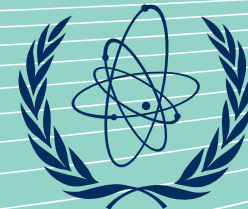


Joint ICTP-IAEA College on Plasma Physics



IAEA

International Atomic Energy Agency

29 October - 9 November 2018
Trieste, Italy

Further information:
<http://indico.ictp.it/event/8335/>
smr3239@ictp.it

The plasma college will be devoted to a very broad and fast developing field that encompasses the study of macroscopic “collective phenomena” in a variety of settings, spanning the classical/quantum domains, laboratory, space, astrophysics, and cosmological systems, magnetic and laser induced fusion, laser created high energy density physics, etc.

Topics:

- Elementary / advanced treatment of fundamental processes in plasma physics-collective phenomena, coherent nonlinear phenomena, self-organization, plasma turbulence.
- Applications to magnetic fusion theory, experiments, design and simulation. A scientific review of magnetic fusion research all the way to JET and ITER will be provided.
- Applications to astrophysical/cosmic plasmas (solar, planetary and stellar magnetospheres, jets etc.), and exotic plasmas (general relativistic, quantum, quantum-relativistic). Magneto-genesis and generation of cosmic flows.
- The physics of laser-generated plasmas (fusion, high energy density matter and laboratory astrophysics).

Directors:

S. Mahajan, University of Texas at Austin, USA
D. Gomez, University of Buenos Aires, Argentina
S. Gonzales-de-Vicente, IAEA, Vienna, Austria
Z. Yoshida, University of Tokyo, Japan

Local Organizer:

J. Niemela, ICTP

How to apply:

Online application:
<http://indico.ictp.it/event/8335/>

Female students and scientists are encouraged to apply.

Grants:

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries. There is no registration fee.

Deadline:

15 July 2018



The Abdus Salam
International Centre
for Theoretical Physics
www.ictp.it
Trieste, Italy

