



Europhysics Conference on the Atomic and Molecular Physics of Ionized Gases

7-11 July 2026, Madeira, Portugal

Organized by Institute for Plasmas and Nuclear Fusion and the University of Madeira

1st Announcement

The ESCAMPiG (Europhysics Conference on Atomic and Molecular Physics of Ionized Gases) is an international biennial conference of the EPS (European Physical Society). The conference topics comprise basic and applied plasma research. The 27th ESCAMPiG will be organized by the Institute for Plasmas and Nuclear Fusion and the University of Madeira.

The conference includes plenary invited general and topical lectures, poster sessions and workshops. 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.

CONFERENCE TOPICS

- Atomic and molecular processes in plasmas
- Transport phenomena, particle velocity distribution function
- Physical basis of plasma chemistry
- Plasma surface interaction (boundary layers, sheath, surface processes)
- Plasma diagnostics
- Plasma and discharges theory and simulation
- Self-organization in plasmas, dusty plasmas
- Upper atmospheric plasmas and space plasmas
- Low pressure plasma sources
- High pressure plasma sources
- Plasmas and gas flows
- Laser produced plasmas

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 28, 2026
Crookes Prize nominations: February 28, 2026
Acceptance notification: April 12, 2026
Early registration: April 30, 2026

GENERAL INVITED SPEAKERS

Judith Golda (Germany)
Jon Tomas Gudmundsson (Iceland)
Tomas Hoder (Czechia)
Mário Janda (Slovakia)
Kremena Makasheva (France)
Carlos Pintassilgo (Portugal)
Stephan Reuter (Canada)
William Crookes Prize Lecture

TOPICAL INVITED SPEAKERS

Rocio Rincon Lievana (Spain)
Mario Merino (Spain)
Armelle Micheau (France)
Paula De Navascues (Switzerland)
Giulio Rubino (Italy)
Goran Stretenovic (Serbia)
Ivan Tsonev (Belgium)
Li Wang (Germany)

INTERNATIONAL SCIENTIFIC COMMITTEE

Chair: Francesco Taccogna (Italy)
Pedro Almeida (Portugal)
Jan Benedikt (Germany)
Claudiu Costin (Romania)
Aranka Derzsi (Hungary)
Anatoly Filippov (Russia)
Victor Herrero (Spain)
Kirsty McKay (United Kingdom)
Juraj Országh (Slovakia)
Nikola Skoro (Serbia)
Eugen Stamate (Denmark)
Gabi-Daniel Stancu (France)

LOCAL ORGANIZING COMMITTEE

Chair: Pedro Almeida
Co-Chair: Nelson Almeida
Co-Chair: Vasco Guerra
Rui Almeida
Camila Cró
Mário Cunha
Nuno Ferreira
Carlos Pintassilgo
Paulo Sá
Diego Santos

VENUE

The conference will be held at **Madeira Congress Centre**, located near the heart of Funchal, the capital of Madeira. The Congress Centre is part of a complex designed by the famous Brazilian architect Oscar Niemeyer.

TRAVEL

Madeira Airport has non-stop direct passenger flights scheduled to 65 destinations in 22 countries, including many major European cities and New York. Typical flight duration to/from Central Europe is 4 hours.

REGISTRATION FEES

The conference fee includes scientific program, welcome reception, coffee breaks and all lunches during the conference.

	Early	Late
Regular	650€	700€
Students	450€	500€
Accompanying*	375€	425€

**Includes welcome reception, coffee breaks, all lunches during the conference, excursion and dinner.*

CONFERENCE ABSTRACTS

All conference abstracts will be published online in a Conference Book of Abstracts following the conference. The abstracts of the contributions to the conference should be submitted following the guidelines and the template file that will be available on the conference website. All contributed papers will be reviewed by the International Scientific Committee.

WORKSHOPS

Recent advances and challenges in the modelling of gas discharges

Chair: Mikhail Benilov (Portugal)

Tribute to Mario Capitelli

Chairs: Savino Longo and Gianpiero Colonna (Italy)

CONTACT



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