

LENS/CMP Seminars – 2018

In the Spring Semester 2018 all seminars were held on **Fridays at 2:30 pm** in **Swain West 214**, unless otherwise noted. In the Fall Semester 2018 all seminars were held on **Wednesdays at 3:30 pm** in **Swain West 214**, unless otherwise noted.

Date	Speaker	Title	Host
January 8	SPRING SEMESTER COMMENCES		
February 2 3:00 pm	Abu Ashik Md Irfan, IU Physics	Candidacy seminar tba	Gerardo Ortiz
February 23	Chandan Setty, University of Illinois	<u>"Quasiparticle interference and resonant states in normal and superconducting flat bands"</u>	Gerardo Ortiz
March 10-18	SPRING BREAK		
March 23	Chen-Lung Hung, Purdue University	<u>"Quantum matter built from atom-nanophotonic lattices"</u>	Phil Richerme
March 30	Dusan Sarenac, University of Waterloo	<u>"Characterizing materials via structured neutron beams"</u>	Mike Snow
April 6	Philip Phillips, University of Illinois at Urbana-Champaign	<u>"Anomalous Dimensions for Conserved Currents and Extra Dimensions in the Strange Metal?"</u>	Gerardo Ortiz and Martin Rodriguez-Vega
April 13	Yan Li, University of Utah	<u>"Exciton Spin Coherence in Hybrid Organic-Inorganic Perovskites"</u>	Shixiong Zhang
April 20	Srini Iyengar, IU Chemistry	<u>"Reduced scaling electronic structure and dynamics using lessons from set-theory and geometry networks: post-Hartree-Fock accuracy at DFT cost"</u>	Herb Fertig
April 30-May 4	FINALS WEEK		
August 20	FALL SEMESTER COMMENCES		
August 29	Babak Seradjeh, IU Physics	<u>"Floquet Topology: Fast, Slow and Across"</u>	
September 5	Taylor Hughes, University of Illinois at Urbana-Champaign	<u>"Higher Order Topological Phases: Quadrupoles, Meta-materials, and Beyond"</u>	Babak Seradjeh
September 12	Michael Manfra, Purdue University	<u>"Towards Topological Qubits in Superconductor/Semiconductor Hybrid System"</u>	Gerardo Ortiz
September 19	Yi Gu, Washington State University	<u>"Phase-Defined Van der Waals Metal-Semiconductor Junction"</u>	Shixiong Zhang
September 26	Adrian Del Maestro, University of Vermont	<u>"Entanglement area law in superfluid 4He"</u>	Paul Sokol

October 3	Marissa D'Onofrio, IU Physics	Candidacy Seminar - <u>"A Trapped Ion Quantum Simulator for Two-Dimensional Spin Systems"</u>	Phil Richerme
October 4-7	FALL BREAK		
October 10	Erik Henriksen, Washington University in St. Louis	<u>"Two topics in graphene: infrared spectroscopy and charge-doping a Mott insulator"</u>	Herb Fertig
October 17	Jinlyu Cao, IU Physics	<u>"RKKY Interactions in Graphene Landau Levels"</u>	Herb Fertig
October 24	Jeff Ou, IUPUI	<u>"Beating Quantum Mechanics with Quantum Mechanics"</u>	Phil Richerme
October 31	Thomas H. Heaton, Caltech	<u>"Implications of Strong-Rate- Weakening Friction for the Length- Scale Dependence of the Strength of the Crust; Why Earthquakes are so Gentle"</u>	Dave Baxter
November 7	Abhishek Kumar, IU Physics	Candidacy Seminar - <u>"Floquet optical conductivity and higher order Floquet topological insulators"</u>	Babak Seradjeh
November 14	Emilio Cobanera, SUNY Polytechnic Institute	<u>"Quantum Brownian Motion in a Landau Level"</u>	Gerardo Ortiz
November 17-25	THANKSGIVING BREAK		
November 28	Yuanheng Xie, IU Physics	Candidacy Seminar: <u>"Building a 2D quantum simulator with trapped ions"</u>	Phil Richerme
December 5	Vladimir Hutanu, University of Aachen and Jülich Centre for Neutron Science	<u>"New single crystal diffractometer with polarized neutrons POLI at MLZ as a versatile tool for the detailed investigation of magnetic structures"</u>	Mike Snow
December 10-14	FINALS WEEK		