

Junior CES Workshop (APS bldg. 401, Room E1100-1200)

November 9, 2015

Sunday - 11/8

6:00 pm - Junior networking night. Meet at **Guest House**, Continue onto Gordon Biersch (Transportation will be carpooling; any and all locals who are coming will be prevailed upon to give rides)

Monday - 11/9

401, Room E1100-1200

8:45am: Coffee

8:55am: Welcome, Introduction

9:00 am - 9:30 am: Awadhesh Narayan: "Towards finding new ternary transition metal selenides and sulphides"

9:30 am - 10:10 am: Daniel Shoemaker: "What is a materials genome and how can we use it?"

10:10 am - 10:40 am: Ankita Bhutani – "Rapid search for new ternary sulfides and selenides as potential superconductors" "

10:40am - 11:10 am: Coffee break

11:10 am: Introduction

11:15 am - 12:00 pm: Andreas Glatz – "Theory and Simulation of Vortex Matter"

12:00pm - 12:30 pm: Ivan Sadovskyy – "Time-Dependent Ginzburg Landau Simulations in Critical Current by Design"

12:30pm - 1:45p: Lunch & set up posters- 401 Gallery

1:45pm - 2:15pm: Karen Kihlstrom: "Rapid doubling of the critical current in YBCO coated conductors for industrial processing"

2:15pm: Introduction

2:20pm - 3:00pm: Jonathan Rameau: "Static, Time and Angle Resolved Photoemission Spectroscopy"

3:00pm - 3:30pm: Inhee Lee: "Simultaneous Transitions in k-space Topology and Electronic Broken Symmetry in Bi₂Sr₂CaCu₂O₈"

3:30pm - 4:00pm: John Schneeloch: "Neutron scattering study of the anomalous phonon mode in Fe (Te, Se)"

4:00pm - 4:30pm: Sean Vig, **EFRC PI meeting junior finalist**, "Characterization of the low-energy bosonic modes in Bi₂Sr₂CaCu₂O_{8+x} with incipient charge order"

*Junior poster session begins at 4:30 pm, Juniors are free to go anywhere for dinner (list of suggests will be provided; those without transportation should coordinate with fellow EFRC juniors who do have vehicles available), but should be back for the reception at 6:00pm.