

# 2010 CMSN Coordination Meeting

## Predictive Capability for Strongly Correlated Systems

Sunday, March 14, 2010, 4:00 pm

Galleria I, Hilton Portland and Executive Tower

4:10-4:15 Richard Scalettar

“Welcome, Opening Comments”

4:15-4:35 Hitesh Changlani

“Approximating strongly correlated spin and fermion wavefunctions with correlator product states”

4:35-4:55 Chi-Cheng Lee

“Ferro-Orbital Order and Anisotropic Magnetic Structure in Parent Compounds of Iron Pnictides”

4:55-5:15 Jan Kunes

“Beyond MnO: what we learnt about pressure induced metal-insulator transitions in simple TM oxides”

5:15-5:35 Katie Schwarz

“Quantum Monte Carlo backflow calculations of the benzene dimer”

5:35-5:55 Victor Pardo

“Maximally anisotropic point Fermi surface system: VO<sub>2</sub> films embedded in TiO<sub>2</sub>”

5:55-6:15 Katrin Otte

“Parallel electron-hole bilayer from electronic reconstruction at an oxide interface”

6:15-7:00 All

“General Discussion/Closing Comments”