

# Conference on Computational Cosmology

31 May - 4 June 2005

Miramare - Trieste, Italy

The Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste will organize a **Conference on Computational Cosmology**, to take place from **31 May to 4 June 2005**. The purpose of this Conference is to bring together various experts in this area to have several days of focused discussion on the current state of the field and future directions. We plan to have one half-day session for each of the topics below, followed by an excursion to visit local attractions on the last day.

## Programme topics:

- 1) *linear theory, data analysis of large CMB/LSS datasets*
- 2) *N-body and hydrodynamical simulation methods*
- 3) *N-body simulation applications and statistics*
- 4) *substructure and halo profiles*
- 5) *hydrodynamic simulation applications and statistics*
- 6) *galaxy simulations: semianalytic methods and hydrodynamics*
- 7) *galaxies and black holes*
- 8) *radiative transfer, winds, IGM*
- 9) *first objects, reionization, 21cm*

Scientists and students from all countries that are members of the United Nations, UNESCO or IAEA may attend the Conference. Although the main purpose of the ICTP is to help researchers from developing nations through a programme of training activities within a framework of international cooperation, students and post-doctoral scientists from developed countries are also welcome to attend. The Conference will be conducted in English.

As a rule, travel and subsistence expenses of the participants are borne by the home institution. However, limited funds are available for applicants from, and working in, developing countries only, to be selected by the Organizers. As scarcity of funds allows travel to be granted only in a few exceptional cases, every effort should be made by candidates to secure support for their fare (or at least partial fare) from their home country. Scientists from developed countries are welcome to attend but cannot be offered a subsidy. A limited number of rooms has been reserved at the conference hotel. There is no registration fee to attend the Conference.

Those interested in participating should complete and return the "Request for Participation" form (also obtainable from the ICTP WWW server: <http://agenda.ictp.trieste.it/smr.php?1659> (which will be constantly updated) or from the activity Secretariat, before **1 March 2005** to:

[smr1659@ictp.trieste.it](mailto:smr1659@ictp.trieste.it) (please save and send file attachments in RTF format)

or

the Abdus Salam International Centre for Theoretical Physics  
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## Directors

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**Deadline:**

**1 March 2005**

