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VON ENGEL & FRANKLIN PRIZE

ICPIG awards the **Von Engel & Franklin Prize** in Plasma Physics.
 The winner will deliver a lecture on his/her major contributions to the scientific topics covered.

LOCAL ORGANIZING COMMITTEE

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PROFESSIONAL CONFERENCE ORGANIZER



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SUPPORT BY



International Union of
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XXXIII EDITION

INTERNATIONAL CONFERENCE ON PHENOMENA
 IN IONIZED GASES

JULY 9-14 2017

LISBON, PORTUGAL



MORE INFORMATION

icpig2017.tecnico.ulisboa.pt



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.

CONFERENCE FORMAT

The conference includes invited general and topical lectures, poster sessions and special sessions. In the new format we invite submissions for **contributed talks** and posters.

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

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.

DEADLINES

March 3, 2017
Abstract submission
IUPAP award

April 3, 2017
Abstract acceptance notification

May 5, 2017
Early registration