



JOINT ICTP-IAEA COLLEGE ON PLASMA PHYSICS

1 -12 October 2012
(Miramare - Trieste, Italy)

Brief Description

The main objective of this college is advanced pedagogical training for participants from the developing countries. Student and researcher participation from “north countries” is also encouraged. The college program is designed to: 1) stimulate the participants to develop an advanced understanding and perspective of elementary and basic ideas on plasma physics, and 2) train students and researchers in recent developments and advances in experiments, design, theory, modeling, and numerical computation so that their research and dissemination abilities are honed.

Topics

- Elementary as well as advanced treatment of fundamental processes in plasma physics, collective phenomena, coherent nonlinear phenomena, self-organization, plasma turbulence.
- Their applications to Magnetic Fusion (theory, experiments, design, and simulations), laser generated plasmas, astrophysical and cosmic plasmas (solar, planetary magnetospheres, jets etc.), and exotic plasmas (relativistic, quantum, quantum-relativistic). Fusion applications will be emphasized.

Poster session

A poster session to highlight participant research will be organized.

Participation

Scientists from all countries that are members of the United Nations, UNESCO or IAEA may attend the College. As the activity will be conducted in English, participants should have an adequate working knowledge of this language. There is no registration fee. Travel and subsistence expenses of participants should be borne by their home institutions. Limited funds are available for some participants who are nationals of, and working in, a developing country, to be selected by the Organizers. However, every effort should be made by candidates to secure at least partial support for their travel expenses.

How to apply

The online application form can be accessed on the activity's website: http://cdsagenda5.ictp.it/full_display.php?agenda_id=3619
Once in the website, comprehensive instructions will guide you step-by-step on how to fill out and submit the application form.

SECRETARIAT

E-mail: smr2369@ictp.it Telephone: +39-040-2240555 Telefax: +39-040-224163

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

Directors

Swadesh MAHAJAN

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

Zensho YOSHIDA

University of Tokyo, Japan

Richard KAMENDJE

International Atomic Energy Agency, Vienna, Austria

Daniel O. GOMEZ

Instituto de Astronomia y Fisica del Espacio, Buenos Aires, Argentina

Local Organizer

Joseph NIEMELA

ICTP, Trieste, Italy

Scientific advisory committee

L. Chen (US/China)
S. Cowley (UK)
R. Galvao (Brazil)
A. Hasegawa (Japan)
J. Herrera (Mexico)
M. Kikuchi (Japan)
V. Krishan (India)
J. Li (China)
P. Morrison (US)
F. Pegoraro (Italy)
S. Prager (US)
R. Dewar (Australia)
H. Saleem (Pakistan)
A. Sen (India)
T. Tajima (Japan)
F. Zonca (Italy)

Application Deadline

31 May 2012