

Dear Colleagues,

The deadlines for the [76<sup>th</sup> Gaseous Electronics Conference \(GEC\)](#) abstract and award nominations are coming up. This email contains important information about the deadlines, abstracts, awards, and events during the 2023 GEC.

GEC is currently accepting abstracts for the 2023 conference. Contributors must submit abstracts using the [abstract submission site](#). Complete details about abstract submission can be found on the [GEC 2023 abstracts webpage](#).

The Executive Committee of GEC will be awarding one [GEC Early Career Award](#) in 2023 to an Early-Career Researcher in low-temperature plasma/collisions science, who has made outstanding contributions to GEC-relevant topics, such as low-temperature plasma science and engineering, partially ionized plasma phenomena, or collision effects in atomic and molecular physics. The nominations must be submitted by June 2, 2023. Details about the award and nomination process can be found on the [GEC 2023 awards webpage](#).

Please keep the following important deadlines in mind:

June 2, 2023 - 5:00 pm Eastern Daylight Time:

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

September 29, 2023

- Student poster prize

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. The 76<sup>th</sup> GEC will be held on October 9 – 13, 2023 in Ann Arbor, Michigan, USA.

The 2023 GEC will feature:

- 4 workshops on Monday. Please refer to the [2023 GEC workshop website](#) for the workshop topics and the list of key speakers in each workshop.
- 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 [https://www.apsgec.org/stage/gec2023/invited\\_speakers.php](https://www.apsgec.org/stage/gec2023/invited_speakers.php).

- The [2023 GEC Foundation Talk](#) given by Professor Mark J. Kushner. Prof Kushner's talk is entitled "When Plasmas Meet Phase Boundaries".

[A few special features of the 2023 GEC include:](#)

- Banquet and award ceremony at the Henry Ford Museum of American Innovation
- 'Women in Plasma Science' event
- GEC Early Career Award
- GEC Student Award for Excellence

Please see the [2023 GEC website](#) 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 Ann Arbor.

Sincerely,

Shahid Rauf | GEC Chair | [shahid\\_rauf@amat.com](mailto:shahid_rauf@amat.com)  
Scott Baalrud | GEC Secretary | [baalrud@umich.edu](mailto:baalrud@umich.edu)



# Annual Gaseous Electronics Conference

October 9 – 13, 2023 | Ann Arbor, MI

The GEC is a leader in providing a venue for the exchange of ideas and reporting research, the areas of emphasis being 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 2023 GEC will feature:

- Contributed and invited talks in concurrent sessions on Tuesday – Friday
- Poster sessions in the middle of the week
- Banquet and award ceremony at the Henry Ford Museum of American Innovation
- Women in Plasma Science

## GEC Foundation Talk

The 2023 GEC Foundation Talk will be given by Professor Mark J. Kushner from the University of Michigan, Ann Arbor, Michigan, USA. His talk is entitled “When Plasmas Meet Phase Boundaries”.

## Invited Speakers

The 2023 GEC will feature invited talks from leaders in plasma science and technology, as well as atomic and molecular collisions. These speakers will discuss the latest developments in:

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

The complete list of invited speakers is on the GEC website.



## Workshops (Monday)

- Alternative Propellants for Electric Propulsion
- US DOE-Funded Collaborative Low-Temperature Plasma Research Facilities
- Opportunities for Plasma Science and Engineering in Microelectronics Fabrication
- Don Madison Memorial Workshop on Atomic and Molecular Collisions

## Deadlines

### June 2, 2023

- Abstract Submission
- Early Career Award
- Student Travel Grant
- Student Award for Excellence

### September 29, 2023

- Student Poster Award

Scan the QR code to learn all about the GEC 2023 event.



For technical information, contact:

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