



ICPP 2004
NICE, FRANCE
25-29 October 2004

12th International Congress on Plasma Physics



Second announcement and call for papers

<http://www-fusion-magnetique.cea.fr/ICPP2004/>

Organization

The 12th International Congress on Plasma Physics is organized by the Euratom-CEA association on behalf of the ICPP International Advisory Committee.

Location / Congress site

12th ICPP will be held in Nice, on the French Riviera, from October 25 to 29, 2004. The congress will be hosted at the Acropolis congress centre, within a walking distance from the beaches, the harbour, the old town, the open air markets and the "Promenade des Anglais". Acropolis is 7 km (15 mn) from the International Nice-Côte d'Azur airport and 4 km (10 mn) from the railway station.

Congress scope

This congress continues the series of ICPP congresses. Both theoretical and experimental results will be presented and discussed. The official congress language is English.

Scientific Programme

The scientific programme will include invited papers (about 10 plenary and 30 review), as well as oral and poster presentation of contributed papers. A provisional list of invited speakers is :

- Rod **Boswell** (Australian National University, Canberra, Australia)
Current-free double-layers in the laboratory and their applications to space plasmas
- Clarisse **Bourdelle** (CEA Cadarache, France)
Turbulent Particle Transport in Magnetized Fusion Plasma
- Diego **del-Castillo-Negrete** (Oak Ridge National Laboratory, USA)
Self-consistent chaos in a mean field Hamiltonian model of fluids and plasmas
- Fabrice **Doveil** (CNRS, Marseille, France)
Wave particle interaction investigated in a travelling wave tube
- David **Graves** (University of California, Berkeley, USA)
Plasma chemistry and physics
- Satoshi **Hamaguchi** (Kyoto University, Japan)
Nano-scale Surface Chemical Reactions during Plasma-Wall Interactions
- Jeffrey **Hangst** (University of Aarhus, Denmark)
Experiments to produce antihydrogen
- Tom **Killian** (Rice University, USA)
Ultracold plasmas
- Yasuhito **Kiwamoto** (Kyoto University, Japan)
Controlled experiments on self-organization of ordered structures in a pure electron plasma
- Sergey **Lebedev** (Imperial College, London, UK)
The physics of wire array implosions
- A **Mamun** (Jahangirnagar University, Dhaka, Bangladesh)
Nonlinear waves and structures in dusty plasmas
- Jacques **Pelletier** (CNRS Grenoble, France)
Plasma-based ion implantation : a valuable technology for the elaboration of innovative materials and nano-structured thin films
- Konstantin **Shamrai** (Institute for Nuclear Research, Kiev, Ukraine)
Wave Stimulated Phenomena in Inductively Coupled Magnetized Plasmas
- Reinhard **Schlickeiser** (Rühr University, Bochum, Germany)

The origin of cosmic magnetic fields

- Ilija **Stefanovic** (Rüth University, Bochum, Germany)
Nanoparticles designed from low pressure plasmas as model particles for astrophysical dust clouds
- Kunihide **Tachibana** (Kyoto University, Japan)
Microplasma phenomena
- Michael **Tendler** (Royal Institute of Technology, Stockholm, Sweden)
Plasma based total treatment of waste and low grade energy sources
- David **Tskhakaya** (University of Innsbruck, Austria)
Kinetic (PIC) simulations of the magnetised plasma-wall transition

The list of invited papers will be updated on the web site of the Congress.

As in previous ICPP conferences, a forum discussion will be organized on Friday Afternoon. The theme will be: "Education and the transmission of knowledge to future generations in plasma physics".

Topics

- A. Plasma Applications
- B. Space and Astrophysical Plasmas
- C. Fundamental Plasma Physics
- D. Fusion Plasmas

Call for Papers and Submission of Abstracts

Authors are invited to submit abstracts on any of the above topics. The deadline for receipt of abstracts is **April 25, 2004**. Abstracts must be **submitted by e-mail** as attached document, at the address icpp2004@cea.fr. Abstracts submitted by fax or postmail will not be accepted. Only a **MS Word, RTF or PDF** version of the completed Abstract Submittal Form will be accepted. Notices will be sent by e-mail confirming receipt.

