



**32<sup>nd</sup> EPS Conference on  
Plasma Physics**  
*combined with the*  
**8<sup>th</sup> International Workshop on Fast  
Ignition of Fusion Targets**



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## FIRST ANNOUNCEMENT

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We are pleased to announce that the celebration of the 32<sup>nd</sup> EPS Conference on Plasma Physics, in combination with the 8<sup>th</sup> International Workshop on Fast Ignition of Fusion Targets, will take place in Tarragona, Spain, from June 27 to July 1, 2005. The congress, being the prime international forum for dissemination of recent results in all areas of plasma physics, will cover such topics as magnetic confinement fusion, beam plasmas and inertial fusion, dusty and low temperature plasmas, astrophysical plasmas and more. Detailed information, including deadlines, is provided at the Conference Website:

<http://eps2005.ciemat.es>

One of the main goals of the conference is to facilitate the cross-disciplinary exchange of information between various plasma physics related fields. For this purpose, tutorial plenary invited talks will aim at broadening the general background knowledge of plasma physics of the congress participants. Other plenary and parallel invited talks will review the latest developments in plasma science. Parallel oral and poster sessions will enter in advanced technical detail. Some of the interesting invited plenary talks that will be given at the conference are listed on the next page. A more complete list, including also the invited parallel talks, is available on the Website.

The congress centre is equipped with all modern facilities. As for the location, Tarragona is an ancient city, former capital of the Roman province of Hispania Citerior, offering many opportunities for cultural tourism as well as splendid beaches. Communication with the interesting city of Barcelona by road or train is rapid and convenient, while its International Airport offers direct flights from most European capitals.

Looking forward to meeting you in Tarragona,

Dr. Carlos Hidalgo  
Chairman of the  
Local Organising Committee  
for the EPS 2005 Conference

Dr. Boudewijn van Milligen  
Scientific Secretary of the  
Programme Committee  
for the EPS 2005 Conference



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Plenary invited talks:

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|----------------|--|
| V. Antoni      | Shear flows generated by plasma turbulence and their influence on transport          |
| C. Cavaller    | Inertial fusion with the LMJ   |
| P. Drake       | Hydrodynamic Instabilities in Astrophysics and ICF                                   |
| G. Eden        | Micro discharges   |
| P. Helander    | The effect of non-inductive current drive on tokamak transport                       |
| G. Huysmans    | ELMs: MHD instabilities at a transport barrier                                       |
| J. Kirk        | Relativistic Plasmas in Pulsar Winds   |
| K. Krushelnick | Laser-Plasma Sources of Ions - Physics and Future Applications                       |
| H. Loeb        | Plasma-based ion beam sources  |
| V. Malka       | Particle Acceleration: the laser plasma approach                                     |
| K. Matzen      | Overview of recent ICF and HEDP related experiments on the Z-machine                 |
| K. Mima        | Recent results and future prospects on fast ignition research: theory and experiment |
| A. Murari      | Burning Plasma Diagnostics   |
| R. Pitts       | Material erosion and migration in tokamaks   |
| J. Sánchez     | Keeping the options open: concept improvements and stellarator physics               |