



[\[Back to start page\]](#) [\[PDF version\]](#)

The 35<sup>th</sup> European Physical Society Conference on  
***Plasma Physics***  
*combined with the*  
***10<sup>th</sup> International Workshop on Fast Ignition of Fusion Targets***



was held in the

**Creta Maris Conference Center, Hersonissos, Crete, Greece.**

The conference was organised on behalf of the [European Physical Society](#)  
by the [Institute of Electronic Structure and Laser FORTH](#) and [Association EURATOM - Hellenic Republic](#)



## Preface of the Editors

The 35<sup>th</sup> European Physical Society (EPS) Conference on Plasma Physics was held in Hersonissos, Crete, Greece, at the Creta Maris Conference Centre from 9<sup>th</sup> to 13<sup>th</sup> of June, 2008.

The scientific programme of the conference and the selection of papers were the responsibility of the international Programme Committee appointed by the board of the EPS Plasma Physics Division. This committee selected 14 invited plenary talks and 68 invited parallel talks. The PC also selected 65 contributed orals and 648 posters for presentation. The 35<sup>th</sup> EPS Conference brought together 742 plasma physicists from 40 countries.

The Conference Programme had three additional sessions: "Education in Plasmas" chaired by N. Lopes Cardoso, "ITER" chaired by Jo Lister, and "Women in Physics" chaired by S. Jacquemot.

This year's Hannes Alfvén prize was awarded to **Prof. Liu Chen** (University of California, Irvine, USA), who gave a talk entitled "Alfvén Waves: A Journey between Space and Fusion Plasmas".

The Plasma Physics Division of the EPS sponsored the EPS PPD PhD Research Award that recognizes exceptional quality of work carried out by young physicists as part of their PhD research in any area of plasma physics. The prize was awarded to three students: **Louise Willingale (UK)**, **Ivo Classen (NL)** and **Bredan Dromey (IRL)**.

The 2008 **Plasma Physics Innovation Award** was awarded to **John Allen and Beatrice Annaratone** "... for the development of a novel RF plasma reactor, based on the phenomenon of plasma-sheath resonance. Extensive experimental and theoretical work led to the design and production of a material processing reactor, with single or dual frequencies, to produce denser plasma at low pressure."

For the fourth time, Professor Sanae-I Itoh, in agreement with the conference organisers, has offered the **Itoh Project Prize in Plasma Turbulence** to students presenting a poster at the conference. The prize was awarded to **Stella Oldenburger**, PhD student from Nancy

University, France ("Investigation of cross-field transport in a linear magnetized plasma"). She won the opportunity to visit Kyushu University, Japan for one week, including flight tickets and living expenses.

The invited papers have been refereed by members of the Programme Committee and invited experienced scientists. The proceedings will be published in December 2008 in a special issue of the journal Plasma Physics and Controlled Fusion. A copy will be sent to each participant that requested one with the registration and paid the correct fee. All participants who did not request a copy yet wish one are encouraged to contact the LOC (valid only whilst copies are available).

The ELISE conference submission program was developed at the Centre des Recherches en Physique des Plasmas (CRPP) at the Ecole Polytechnique Fédérale de Lausanne (EPFL) by Ch. Nieswand and B.P. Duval.

For this conference it was operated by B.P. Duval for both the abstract submission process and the oral and poster contribution submissions. Further information on the operation of ELISE for this conference is available in [\[About the CDRom\]](#).

Final editing and CD-ROM production was carried out by the Local Organising Committee using the submissions processed by ELISE.

**Paraskevas Lalousis and Stavros Moustazis**

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