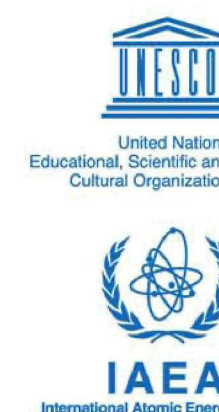




The Abdus Salam
International Centre for Theoretical Physics



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

INTRODUCTORY SCHOOL on GAUGE THEORY/GRAVITY CORRESPONDENCE

19 - 30 May 2008

Miramare, Trieste, Italy

TOPICS:

- Introduction to Super Yang-Mills theory and Super Conformal algebras
- Supergravity theories and their D-brane solutions
- AdS/CFT duality
- non-AdS/non CFT dualities
- Applications to quark-gluon plasma
- Holographic QCD

The purpose of this School is to introduce the listed topics in a pedagogical manner. The lectures are aimed at graduate students and young researchers who wish to work on the field. It is expected that the participants have a basic knowledge of quantum field theory, Yang-Mills theory, general relativity and some supersymmetry.

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.

The **Application Form** is obtainable from the ICTP WWW server: <http://agenda.ictp.it/smr.php?1943> (which will be constantly up-dated) or from the activity Secretariat. It should be completed and returned before **29 February 2008** to:

Introductory School on Gauge Theory/Gravity Correspondence

(smr 1943 c/o Ms. Nadia van Buuren)
the Abdus Salam International Centre for Theoretical Physics
Strada Costiera 11, 34014 Trieste, Italy.

or

smr1943@ictp.it [please save and send file attachments in either PDF (preferably) or RTF zipped or Doc format]

Activity Secretariat: Telephone: +39 040 2240 363 - Telefax: +39 040 2240 7363 - E-mail: smr1943@ictp.it
ICTP Home Page: <http://www.ictp.it/>



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DEADLINE
for requesting participation

29 February 2008