



GEC 2024 – 1st Announcement

Dear Colleagues,

we are pleased to announce that the 77th Gaseous Electronics Conference (GEC) will be held on **September 30 – October 4, 2024 in San Diego, California, USA**. Please note that the conference dates were changed to avoid a conflict with the APS DPP meeting, whose dates were changed recently.

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 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 5 workshops/tutorials on Monday: (www.apsgec.org/gec2024/workshops.php):

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

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. The information about abstract submission and award/grant nominations is also posted on the GEC website.

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

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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