

# Condensed Matter Theory Center 2013 Fall Symposium



October 29-30, 2013  
2205 Physics Building

<http://www.physics.umd.edu/cmhc/seminars.html>

## Tuesday, October 29

**Ed Barnes:** 10:00am – 10:45am “Analytically solvable time-dependent two-level systems”

**Philip Brydon:** 10:45am – 11:30am “Topologically protected zero-energy edge states of noncentrosymmetric superconductors”

**Dmitry Efimkin:** 11:30am – 12:15pm “Fluctuation phenomena in electron-hole bilayers”

**Sriram Ganeshan:** 12:15pm – 1:00pm “Critical integer quantum Hall topology in commensurate and incommensurate Maryland model”

**Break:** 1:00pm – 2:00pm

**Johannes Hofmann:** 2:00pm – 2:45pm “Fermi velocity renormalization in graphene at strong coupling”

**Kostya Kechedzhi:** 2:45pm – 3:30pm “Plasmon anomaly in optical conductivity of disordered graphene”

## Wednesday, October 30

**Weiran Li:** 10:00am – 10:45am “Strongly interacting (repulsive) quantum gases in ultracold atoms”

**Xiaopeng Li:** 10:45am – 11:30am “Chiral orbital state and its detection in novel optical lattices”

**Alejandro Lobos:** 11:30am – 12:15pm “Electrical detection of topological quantum phase transitions in disordered Majorana nanowires”

**Stefan Natu:** 12:15pm – 1:00pm “Many body physics in dipolar Bose gases — near and far from equilibrium”

**Break:** 1:00pm – 2:00pm

**Bitan Roy:** 2:00pm – 2:45pm “Axionic superconductivity in three dimensional narrow-gap semiconductors”

**Valentine Stanev:** 2:45pm – 3:30pm “Time-reversal symmetry breaking in multiband superconductors”

**Robert Throckmorton:** 3:30pm – 4:15pm “Electronic multicriticality in bilayer graphene”

**Xin Wang:** 4:15pm – 5:00pm “Robust quantum gates for spin qubits using composite pulses”

(All are welcome to attend the talks)

