

INTRODUCTORY SCHOOL ON Recent Developments in Supersymmetric Gauge Theories

14 - 25 June 2004

Miramare, Trieste, Italy

TOPICS:

- Introduction to N=1,2 super Yang-Mills theory
- Anomalies and non-renormalization theorems
- Instanton physics
- Holomorphicity and Seiberg duality
- Seiberg-Witten solution of N=2 super Yang-Mills
- Super potentials and matrix models

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 supersymmetric field theories and related subjects. It is expected that the participants have a basic knowledge of quantum field theory, Yang-Mills theory 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 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 from developing countries, to be selected by the organizers. There is no registration fee.

The **Application Form** is obtainable from the ICTP WWW server: <http://agenda.ictp.trieste.it/smr.php?1566> (which will be constantly updated) or from the activity Secretariat. It should be completed and returned before **20 March 2004** to:

Introductory School on Recent Developments in Supersymmetric Gauge Theories

(smr 1566) (c/o Ms. Suzie Radosic)

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APPLICATION DEADLINE

20 March 2004