



THEORY OF FUSION PLASMAS

JOINT VARENNIA - LAUSANNE INTERNATIONAL WORKSHOP

Villa Monastero, Varenna, Italy
August 30 – September 3, 2010

This Meeting is devoted to the Theory of Magnetic Confinement Systems

Organized by

- Centre de Recherches en Physique des Plasmas, Ecole Polytechnique Fédérale de Lausanne, Association EURATOM - Confédération Suisse
- "Piero Caldirola" International Center for the Promotion of Science and International School of Plasma Physics
- Istituto di Fisica del Plasma del CNR, Milano

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- "Piero Caldirola" International Center for the Promotion of Science and International School of Plasma Physics
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"Piero Caldirola" International Centre for the Promotion of Science and International School of Plasma Physics

D. Palumbo, President

E. Sindoni, Director

List of Topics

- 1) Anomalous Transport (Turbulence, Coherent Structures, Microinstabilities)
- 2) RF Heating and Current Drive
- 3) Non Axisymmetric Configurations
- 4) Macroinstabilities and Magnetic Reconnections
- 5) Theoretical Aspects of Plasma-Edge Physics and Divertors
- 6) Theoretical issues related to burning plasmas

Presentations discussing ITER-related topics are particularly welcomed

Contributed Papers

In addition to invited survey papers, contributed papers (poster only) will be selected on the basis of a one-page abstract. The [LaTeX templates](#) required for the papers can be used for the submitted abstracts as well (see below). Abstracts should be sent in pdf format, file name as "NAME_Varenna10_abstr.pdf", by June 18, 2010 to:

O. SAUTER, CRPP/EPFL, Station 13, PPB-Ecublens,
CH 1015 Lausanne, Switzerland

Fax +41-21-6935176

e-mail: [Varenna-Lausanne"at"epfl.ch](mailto:Varenna-Lausanne)

Proceedings

Proceedings are published in the book series "Theory of Fusion Plasmas". For the first time, in 2010, papers will be published in a refereed journal with IOP. The journal will be Plasma Phys. Contr. Fusion ([PPCF](#)), for the main papers, and Journal of Physics Conference Series ([JPCS](#)) for the other papers.

The papers published in [PPCF](#) will follow the usual refereeing process of this journal and will be published as a cluster of papers related to the Varenna-Lausanne Theory of Fusion Plasmas 2010 Conference.

The papers published in [JPCS](#) will be refereed mainly by the scientific committee and participants of the conference, supervised by X. Garbet and O. Sauter, acting as Editors. The [JPCS](#) papers will have a header stating explicitly that the papers have been refereed. Naturally, the refereeing process will be lighter (typically one referee) than the [PPCF](#) publication.

When submitting the paper, the author can propose a publication in [PPCF](#) or [JPCS](#), however the final decision is under the responsibility of the scientific committee. Typically invited papers will be published in [PPCF](#) and contributed papers in [JPCS](#).

Papers, invited (10-12 pages) and contributed (6-8 pages), have to follow the LaTeX guidelines and templates given in the following zip file: [ioplatexguidelines.zip](#)

The deadline for the paper is the week of the conference. Thus either you send the paper before August 30, 2010, by email to [Varenna-Lausanne"at"epfl.ch](mailto:Varenna-Lausanne) or you bring it to the registration desk during the conference.

Registration Fee

Registration fee: 350 EUROS (students 200 EUROS) should be paid in Varenna at the registration desk.

Alternatively, the same fee can be paid by July 31, 2010, by bank transfer to:

Banca Popolare di Lecco, Division of the Deutsche Bank, Via IV Novembre, 23829 VARENNIA (LC), Italy,

Account opened in favour of "Piero Caldirola International Center":

IBAN: IT64 M031 0451 8300 0000 0009 500 - SWIFT code: DEUTITM1029

Please, state as motivation of payment: **your full name – Participation "Theory 2010"**

All bank expenses are at participants' charge.

The fee covers admission to the Workshop and social events..

Applications

Application and hotel reservation form can be obtained from the Organizing Secretariat at the following address:

Ms. Donatella Pifferetti

Via Nazionale, 85 – 23821 ABBADIA LARIANA (LC), Italy

Fax +39-0341-1881062

e-mail: [theory10"at" ispp.it](mailto:theory10)

Deadline for application: June 10, 2010

Further Information can be obtained from:

For scientific questions:

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e-mail: [Varenna-Lausanne"at"epfl.ch](mailto:Varenna-Lausanne)

<http://Varenna-Lausanne.epfl.ch>

or

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