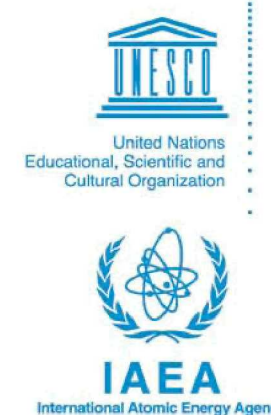




The Abdus Salam
International Centre for Theoretical Physics



School on Astrophysical Turbulence and Dynamos

20 - 30 April 2009

Miramare, Trieste, Italy

BRIEF DESCRIPTION

Astronomical observations, and progress in numerical simulations and analytical theory, have contributed greatly to our understanding of magnetohydrodynamic turbulence and dynamo action. Despite the progress, many topics continue to remain controversial, and are active areas of research. This School aims to provide an introduction to astrophysical turbulence and dynamos, as well as a flavour of current research in a one-day Symposium. A tentative programme is available on the School website given below, where more information will be posted.

TOPICS

Basic Fluid Dynamics, Magnetohydrodynamics (MHD), Galaxies and the Universe, Fluid Turbulence, MHD Turbulence, Dynamo Theory, Numerical Experiments in Turbulence and Dynamos, Turbulence due to the Magneto-Rotational Instability, Dynamos in the Sun, Galaxies and Clusters of Galaxies.

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 available on the ICTP WWW server: <http://agenda.ictp.it/smr.php?2027> (which will be constantly updated) or from the activity Secretariat. It should be completed and returned before **30 November 2008** to:

School on Astrophysical Turbulence and Dynamos
(smr 2027) (c/o Ms. Suzie Radosic)
the Abdus Salam International Centre for Theoretical Physics
Strada Costiera 11, 34014 Trieste, Italy.
or

smr2027@ictp.it (please send attachments in PDF format)

Telephone: +39-040-2240226 Telefax: +39-040-22407226
E-mail: smr2027@ictp.it
ICTP Home Page: <http://www.ictp.it>

DIRECTORS

AND

LECTURERS

A. Brandenburg (Nordita, Sweden)

A. Shukurov (Univ. Newcastle, U.K.)

S. Sridhar (RRI, India)

K. Subramanian (IUCAA, India)

LOCAL ORGANIZER

K.R. Sreenivasan (ICTP)

INSTRUCTORS

B. Dintrans (Obs-MiP Toulouse, France)

A. Fletcher (Univ. Newcastle, U.K.)

T. D. Saini (IISc, India)

S. K. Sethi (RRI, India)

S. Sur (IUCAA, India)

APPLICATION DEADLINE

30 November 2008