Abstract Format (see template in the Abstract Submittal Form): the abstract must fit within half of a standard A4 page. The half-page abstract must contain the title, author(s), and affiliation(s) as a heading. It must be single spaced with the title centered at the top in bold, followed by the author name(s) and affiliation(s) centered and in normal font under the title. The affiliation(s) should be italicized. All fonts are to be 10 point Times (Times New Roman) with the exception of mathematical equations which may use Symbol font.

Oral/poster preferences and topic are to be mentioned in the Abstract Submittal Form. Abstracts will be reviewed by the Programme Committee. Notification of acceptance with confirmation of topic and oral/poster choice will be sent in June.

A programme book with all the contributed and invited abstracts will be distributed at the meeting.

At least one author listed on an abstract should be a registered congress participant for the abstract to appear in the Abstracts book. The presenter of an oral talk or poster must be a registered participant.

Contributed papers

Selection of contributed papers for oral or poster presentation will be based on the abstracts, and be performed by the Programme Committee. The committee will reject those which do not reach a sufficiently high standard, fall outside the scope of the congress, describe designs or results which have been previously presented elsewhere, or are considered more suitable for other meetings.

Detailed instructions for the preparation of the full papers, the posters, and the oral presentations will be sent together with notification of acceptance.

Proceedings

The proceedings will be available on internet (e-proceedings). Each contributed paper will only be included in the proceedings if the registration fee has been paid.

In addition, invited papers will be reviewed and published in Plasma Physics and Controlled Fusion. The reviewing process will be performed during the weeks after the congress, for a special issue available in the first half of 2005.

Satellite Meeting

Two satellite meetings are scheduled within the scope of the congress.

Hamiltonian Systems, Control and Plasma Physics, 21-23 October 2004, Fréjus (France).

Web site : <http://www.cpt.univ-mrs.fr/~hscopp04>

Workshop on Electric Fields, Turbulent Structures and Relaxation in Edge Plasmas 26-27 October Acropolis Nice (France).

Web site : <http://www.ipp.cas.cz/Tokamak/conf/efsrep04/>

Exhibition

A Technical exhibition will be on display during the congress. Information for exhibitors will be found on the website

Important Dates

Deadline for abstracts 25 April 2004

Notification to authors..... June 2004

Deadline for registration/accommodation 31 August 2004

Final papers due..... 25 October 2004

Registration

Registration to the Congress will be made following the instructions available on the website.

The registration fees are :

360 € before 31 August 2004

450 € after 31 August 2004

for students :

200 € before 31 August 2004

250 € after 31 August 2004

The fees include access to the Congress Centre, the Book of Abstracts, the Proceedings, the special issue of Plasma Physics and Controlled Fusion, the welcome reception and coffee breaks.

Cancellation Policy

Refund of registration fees will be made as follows:

before August 31 2004 : full refund less bank and handling charges

from August 31 2004 : no refund

Visa

The Organizing Committee can provide an official invitation letter to those who need to obtain a visa.

Financial support

A limited number of grants should be available for participants from developing countries for partial financial support to attend the Congress. The recipients and the amount of financial support will be decided on the ground of scientific and financial considerations by the Chairman of the Congress. Application should be made by email (icpp2004@cea.fr), before April 25.

Social programme

A full programme of visits and excursions for accompanying persons will be organized. As there will be no sessions on Wednesday afternoon, a free visit to the Cadarache site is planned for participants and accompanying persons.

A free reception will be organized on the evening of Monday 25, to welcome all participants to the congress.

The congress dinner will be held on Thursday 28 at the “Palais de la Méditerranée”, the newly renovated Palace on the “Promenade des Anglais”

Accommodation

A sufficient number of rooms have been reserved to the ICPP participants, within a walking distance of the Acropolis congress centre. Participants are strongly advised to make their reservations as early as possible and not later than August 31, 2004.

Contacts: All information is available on the congress web site:

<http://www-fusion-magnetique.cea.fr/ICPP2004/>

e-mail : icpp2004@cea.fr

You can also contact the Local Organizing Committee by mail:

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