



## GEC 2025 – 4th Announcement

Dear Colleagues,

We hope you are as excited as we are about the upcoming [78th Gaseous Electronics Conference \(GEC\)](#). The 2025 GEC will be held from October 13 – 17, 2025 in Seoul, Republic of Korea. Based on the abstracts received, a scientifically rigorous program has been put together consisting of 4 workshops on Monday, 4-5 concurrent oral sessions on Tuesday - Friday, and 2 poster sessions. The full 2025 GEC program can be found at [GEC 2025 Schedule website](#).

**GEC Registration:** [Registration](#) for the 78th GEC is now open. Registration details can be found on the GEC website. Early registration rates are available until September 7, 2025. When you register, please remember to sign up for the workshops and other special events. In addition, we look forward to seeing you at the banquet, which will be held at a local hotel.

**GEC Early Career Award:** Early career researchers (< 10 years post Ph.D. defense) represent the future driving force of Low-Temperature Plasma/Collisions Science. The GEC started the biennial GEC Early Career Award (ECA) in 2021, which recognizes outstanding contributions to GEC-relevant topics such as low-temperature plasma science and collision effects in atomic and molecular physics. The GEC Executive Committee received many strong nominations for the 2025 GEC ECA. After careful deliberation, we are pleased to announce that the winner of the 2025 GEC ECA is Dr. Sanghoo Park from Korea Advanced Institute of Science & Technology (KAIST), South Korea. Dr. Park has made exceptional contributions to low-temperature plasma science through his innovative work in plasma diagnostics, plasma-liquid interactions, and interdisciplinary applications. Additional details about the award are on the [GEC website](#). Dr. Park will also give an invited award talk at the GEC about his latest research.

The **GEC Student Award for Excellence (SAE)** is a long-held tradition at the GEC. Based on the strong nominations received, the following students (in alphabetical order) have been selected as the SAE finalists. Please attend their presentations at the 78th GEC. The winner of the GEC SAE will be announced at the GEC Banquet on October 16, 2025.

- Jin Hee Bae, Korea Advanced Institute of Science and Technology, Korea
- Gwang-Seok Chae, Korea Aerospace University, Korea
- Derek Kuldinow, Stanford University, USA
- Varanasi Sai Subhankar, The University of Texas at Austin, USA
- Ayah Soundous Taihi, LPP - Ecole Polytechnique – CNRS, France

**GEC Student Poster Prize:** The GEC is accepting [nominations for the student poster prize](#). The deadline for nominations is September 22, 2025.

**2026 GEC Invited Speaker Nomination:** The selection of GEC invited speakers is strongly influenced by nominations submitted by the GEC community. Nominations are now being accepted for the 2026 GEC invited speakers. Please use the form at the [2026 GEC Invited Speaker Nomination](#) webpage to nominate your favorite speakers by October 17, 2025.

**Plenary Talks:** 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.

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.’

**Invited Talks:** 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](#).

**Workshops:** 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)

**Special Events:** 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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