



## GEC 2025 – 3rd Announcement

Dear Colleagues,

The deadlines for the [78th Gaseous Electronics Conference \(GEC\)](#) abstract submission and award nominations are coming up. This announcement contains important information about the deadlines, abstracts, awards, and events during the 2025 GEC.

GEC will be held on October 13 – 17, 2025 in Seoul, Republic of Korea. Contributors must submit abstracts using the [abstract submission site](#). Complete details about abstract submission can be found on the [GEC 2025 website](#). The 2025 GEC sorting categories can be found [here](#).

### **Please keep the following important deadlines in mind:**

#### **June 2, 2025 - 5:00 pm Eastern Daylight Time:**

- Abstract submission
- GEC Early Career Award nominations
- Student Award for Excellence nomination
- Student Travel Grant application

#### **September 22, 2025 - 5:00 pm Eastern Daylight Time:**

- Student poster prize nomination

The GEC is a leader in providing a venue for the exchange of ideas and reporting research in low-temperature plasma science and technology. The areas of emphasis are the science of plasma sources, diagnostics, modeling, plasma chemistry, basic phenomena, and atomic and molecular collision processes. GEC is often at the forefront of reporting on emergent areas of plasma-based technologies, including microelectronics, propulsion, biotechnology, plasma medicine, multiphase plasmas, environmental applications, and atmospheric-pressure plasma systems.

The 2025 GEC will feature two plenary talks. The 2025 Will Allis Prize talk will be given by Professor Jonathan Tennyson, University College London, UK. His talk is entitled “Using quantum mechanics to provide plasma chemistries.” The Will Allis Prize for the Study of Ionized Gases is an important award for the GEC community. Thanks to the generosity of Intel Corporation, Lam Research, and Micron Technology, Inc., APS now awards the Will Allis Prize for the Study of Ionized Gases annually. Prize nominations are **due Monday, June 2, 2025**. Details can be found on the [Will Allis Prize website](#).

The 2025 GEC Foundation Talk will be given by Professor Alexander Fridman, the Nyheim Chair Professor, Department of Mechanical Engineering and Mechanics, Drexel University, USA. Prof. Fridman is also the Director of the C&J Nyheim Plasma Institute at Drexel University. His talk’s title is ‘Short-Pulsed Cold and "Very Cold" Discharges in High-Pressure Gases and Liquids.’

The 2025 GEC will feature invited talks from leaders in plasma science and technology, as well as atomic and molecular collisions. The complete list of invited speakers is available at the [GEC 2025 Invited Speakers website](#). Among other topics, these invited speakers will discuss:

- Plasma applications in semiconductor manufacturing
- Electrical propulsion
- Ionization and dissociation of molecules
- Plasma theory and modeling
- Plasmas in liquids
- Atomic layer deposition and etching

The 2025 GEC will begin with 4 workshops on Monday. A list of confirmed workshop speakers and presentation topics can be found on the [GEC 2025 Workshops website](#). The workshop topics are:

- Plasma Photonics, Metamaterials, Strongly Coupled Plasmas (Organizers: Gerrit Kroesen and Mark Cappelli)
- Space Plasma Physics and Technology (Organizer: Wonho Choe and Stephane Mazouffre)
- Industrial Applications of Plasma Technology to Microelectronics (Organizers: Sangki Nam and Jung-Sik Yoon)
- Combining Plasma Modeling and Artificial Intelligence (Organizers: Byungjo Kim and Ho Jun Kim)

The 2025 GEC will feature the following networking and special events:

- Banquet and award ceremony
- Women in Science luncheon
- GEC Early Career Award
- GEC Student Award for Excellence
- GEC Student Poster Award
- Student Networking forum

Please see the [2025 GEC website](#) for details about these events.

We look forward to welcoming you to Seoul!

Sincerely,

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