

## International Conference on Phenomena in Ionized Gases 36<sup>th</sup> Edition

Location: Aix-en-Provence, France

Dates: 2025/07/20 ~ 25

Conference website: <https://icpig2025.sciencesconf.org/>

Inspired by the US Gaseous Electronics Conference, the International Conference on Phenomena in Ionized Gases (ICPIG) was founded in 1953 and held every two years. Originally focused on fusion and basic plasma physics, it now covers a range of topics, including fundamental physics, modelling, plasma sources, and technological applications. This year, the 36<sup>th</sup> edition was held in Aix-en-Provence in the south of France over five days.

Invited talks from Jean-Paul Booth (*In-situ measurement of surface reaction probabilities in low-pressure plasmas*), Zoltán Donkó (*Secondary electron emission effects in low-pressure discharges*), Isabel Tanarro (*Ion chemistry in C<sub>2</sub>H<sub>2</sub>/Ar cold plasmas*), Davide Mariotti (*Bulk to atoms and back*), and Hirotaka Toyoda (*Diagnostics of high-energy species in plasma*) were followed by two, parallel sessions of 26 topical invited talks, 36 oral contributions, and 281 poster presentations. Around 400 participants from 40 countries attended, including 38% students and 25% women.

The Von Engel and Franklin prize, named in honour of prominent members of the ICPIG community, was awarded to Ute Ebert (CWI Amsterdam & Eindhoven University of Technology) for contributions to the state-of-the-art, high-fidelity theory and simulations of transient electric discharges. Four awards were also given to the best poster of each day.

A special session was held in tribute to Bill Graham, a prominent member of the plasma community, to celebrate his contributions and reflect on his wisdom.

