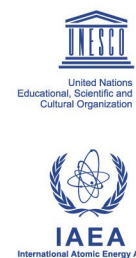




The Abdus Salam

**International Centre
for Theoretical Physics**

www.ictp.it



SCHOOL AND WORKSHOP ON STRONGLY CORRELATED ELECTRONIC SYSTEMS

Novel Materials Meet Novel Theories

10 - 21 August 2015

Miramare, Trieste, Italy

The Abdus Salam International Centre for Theoretical Physics (ICTP, Trieste, Italy) in collaboration with the Institute for Complex Adaptive Matter (ICAM-I2CAM), the Gordon and Betty Moore Foundation, and the Alexander von Humboldt Foundation is organizing the **School and Workshop on Strongly Correlated Electronic Systems — Novel Materials Meet Novel Theories**, to be held in Trieste from 10 to 21 August 2015.

TOPICS

- **New concepts in the fields of unconventional superconductivity and near-critical, strongly correlated electrons**
- **New directions in topological matter**
- **Developments in quantum magnetism**
- **Beyond quasiparticles:
Developments in the theory of "strange" metals**

This School and Workshop will bring graduate and postdoctoral students in condensed matter physics together with experts in the field to learn, discuss and discover the challenges, the latest analytical, computational and experimental developments in correlated electron systems. The tutorial lectures on various aspects of the physics of correlated electrons will be mostly held during the first week. The research talks will be mostly held during the second week.

PARTICIPATION

Scientists and students from all countries that are members of the United Nations, UNESCO or IAEA may attend. As the event will be conducted in English, participants should have an adequate working knowledge of this language. Although the main purpose of the Centre is to help research workers from developing countries, through a programme of training activities within a framework of international cooperation, a limited number of students and post-doctoral scientists from developed countries are also welcome to attend. As a rule, travel and subsistence expenses of the participants should be borne by their home institution. Every effort should be made by candidates to secure support for their fare. However, very limited funds are available for partial support of some participants who are nationals of, and working in, a developing country, and who are not more than 45 years old. Such support is available only for those who attend the entire Workshop. There is no registration fee for attending this activity.

HOW TO APPLY FOR PARTICIPATION

The **Online Application Form** can be accessed at the activity website: <http://indico.ictp.it/event/a14245/>. Comprehensive instructions will guide you step-by-step on how to fill out and submit the application form. **Please apply no later than 10 May 2015.**

SECRETARIAT:

SCHOOL AND WORKSHOP ON STRONGLY CORRELATED ELECTRONIC SYSTEMS

Novel Materials Meet Novel Theories (smr2705)

The Abdus Salam International Centre for Theoretical Physics

Strada Costiera 11, 34151 Trieste, Italy.

Telephone: +39-040-2240544

E-mail: smr2705@ictp.it

Activity Web Page: <http://indico.ictp.it/event/a14245/>

ICTP Home Page: <http://www.ictp.it/>



CO-SPONSORS



GORDON AND BETTY
MOORE
FOUNDATION



Alexander von Humboldt
Stiftung/Foundation

ORGANIZING COMMITTEE

P. COLEMAN

(Rutgers U.)

A. CHUBUKOV

(U. Madison, Wisconsin)

A. SCHOFIELD

(U. Birmingham)

H. TAKAGI

(U. Tokyo)

N. L. WANG

(Peking U.)

M. MÜLLER

(ICTP)

LECTURERS

Jason Alicea (Pasadena, USA)

James Analytis (Berkeley, USA)

Elena Bascones (Madrid, Spain)

Dimitri Basov (San Diego, USA)

Erez Berg (Rehovot, Israel)

Andrei Bernevig (Princeton, USA)

Girsh Blumberg, (Rutgers, USA)

Guanghan Cao (Hangzhou, P.R.China)

Massimo Capone (Trieste, Italy)

Jing-Guang Cheng (Beijing, P.R.China)

Amalia Coldea (Oxford, U.K.)

Radu Coldea (Oxford, U.K.)

Xi Dai (Beijing, P.R.China)

Kedar Damle (Mumbai, India)

Sean Hartnoll (Stanford, USA)

Kristjan Haule (Rutgers, USA)

Aharon Kapitulnik (Stanford, USA)

Hae Young Kee (Toronto, Canada)

Daniel Khomskii (Köln, Germany)

Eun-Ah Kim (Itaca, USA)

Yong-Baek Kim (Toronto, Canada)

Yosuke Matsumoto (Tokyo, Japan)

Srinivas Raghu (Stanford, USA)

Jörg Schmalian (Karlsruhe, Germany)

Suchitra Sebastian (Cambridge, UK)

Takasada Shibauchi (Tokyo, Japan)

Philipp Strack (Boston, USA)

Kai Sun (Ann Arbor, USA)

Oscar Vafeek (Tallahassee, USA)

Ashwin Vishwanath (Berkeley, USA)

DEADLINE

for requesting participation

10 May 2015

