

31st EPS Conference on Plasma Physics

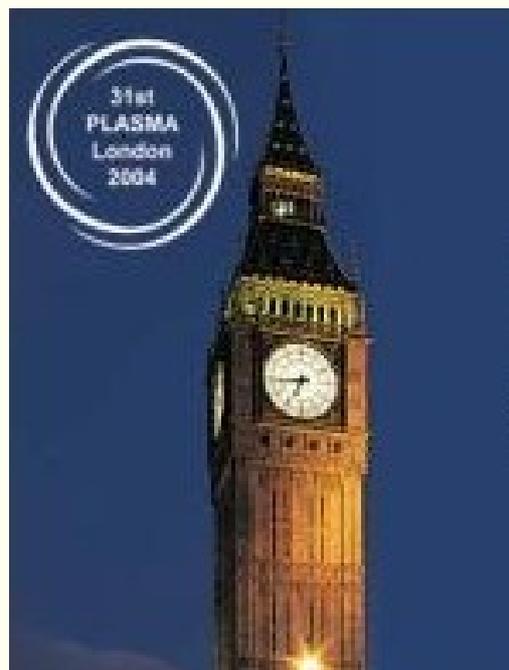
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The 31st European Physical Society Conference on

Plasma Physics



was held in the

Imperial College, London, UK

The conference was organised on behalf of the [European Physical Society](#)
by the
Council for the Central Laboratory of the Research Councils (CCLRC)
United Kingdom Atomic Energy Authority (UKAEA)
Imperial College, London



Preface of the Editors

The scientific programme and paper selection were the responsibility of the International Programme Committee appointed by the board of the EPS Plasma Physics Division. This committee selected 14 invited plenary and 42 invited parallel talks, in addition to the Hannes Alfvén prize winner presentation. 96 papers were also presented as oral presentations. The responsibility for the parallel sessions were assigned to sub-committees chaired by:

Emilia Solano (Magnetic Confinement Fusion)
Juergen Meyer-ter-Vehn (Beam Plasmas and Inertial Fusion)
Jean-Luc Dorier (Dusty and Low Temperature Plasmas)
Richard Dendy (Basic Plasma Physics and Astrophysics).

This volume of the series Europhysics Conference Abstracts comprises the list of contributed papers, oral and poster, that were submitted via the ELISE engine. As in the past, invited papers will be published in a special issue of Plasma Physics and Controlled Fusion. A copy will be posted to each registered delegate.

The 31st EPS Conference brought together over 800 plasma physicists from 49 countries.

The conference continued the series of European Physical Society (EPS) conferences on plasma physics and fusion research. For the 2004 conference, the science of laser-plasma interaction and

inertial confinement fusion, as well as dusty and low temperature plasmas, had substantially greater prominence than previously. To ensure fair coverage of more traditional topics, the meeting broke up into parallel sessions after the morning coffee break.

This method of publication was made available by the ELISE conference submission program developed at the Centre de 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. This represents the first conference where the complete contribution path was handled electronically including collation and distribution to the Programme Committee. Further information on the operation of ELISE for this conference are 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.

P.Norreys, H.Hutchinson

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The Local Organizing Committee acknowledges financial support from several sources, including:

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