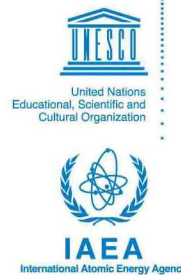




The Abdus Salam
International Centre for Theoretical Physics



Workshop on Frontiers in Ultracold Fermi Gases

6-10 June 2011
Trieste, Italy

The Abdus Salam International Centre for Theoretical Physics (ICTP) is organizing a **Workshop on Frontiers in Ultracold Fermi Gases**, which will be held at ICTP, Trieste, Italy, from 6 to 10 June 2011.

This workshop aims to provide an overview of the recent progresses in the field of research of ultracold Fermi gases. This area attracted in the last years an increasing attention, also due to the impressive progresses in the experimental manipulation of such systems. It is foreseeable that in the near future new important results will be obtained, ranging from the study of Fermi gases in optical lattices to the use of ultracold fermions for simulating strongly correlated systems. The Workshop is then expected to be a timely occasion to discuss the state of art, perspectives and open problems in the field. The main topics are

- fermions in optical lattices
- superfluidity
- simulations of models with strong correlations
- magnetism
- quantum devices
- lower dimensions
- disorder

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 that 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.**

HOW TO APPLY

The application form can be accessed at the activity website:

<http://agenda.ictp.it/smr.php?2243>

Once in the website, comprehensive instructions will guide you step-by-step on how to fill out and submit the application form.

The closing date for receipt of requests of participation requesting funding and VISA support is **6 FEBRUARY 2011**, other applications may be submitted by **6 APRIL 2011**.

Secretariat:

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Workshop web page: <http://agenda.ictp.it/smr.php?2243> ICTP Home Page: www.ictp.it

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