

The Abdus Salam International Centre for Theoretical Physics (ICTP), in collaboration with 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**

**14 - 22 March 2005**

**Miramare, Trieste, Italy**

## **TOPICS:**

- \* **AdS/CFT, integrable systems and spin chains**
- \* **Topological string theory**
- \* **Covariant quantization of superstrings**
- \* **Open/closed string duality**
- \* **4-dimensional superconformal field theories**
- \* **Flux compactifications - Supergravity solutions and effective actions**

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 theories.

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.

The **Application Form** is obtainable from the ICTP WWW server: <http://agenda.ictp.trieste.it/smr.php?1649> (which will be constantly up-dated) or from the activity Secretariat. It should be completed and returned before **31 December 2004** to:

### **Spring School on Superstring Theory and Related Topics**

(smr 1649 - c/o Ms. Rosanna Sain)

the Abdus Salam International Centre for Theoretical Physics  
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or

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## **ORGANIZERS:**

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## **LECTURERS INCLUDE:**

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## **DEADLINE**

**for requesting participation**

**31 December 2004**

