



XXXIII EDITION

INTERNATIONAL CONFERENCE ON PHENOMENA IN IONIZED GASES

JULY 9-14 2017

LISBON, PORTUGAL
ESTORIL CONGRESS CENTRE



MORE INFORMATION

icpig2017.tecnico.ulisboa.pt

FIRST ANNOUNCEMENT

The **International Conference on Phenomena in Ionized Gases ICPIG**, now in its XXXIII edition, has been since 1953 the forum for discussion of nearly all fields in plasma science, covering both modelling and experiments, from the fundamentals of plasma elementary processes, basic data and discharge physics (including transport and interaction with the walls), to applications with the plasma processing of surfaces and particles, high pressure and thermal plasma processing, development of radiation sources, plasma medicine, atmospheric and stellar plasmas, environmental protection and pollution control, plasma aerodynamics, and non-thermal plasmas in fusion devices.

NEW CONFERENCE FORMAT

The scientific programme will consist of **invited lectures**, general and topical, in addition to **contributed papers**, for **the first time in the format of oral talks or poster presentations**. The programme is completed by one **special session** and a lecture by the winner of the **von Engel & Franklin Prize**, for his/her major contributions to the scientific topics covered.

Authors are requested to submit a one-page abstract by March 3, 2017. A preference for oral / poster may be indicated.

The final decision will be communicated to the corresponding author.



VENUE

ICPIG 2017 will be held in the Estoril Congress Centre, in one of the most pleasant areas surrounding Lisbon, where attending a conference becomes a lifetime experience. The venue offers an atmosphere both relaxed and sophisticated, due to the combination of a mild sunny climate near the sea, excellent food, a beautiful landscape and modern, ample and well-equipped facilities. Lisbon is one of the oldest capitals in the world. Located in the Atlantic coast, Lisbon spreads across seven hills always opening a window towards its majestic Tagus River.

IMPORTANT DATES

January, 2017 - Second announcement

March 3, 2017 - Abstract submission

April 3, 2017 - Abstract acceptance notification

May 5, 2017 - Early registration

May / June, 2017 - Final announcement

CONFERENCE TOPICS

Fundamentals

Elementary processes and fundamental data
Thermodynamics and transport phenomena
Plasma wall interactions, electrode and surface effects
Collective and nonlinear phenomena

Modelling, Simulation and Diagnostics

Modeling and simulation techniques
Plasma diagnostic methods

Plasma Sources and Discharge Regimes

Astrophysical, geophysical and other natural plasmas
Low pressure plasmas
High frequency discharges
Non-equilibrium plasmas and microplasmas at high pressures
Thermal plasmas
Complex and dusty plasmas, ion-ion and mixed phase plasmas
Plasma created by external sources of ionization

Applications

Plasma processing of surfaces and particles
High pressure and thermal plasma processing
Plasma lamps and radiation sources
Medical, biological, environmental and aeronautical applications
Plasma power and pulsed power technology, particle sources

LOCAL ORGANIZING COMMITTEE

Luís **LEMOs ALVES**, chair
Vasco **GUERRA**, co-chair
Júlio **HENRIQUES**
Mário **LINO DA SILVA**
Luís **MARQUES**
Nuno **PINHÃO**
Carlos Daniel **PINTASSILGO**

PROFESSIONAL CONFERENCE ORGANIZER



REGISTRATION FEES

Regular Participants - **450 €**
Students - **280 €**

INTERNATIONAL SCIENTIFIC COMMITTEE

Eugen **STAMATE**, ISC chair, Denmark
Sudeep **BHATTACHARJEE**, India
Gilles **CARTRY**, France
Olga **DE PASCALE**, Italy
Ute **EBERT**, The Netherlands
Holger **KERSTEN**, Germany
Mark **KUSHNER**, USA
Zdenko **MACHALA**, Slovakia
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