



ESCAMPIG XXI

July 10-14, 2012

Viana do Castelo, Portugal

Europhysics Conference on the Atomic and Molecular Physics of Ionized Gases

Conference organization

International Scientific Committee

Jürgen Meichsner (chair), Germany
Annemie Bogaerts, Belgium
Stéphane Pasquiers, France
Peter Hartmann, Hungary
Giorgio Dilecce, Italy
Vasco Guerra, Portugal
Gheorghe Dinescu, Romania
Yuri Akishev, Russia
Štefan Matejčík, Slovakia
Mark Bowden, United Kingdom
Dragana Maric, Serbia
Francisco Gordillo-Vázquez, Spain

Local Organizing Committee

Vasco Guerra (chair), Lisboa
Pedro Almeida, Funchal, Madeira
Luís Lemos Alves, Lisboa
Mário Lino da Silva, Lisboa
Luís Marques, Braga
Maria João Martins, Lisboa
Carlos Daniel Pintassilgo, Porto

Viana do Castelo

Viana do Castelo is perfectly located neighboring green hills, the Lima river and the ocean. It is about 65 kms North of Porto, and North-West from Guimarães, birthplace of Portugal and European Capital of Culture in 2012. Both towns are classified by UNESCO as World Heritage.

Venue

The conference will be held in Castelo de Santiago da Barra, a XVIth century pentagonal fortification, which holds a modern congress centre (can you find it on the picture at the top of the page?).

escampig2012@ist.utl.pt

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.

	Early	Late
Regular participants	450€	500€
EPS Members	400€	500€
Students	300€	410€
Accompanying Persons	150€	150€

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).



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Plasma Sources Science
and Technology

TAP
TAP PORTUGAL
A STAR ALLIANCE MEMBER

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ipfn INSTITUTO DE PLASMAS
E FUSÃO NUCLEAR

