

WORKSHOP ON THEORETICAL PLASMA PHYSICS

5 - 16 July 2004
Miramare, Trieste, Italy

TOPICS

- * **Collective Phenomena in Flow Dominated Plasmas**
- * **Relativistic Astrophysical Flows**
- * **Magneto-Fluid Unification**
- * **New Self-Organized Equilibrium States in Laboratory**
- * **Astrophysical Dynamos**
- * **Collective Interactions in Dusty Plasmas**
- * **Nonlinear Waves and Structures in Space Plasmas**
- * **Laser Plasma Interactions and Plasma Based Particle Accelerators**
- * **Novel Laboratory Experiments**
- * **Quantum-like Models in Plasmas and Nonlinear Optics**

Scientific Advisory Committee (5 - 11 July):

G. Bodo (Italy), S. Cowley (USA), P. Diamond (USA), A. Ferrari (Italy), V. Krishan (India), D. Lethrop (USA), G. Machabeli (Georgia), R. Opher (Brazil), E. Parker (USA).

Preliminary List of Speakers (12 - 16 July):

R. Bharuthram (South Africa), A. Cairns (UK), U. de Angelis (Italy), A. Hasegawa (Japan), V. Fortov (Russia), D. Jovanovic (Serbia and Montenegro), V. Karpman (Israel), M. Koepke (USA), G. Lakhina (India), M. Lampe (USA), A. Lazarian (USA), Lin I (China), M. Lisak (Sweden), A.A. Mamun (Bangladesh), A. Mendis (USA), G. Morfill (Germany), M. Nambu (Japan), F. Pegoraro (Italy), O. Pokhotelov (Russia), K. Quest (USA), H. Pecseli (Norway), J.J. Rasmussen (Denmark), A. Serbeto (Brazil), A. Sen (India), H. Schamel (Germany), V. Shapiro (USA), R. Stenzel (USA), D. Tskhakaya (Georgia), F. Verheest (Belgium).

Participation

Scientists and students from all countries which are members of the United Nations, UNESCO or IAEA may attend the Workshop. 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, a limited number of 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 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.

The **Application Form** is obtainable from the ICTP WWW server: <http://agenda.ictp.trieste.it/agenda/current/fullAgenda.php?ida=a0352> (which will be constantly up-dated) or from the activity Secretariat. It should be completed and returned before **1 February 2004** to:

Workshop on Theoretical Plasma Physics
(smr1571)

the Abdus Salam International Centre for Theoretical Physics
Strada Costiera 11, 34014 Trieste, Italy.

or

smr1571@ictp.trieste.it (please save and send file attachments in RTF format)

Telephone: +39-040-2240544 Telefax: +39-040-2240585

E-mail: smr1571@ictp.trieste.it

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

Directors

first week

S.M. Mahajan

(Institute for Fusion Studies,
University of Texas at Austin,
USA)

B. Dorland

(University of Maryland, USA)

A. Rogava

(Abastumani Astrophysical
Observatory, Tbilisi, Georgia)

Z. Yoshida

(University of Tokyo,
Graduate School of Frontier
Sciences, Tokyo, Japan)

second week

P.K. Shukla

(Ruhr-Universitat, Bochum,
Germany)

R. Bingham

(Rutherford Appleton
Laboratory, Didcot, UK)

J.T. Mendonca

(Instituto Superior Tecnico,
Lisboa, Portugal)

L. Stenflo

(Umea University, Sweden)

Local Organizer

B. Stewart

(ICTP, Trieste, Italy)

Deadline:

1 February 2004

