



## Advanced School on Recent Progress in Strongly Correlated Systems

(25-26 September 2013) 3-4 Mehr 1392

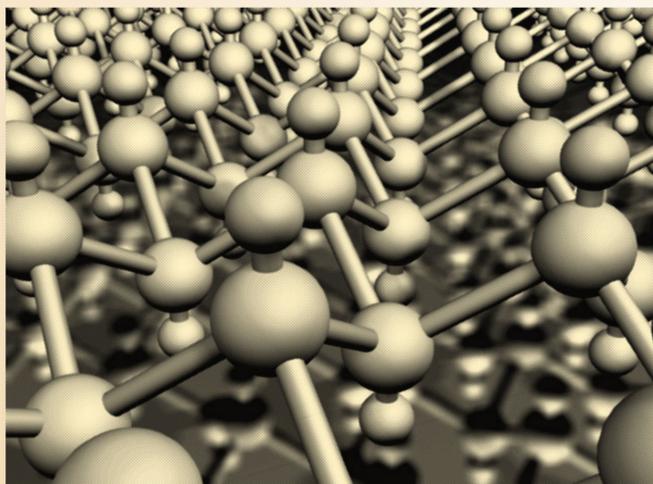
A two day advanced school on recent progress in strongly correlated systems is planned by and held at the school of physics, IPM, Tehran. This school is intended to provide an advanced research information about the on-going activities in the strongly correlated systems. Topical sessions will focus on Cold atoms, Dynamical mean field theory, Slave rotor methods, Topological phase transitions, Spin systems and phase diagrams in one-dimensional fermion systems, and Quantum cluster methods. The school program will incorporate some technical lectures by invited speakers and is open for experimentalists, theorists and PhD students working on the above mentioned topics.

### Organizing Committee:

- Jahanfar Abouie, *IASBS & IPM*
- Reza Asgari, *IPM*
- Abdollah Langari, *SUT*
- Farhad Shahbazi, *IUT*

### Lecturers & Title of Lectures:

- S. Abedinpour, *IASBS*  
Cold atoms
- M. R. Bakhtiari, *Hamburg U.*  
Dynamical Mean-Field Theory for ultra-cold atoms
- Bahman Davoudi Dehaghi, *IPM*  
Competition between charge and spin order in the t-U-V extended Hubbard Model on the triangular lattice
- S. A. Jafari, *Sharif UT.*  
Slave rotor method
- L. Memarzadeh, *Sharif UT.*  
Topological phase transition
- H. Mosadeq, *Shahrekord U.*  
Phase diagrams in fermion systems
- P. Sahebsara, *Isfahan UT*  
Quantum cluster method



More information and online registration form can be found at:  
<http://physics.ipm.ac.ir/conferences/scs2013/index.jsp>

Online registration deadline: 20 Shahrivar 1392

Registration fee: 55,000 Tomans

Email Address: [conf@theory.ipm.ac.ir](mailto:conf@theory.ipm.ac.ir)

