



THEORY OF FUSION PLASMAS JOINT VARENNA - LAUSANNE INTERNATIONAL WORKSHOP

Villa Monastero, Varenna, Italy
September 12 – 16, 2022

WORKSHOP IS DEVOTED TO THE THEORY OF MAGNETIC CONFINEMENT SYSTEMS

ORGANIZED BY

- Swiss Plasma Center, Ecole Polytechnique Fédérale de Lausanne
- International Center Piero Caldirola (ICPC), Milan
- Istituto per la Scienza e la Tecnologia dei Plasmi - CNR, Milan
- Università degli Studi di Milano-Bicocca

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"Piero Caldirola" International Centre for the Promotion of Science and International School of Plasma Physics (ICPC)

Prof. E. Sindoni, Honorary President – Prof. Giuseppe Gorini, President

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

ABSTRACTS

The abstracts should be sent by **June 17th, 2022**
Post-deadline abstracts accepted until **September 2nd, 2022**

Sent in pdf format, file name as "**NAME_Varenna22_abstr.pdf**", by to:
Prof. J. P. Graves, SPC/EPFL, Station 13, PPB-Ecublens,
CH 1015 Lausanne, Switzerland

SPECIAL ISSUE PROCEEDINGS PAPERS

Papers will be published in two special issue IOP refereed journals:

- Invited oral and selected poster contributor papers will be published in Plasma Phys. Contr. Fusion (PPCF)
- Poster contributor papers will usually be published in the Journal of Physics Conference Series (JPCS)

Papers published in PPCF will follow the usual refereeing process of that journal, published as a cluster of papers related to the Varenna-Lausanne Theory of Fusion Plasmas 2022 Conference. Follow the guidelines and the LaTeX templates of PPCF. For invited speakers the submission deadline to PPCF is the end of September 2022. For poster contributors YOU NEED to send a justification for your intention of submitting to PPCF instead of JPCS, and a pdf of the manuscript, by **September 2nd, 2022**; a decision on the submission destination will be made by the start of the conference. Poster contributors should send the justification and pdf manuscript to:

Varenna-Lausanne@epfl.ch

Papers published in JPCS will be refereed mainly by the scientific committee and participants of the conference, supervised by Editors P. Helander and J. P. Graves. 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. Follow the guidelines and the LaTeX templates. Note that YOU NEED TO PROVIDE THE PDF PAPER BY FRIDAY **September 2th, 2022**, so that we can organize the refereeing process in due time. Send to:

Varenna-Lausanne@epfl.ch

REGISTRATION FEE

Registration fee: 500 EUROS (students 300 EUROS)

The registration fee covers admission to the workshop and social events.

Remote participation possible with modest reduction in registration fee (exact fee to be confirmed). In person participation is encouraged.

Pay by bank transfer **before July 29, 2022 to:**

Banca Popolare di Sondrio, Italy. Account opened in favour of
"International Center Piero Caldirola"

IBAN: IT40B0569651490000041377X47 BIC/SWIFT: POSOIT22XXX

Please, state as motivation of payment: **YOUR FULL NAME - Participation "Theory 2022"**
All bank expenses are at participants' charge. Should the net amount transferred to the bank account be less than the requested amount, the difference will be charged to participants at the conference.

Alternatively we accept **cash payment** in Varenna at the registration desk.

Note credit cards cannot be accepted for payment of the registration fee.

APPLICATIONS

Deadline for application: June 17, 2022

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

Mrs Donatella Pifferetti

Phone +39-39-349 3537772

email: secretariat@icpc.it

website: <https://www.icpc.it/>

FURTHER INFORMATION CAN BE OBTAINED VIA:

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