

**Advances in quantum Monte Carlo techniques for non-relativistic many-body systems**

June 24 - 28, 2013

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**Monday, June 24, 2013**

**Room C421, Physics/Astronomy Tower**

- 10:30 am: Greetings and brief introduction
- 10:35 am: Lubos Mitas, North Carolina State Univ  
**"Recent progress in quantum Monte Carlo: pairing wave functions, fermion node nonlinearities and many-body effects"**

**Tuesday, June 25, 2013**

**Room C421, Physics/Astronomy Tower**

- 10:30 am: Timo Lähde, Forschungszentrum Juelich GmbH  
**"Lattice effective field theory for nuclei from  $A = 4$  to  $A = 28$ "**
- 11:30 pm: Ettore Vitali, Università degli Studi di Milano  
**" Dynamical imaginary-time correlations from Auxiliary Fields Quantum Monte Carlo"**

**Wednesday, June 26, 2013**

**Room C421, Physics/Astronomy Tower**

- 10:30 am: Massimo Boninsegni, University of Alberta  
**"Worm Algorithm for large scale Quantum Monte Carlo simulations in continuous space"**

**Thursday, June 27, 2013**

**Room C421, Physics/Astronomy Tower**

- 10:30 am: Sandro Sorella, SISSA  
**"Recent progress in the electronic simulation by ab-initio molecular dynamics and quantum Monte Carlo forces"**

**Friday, June 28, 2013**

**Room C421, Physics/Astronomy Tower**

- 10:30 am: Maurizio Rossi, University of Padova  
**" Path-Integral Ground State Monte Carlo method: the study of quantum liquids and solids"**

**INT Program INT13-2a Participants** June 24-28, 2013

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**Please send or bring a .pdf or .ppt of your talk to Janine at [janine@phys.washington.edu](mailto:janine@phys.washington.edu)**