

## INT Program INT 15-1

### Frontiers in Quantum Simulation with Cold Atoms

March 23 – May 8, 2015

**Monday, May 4, 2015**

Room C-421, Physics/Astronomy Tower

- 9:30am Eugene Zaremba, Queen's University  
"Probing the Optical Conductivity of Harmonically-confined Quantum Gases"
- 10:30am Qi Zhou, The Chinese University of Hong Kong  
"Unconventional quantum phenomena of ultracold atoms with synthetic gauge fields"

**Tuesday, May 5, 2015**

Room C-421, Physics/Astronomy Tower

- 9:30am Doerte Blume, Washington State University  
"Static and dynamic properties of one-dimensional ultracold few-atom systems"
- 10:30am Han Pu, Rice University  
"Strongly interacting quantum gases in 1D traps"

**Wednesday, May 6, 2015**

Room C-421, Physics/Astronomy Tower

- 9:30am Peng Zhang, Renmin University of China  
"Few-body problems in ultracold alkali-earth atoms and the mixture of ultracold Bose and Fermi Superfluids"
- 10:30am Erhai Zhao, George Mason University  
"Competing phases in dipolar quantum gas"

**Thursday, May 7, 2015**

Room C-421, Physics/Astronomy Tower

- 10:00am Shina Tan, Georgia Institute of Technology  
TBA

**Friday, May 8, 2015**

Room C-421, Physics/Astronomy Tower

Open Discussions

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