



The Abdus Salam International Centre for Theoretical Physics (ICTP), in collaboration with the Asia Pacific Center for Theoretical Physics (APCTP), the International School for Advanced Studies (SISSA) and the Italian Institute for Nuclear Physics (INFN), will hold a

# SPRING SCHOOL on SUPERSTRING THEORY and RELATED TOPICS

28 March - 5 April 2011

Miramare, Trieste, Italy

## TOPICS:

- Strongly Coupled Quantum Fields and Condensed Matter Systems
- Toward Holographic Duality for Black Holes and Cosmology
- AdS<sub>3</sub>/CFT<sub>2</sub> Duality
- Scattering Amplitudes in N=4 SYM
- Primordial Cosmology
- Dark Matter
- New Physics at LHC

The Aim of the activity is to provide pedagogical treatment of these subjects in the form of a series of lectures by individual speakers. The activity is intended for theoretical physicists or mathematicians with knowledge of quantum field theory, general relativity and string theory.

## 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, students and post-doctoral scientists from advanced 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 to be paid.

## HOW TO APPLY FOR PARTICIPATION

The **Application Form** can be accessed at the activity website: <http://agenda.ictp.it/smr.php?2230>. Once in the website, comprehensive instructions will guide you step-by-step, on how to fill out and submit the application form.

## ACTIVITY SECRETARIAT:

**Spring School on Superstring Theory and Related Topics** (smr2230)

the Abdus Salam International Centre for Theoretical Physics

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Activity Web Page: <http://agenda.ictp.it/smr.php?2230>

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

## ORGANIZERS:

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(Stanford University)

## LECTURERS INCLUDE:

**L.F. ALDAY**  
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(Perimeter Institute)

**R. GOPAKUMAR**  
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(\*) to be confirmed

**DEADLINE**  
for requesting participation

**25 January 2011**