

Dear Colleagues,

We are pleased to announce that the 76<sup>th</sup> Gaseous Electronics Conference (GEC) will be held on October 9 – 13, 2023 in Ann Arbor, Michigan, USA.

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 2023 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/gec2023/invited\\_speakers.php](http://www.apsgec.org/gec2023/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

The 2023 GEC will begin with 4 workshops on Monday:  
([www.apsgec.org/gec2023/workshops.php](http://www.apsgec.org/gec2023/workshops.php)):

- Alternative Propellants for Electric Propulsion
- US DOE-Funded Collaborative Low-Temperature Plasma Research Facilities
- Plasmas, Semiconductor Manufacturing and the CHIPS Act
- Don Madison Memorial Workshop on Atomic and Molecular Collisions

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 (<https://www.apsgec.org/gec2023/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 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

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

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## 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
- Plasmas, Semiconductor Manufacturing, and the CHIPS Act
- Don Madison Memorial Workshop on Atomic and Molecular Collisions



## 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

## Deadlines

### June 2, 2023

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

### September 29, 2023

- Student Poster



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

## For technical information, contact:

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