

LENS/CMP Seminars – 2017

In the Spring Semester 2017 all seminars were held on **Thursdays at 12:15 pm** in **Swain West 252**, unless otherwise noted. In the Fall Semester 2017 all seminars were held on **Fridays at 3:30 pm** in **Swain West 252**, unless otherwise noted.

Date	Speaker	Title	Host
January 9	SPRING SEMESTER COMMENCES		
February 16	Tine Greibe, National Center for Micro- and Nano-fabrication, Technical University of Denmark	<u>"Quasiparticles and E-beam Lithography"</u>	Dave Baxter
February 23	Zhiqiang Mao, Tulane University	<u>"Relativistic Fermions Generated by Square Lattices in Layered Compounds"</u>	Shixiong Zhang
March 9	Deyu Li, Vanderbilt University	<u>"Phonon Dynamics at Surfaces and Interfaces"</u>	Shixiong Zhang
March 11-20	SPRING BREAK (APS MARCH MEETING MARCH 13-17)		
March 30	Moustafa Tanhayi Ahari, Indiana University Physics Department	<u>"Non-Abelian fermion parity interferometry of Majorana bound states in a Fermi sea"</u>	Herb Fertig
April 6	Gregory Fiete, University of Texas at Austin	<u>"Searching for topological phases in transition metal oxide thin films and heterostructures"</u>	Babak Seradjeh and Shixiong Zhang
April 13	Paul Hess, University of Maryland	"Observing discrete time crystals in a spin chain of trapped ions"	Phil Richerme and Babak Seradjeh
April 20	Mohammad Maghrebi, Michigan State University	<u>"Many body driven systems coupled to a dissipative bath"</u>	Babak Seradjeh
April 27	Yuli Lyanda-Geller, Purdue University	<u>"Topological matter in charge carrier hole systems"</u>	Herb Fertig
May 1-5	FINALS WEEK		
August 21	FALL SEMESTER COMMENCES		
September 1	Xianglin Ke, Michigan State University	<u>"Novel quantum properties in correlated ruthenates via non-thermal perturbation"</u>	Shixiong Zhang
September 29	Luiz Santos, University of Illinois at Urbana-Champaign	<u>"Chern-Simons Composite Fermion Theory of Fractional Chern Insulators"</u>	Gerardo Ortiz

October 6-8	FALL BREAK		
October 13	Benjamin Fregoso, Kent State University	tba	Martin Rodriguez-Vega
Saturday, October 21, Ballantine Hall, 9:00 am-3:00 pm	<u>IU SCIENCE FEST</u>		
November 3	Sahinur Reja, IU Physics	<u>"Superconductivity in coupled j-J segments and odd-gon Hubbard rings"</u>	Herb Fertig
November 10	Le Luo, IUPUI	<u>"Symmetry breaking and thermodynamics of parity-time symmetric Hamiltonians in a dissipative ultracold Fermi gas"</u>	Phil Richerme
November 17	Zohar Nussinov, Washington University	<u>"A Replica Based Approach to Machine Learning"</u>	Gerardo Ortiz
November 19- 26	THANKSGIVING BREAK		
December 1	Shouhong Wang, IU Mathematics	<u>"Quantum Mechanism of Condensation and High Tc Superconductivity"</u>	Gerardo Ortiz
December 8, 2:30 pm	Bruce Gadway, University of Illinois at Urbana-Champaign	<u>"Hamiltonian engineering based on synthetic lattices with cold atoms"</u>	Martin Rodriguez-Vega
December 11-15	FINALS WEEK		