics, mathematics and applications"	Herb Fertig
February 15	Steve L. Tait, Indiana University Dept of Chemistry	"Self-assembly, Interactions, and Dynamics in 2D Crystalline Organized Layers at Surfaces"	Paul Sokol
February 22	Xuan Gao, Case Western Reserve University	POSTPONED TO APRIL 19 "Topological insulators from bottom up"	Shixiong Zhang
March 1	Chenggang Tao, Virginia Tech	"Local probe measurement of graphene nanostructures"	Shixiong Zhang
March 8	Abdella Lisfi, Morgan State University	"Magnetism of epitaxial two-dimensional ferrites"	Garfield Warren
March 9-17	Spring Break		
March 22	NO SEMINAR - APS MARCH MEETING		
March 29	Le Luo, IUPUI	"Exploring Many-body Quantum Physics with Strongly Interacting Fermi Gases"	Babak Seradjeh
April 5	Bruno Uchoa, Oklahoma University	"Massive Dirac fermions: Localization gap and superconductivity"	Herb Fertig
April 12	Nandini Trivedi, Ohio State University	"Novel Phenomena in Transition metal oxides: Half Metallic Ferromagnets and Multi-Orbital Mott Insulators"	Herb Fertig
April 19	Xuan Gao, Case Western Reserve University	"Topological insulators from bottom up"	Shixiong Zhang

April 26	Alex Levchenko, Michigan State University	"Thermal transport and quench relaxation in nonlinear Luttinger liquids"	Rex Tayloe
April 29-May 3	Finals Week		
August 26	Fall Semester 2013 commences		
August 30	NO SEMINAR SCHEDULED		
September 6	Fengyuan Yang, Ohio State University	"Spin Pumping from $Y_3Fe_5O_{12}$ Epitaxial Thin Films to Metals"	Shixiong Zhang
September 13	Rob de Ruyter, Indiana University	"Motion estimation in the fly visual system: a test bed for biological computation"	William Schaich
September 20	Dave Schuster, University of Chicago	"Cavity QED with electrons on helium"	Herb Fertig
September 27	David Morgan and Sid Shaw, IU Light Microscopy Imaging Center	"In Search of the Nanometers (and Angstroms)"	Herb Fertig
October 4	Ganpathy Murthy, University of Kentucky	"Composite Fermions for Fractionally Filled Chern Bands"	Herb Fertig
October 11	Takashi Oka, The University of Tokyo	"Floquet theory of laser induced topological phase transitions"	Herb Fertig, Babak Seradjeh
October 18	Fall Break - Oct 17-21		
October 25	NO SEMINAR SCHEDULED		
November 1	Sergey Frolov, University of Pittsburg	"Signatures of Majorana Fermions in Hybrid Superconductor- Semiconductor Nanowire Devices"	Babak Seradjeh
November 8	Sung S. Ambrose Seo, University of Kentucky	"Investigations of strongly correlated, spin-orbit coupled electrons in epitaxial Sr_2IrO_4 thin films"	Shixiong Zhang
November 15	Kenjiro Gomes, University of Notre Dame	"Engineering Electronic Bands in Molecular Graphene using Atomic Manipulation"	Babak Seradjeh
November 22	NO SEMINAR SCHEDULED		
November 29	Thanksgiving Break – Nov 23-Dec 2		
December 6	Norman Wagner, University of Delaware	"Measuring the non- equilibrium microstructure of complex fluids under steady and time-dependent shear using spatial and time-resolved small-angle neutron scattering-colloidal gels"	Roger Pynn
December 13	NO SEMINAR SCHEDULED		
December 20	Finals Week - Dec 16-20		