

Summer School and Miniconference on Dynamical Mean-Field Theory for Correlated Electrons: Applications to Real Materials, Extensions and Perspectives

25 July - 3 August 2005

Miramare, Trieste, Italy

The Abdus Salam International Centre for Theoretical Physics is organizing a **Summer School and Miniconference on Dynamical Mean-Field Theory for Correlated Electrons: Applications to Real Materials, Extensions and Perspectives** from 25 July to 3 August 2005. It will be directed by Professors **V. Anisimov** (Inst. of Metal Physics, Ekaterinburg, Russia), and **D. Vollhardt** (University of Augsburg, Germany).

The Structure of the Summer School and Miniconference will be as follows:

The School will take place during the first week, with lectures in the morning and practical sessions in the afternoon.

A 3-day miniconference will take place during the second week. The stress will be on DMFT but there will also be introductions to LDA, LDA+U and LDA+DMFT.

An important feature of the School is that the methods discussed in the morning lectures, will be demonstrated in training sessions in the afternoon with practical realizations of computer codes.

PARTICIPATION

Scientists and students from all countries which are members of the United Nations, UNESCO or IAEA may attend the School. As it 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 the home institution. Every effort should be made by candidates to secure support for their fare (or at least half-fare). However, limited funds are available for 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 activity. There is no registration fee.

The **Application Form** is obtainable from the ICTP WWW server: <http://agenda.ictp.trieste.it/agenda/current/fullAgenda.php?ida=a04200> (which will be constantly up-dated) or from the activity Secretariat. It should be completed and returned before **15 March 2005** to:

Summer Sch. & Miniconference on Dynamical Mean-Field Theory

(smr 1667) (c/o Ms. Patricia Wardell)

the Abdus Salam International Centre for Theoretical Physics

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or

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DIRECTORS

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Preliminary list of LECTURERS

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A. LICHTENSTEIN *(Hamburg)*

T. PRUSCHKE *(Göttingen)*

M. SADOVSKII *(Ekaterinburg)*

S. SAVRASOV *(Newark)*

DEADLINE

for requesting participation

15 MARCH 2005

