



Advanced School of Recent Progress in Condensed Matter Physics and Strongly Correlated Systems

School of Physics, IPM

(Institute for Studies in Theoretical Physics and Mathematics)

July 5 – 9, 2008

Tehran, IRAN

Lecturers

R. Asgari, IPM, Iran

"Electronic Properties of Graphene"

M. R. Bakhtiari, Helsinki U., Finland

"An Overview on Quantum Gases"

M. Payami, AEOL, Iran

*"Optimized Effective Potential Method
in Electronic Structure Calculations"*

M. R. Rahimitabar, SUT, Iran

"Localization in Disordered Systems"

P. Sahebsara, Sherbrook U., Canada

*"Quantum Cluster Methods for
Strongly Correlated Electron Systems:
Variational Approach"*

M. Zareyan, IASBS, Iran

"Spintronics: Physics & Applications"



Scientific Committee

- H. Akbarzadeh, *IUT*
- R. Asgari, *IPM*
- A. Jafari, *IUT*
- A. Langari, *SUT*
- N. Nafari, *IPM*
- F. Shahbazi, *IUT*

Organizing Committee

- **R. Asgari, IPM**
- **A. Langari, SUT**

A five day advanced school of recent progress in condensed matter physics and strongly correlated systems is planned by and held at IPM, Tehran. This school is intended to provide an advanced research information about the on-going activities in the condensed matter physics and strongly correlated systems.

Topical sessions will focus on localization properties in disordered systems concentrating on the low dimensional physics, spintronic, cold atoms, optical lattice and Bose-Einstein condensation physics, density functional theory, dynamical mean field theory, superconductivity and exploring graphene and its many-body physics description.

Lectures include series of invited talks reviewing aforementioned topics. The school program will incorporate some technical seminars by invited speakers and is open for experimentalists, theorists and students working on the above mentioned topics.

Deadline for Application June 1st 2008

More information and online registration form can be found at:
<http://physics.ipm.ac.ir/conferences/RPCM08>

The registration fee is Rls. 500,000.

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