



GEC 2024 – 3rd Announcement

Dear Colleagues,

The deadlines for the [77th 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 2024 GEC.

GEC will be held on September 30 – October 4, 2024 in San Diego, California, USA. Contributors must submit abstracts using the abstract [submission site](#). Complete details about abstract submission can be found on the [GEC 2024 website](#). The 2024 GEC sorting categories can be found [here](#).

Please keep the following important deadlines in mind:

June 3, 2024 - 5:00 pm Eastern Daylight Time:

- Abstract submission
- Student Award for Excellence nomination
- Student Travel Grant application

September 20, 2024 - 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 2024 Will Allis Prize talk will be given by Vincent Donnelly, William A. Brookshire Department of Chemical and Biomolecular Engineering, University of Houston, USA. His talk is entitled “Looking for plasma diagnostic techniques in unusual places”.

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 will now award the Will Allis Prize for the Study of Ionized Gases annually. Prize nominations are due Monday, June 3, 2024. Details can be found on the [Will Allis Prize website](#).

The 2024 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 www.apsgec.org/gec2024/invited_speakers.php. 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 2024 GEC will begin with 4 workshops/tutorials on Monday. A list of confirmed workshop speakers and presentation topics can be found on the [GEC 2024 workshop website](#). The workshop and tutorial topics are:

- Tutorial: Data-driven plasma science (Organizers: Jan Trieschmann, Satoshi Hamaguchi)
- Workshop: Fundamentals of gas breakdown (Organizer: Ken Hara)
- Tutorial: Hands-on Plasma Modeling (Organizer: Steve Shannon and Igor Kaganovich)
- Workshop: Plasmas for Sustainability (Organizer: Carmen Guerra-Garcia and Tiago Silva)

A few special features of the 2024 GEC include:

- Banquet and award ceremony
- Women in Science event
- Will Allis Award presentation
- GEC Student Award for Excellence
- GEC Student Poster Award
- Student Networking event

Please see the 2024 GEC website (<https://www.apsgec.org/gec2024/index.php>) for details about these events.

We have attached a 1-page announcement flyer. Please post it in your department and share it with colleagues.

We look forward to welcoming you to San Diego.

Sincerely,

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