Welcome to ESCAMPIG 2012

General information

The Europhysics Conference on the Atomic and Molecular Physics of Ionized Gases - ESCAMPIG - is an international conference being celebrated since 1973. It is now a biennial conference of the European Physical Society (EPS). The wide variety of conference topics on basic and applied plasma science spans from atomic and molecular processes in plasmas and plasma-surface interaction to self-organization in plasmas and to the new research lines with low and high pressure plasma sources.

The working language of the conference will be English and, consequently, all the conference oral presentations and the written material will be given in English. According to the tradition of this conference, all activities and events will take place under one roof to help the scientific communication.

The conference excursion will be a guided tour to the historical center of Guimarães, declared World Heritage by UNESCO, first capital of Portugal (12th century) and European Capital of Culture in 2012.

The International Scientific Committee and the Local Organizing Committee cordially invite you to attend the conference in Viana do Castelo and to submit an abstract on your latest scientific achievements.

Conference topics

1. Atomic and molecular processes in plasmas
2. Transport phenomena, particle velocity distribution function
3. Physical basis of plasma chemistry
4. Plasma surface interaction (boundary layers, sheaths, surface processes)
5. Plasma diagnostics
6. Plasma and discharges theory and simulation
7. Self-organization in plasmas, dusty plasmas
8. Upper atmospheric plasmas and space plasmas
9. Low pressure plasma sources
10. High pressure plasma sources
11. Plasma and gas flows
12. Laser produced plasmas

http://escampig2012.ist.utl.pt
How to reach Viana do Castelo

Viana do Castelo is easily reached by airplane, train (7 daily trains from Porto), bus, car and boat. The nearest airport is the Francisco Sá Carneiro Airport in Porto (OPO). TAP Air Portugal makes a discount on airplane tickets to ESCAMPIG participants flying to Porto or Lisboa.

Registration fees

A fee reduction will be applied to EPS members and PhD students. A limited number of grants will be available for students.

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<th>Early</th>
<th>Late</th>
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<tr>
<td>Regular participants</td>
<td>450€</td>
<td>500€</td>
</tr>
<tr>
<td>EPS Members</td>
<td>400€</td>
<td>500€</td>
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<tr>
<td>Students</td>
<td>300€</td>
<td>410€</td>
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<tr>
<td>Accompanying Persons</td>
<td>150€</td>
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William Crookes Prize

ESCAMPIG awards the William Crookes prize to a mid-career researcher who has been recognized to have made major contributions on the scientific topics covered by the ESCAMPIG. The ISC is seeking nominations for the prize.

Important deadlines

Abstract Submission: February 24th, 2012
Nominations for Crookes prize: March 2nd, 2012
Acceptance Notification: March 16th, 2012
Early Registration: April 16th, 2012

Conference format

The Conference includes plenary invited general and topical lectures, poster sessions, and workshops on “air plasma chemistry” and “plasma and sustainable environment.” Some contributed papers covering relevant issues will be selected by the International Scientific Committee and authors will be asked to give a short (hot-topic) oral presentation.

Invited speakers

General invited lectures
Michael Bonitz (Germany)
Roberto Celiberto (Italy)
Ute Ebert (The Netherlands)
Carlos Matos Ferreira (Portugal)
William G. Graham (UK)
Kostya Ostrikov (Australia)
Nikolai Trushkin (Russia)

Topical invited lectures
Jan Benedikt (Germany)
Thierry Callegari (France)
Olivier Guaitella (France)
František Krcma (Czech Republic)
Ester Marotta (Italy)
Bogdana Mitu (Romania)
João Santos Sousa (UK)
Francisco Tabares (Spain)

Abstract submission

The abstracts of the contributions to the conference should be submitted following the guidelines and the template file that will be soon available in the conference website. All contributed papers will be refereed by the International Scientific Committee.

Conference abstracts

Both invited and contributed papers will be published as proceedings in a conference abstract book by EPS (Europhysics Conference Abstracts). The invited lectures will be published as regular papers in a special issue of Plasma Sources Science and Technology (PSST).