

Subject: 76th Gaseous Electronics Conference, October 9 – 13, 2023, Ann Arbor, MI – 4th Announcement

Dear Colleagues,

We hope you are as excited as we are about the upcoming [76th Gaseous Electronics Conference \(GEC\)](#). The 2023 GEC will be held from October 9 – 13, 2023 in Ann Arbor, MI, USA. Preparations for the conference are proceeding smoothly. Based on the abstracts received, a scientifically rigorous program has been put together consisting of 4 workshops on Monday, 3-5 concurrent oral sessions on Tuesday - Friday, and 2 poster sessions. Details about the 2023 GEC program and your submitted abstracts will be communicated in early August. This email contains information to help you plan for the conference. We are also pleased to announce the winners or finalists for several GEC awards.

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 2nd GEC ECA. After careful deliberation, we are pleased to announce that the winner of the 2023 GEC ECA is Dr. Mark C. Zammit of Los Alamos National Laboratory, USA. Dr. Zammit is being recognized for his outstanding work in molecular collision physics as well as his contributions to computational plasma physics. Additional details about the award are on the [GEC website](#). Dr. Zammit will also give an invited award talk at the GEC about his latest research.

[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 76th GEC. The winner of the GEC SAE will be announced at the GEC Banquet on October 12, 2023.

- Marco Acciarri, University of Michigan, USA
- Fatima Jenina Arellano, Osaka University, Japan
- Tiago C. Dias, Universidade de Lisboa, Portugal
- Minseok Kim, University of California Riverside, USA
- Nicholas L. Sponsel, North Carolina State University, USA
- Máté Vass, Ruhr University Bochum, Germany

[Registration](#) for the 76th GEC is now open. Registration details can be found on the [GEC website](#). Early registration rates are available until August 31, 2023. 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 the [Henry Ford Museum of American Innovation](#).

The GEC is accepting nominations for the **student poster prize**. The deadline for nominations is September 29, 2023.

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 on the [2023 GEC invited speaker webpage](#).
- 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' lunch with keynote speaker, Prof. Amy Wendt
- GEC Early Career Award
- GEC Student Award for Excellence

Please see the [2023 GEC website](#) for details about these events.

We have included 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
Scott Baalrud | GEC Secretary | 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.

The 76th GEC meeting will be held at the [Michigan League](#) located on the University of Michigan's Central Campus.

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 lunch with keynote speaker, Prof. Amy Wendt

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 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

Award Banquet (Thursday)

The [2023 GEC banquet and awards presentation](#) will take place on Thursday, October 12th at the [Henry Ford Museum of American Innovation](#), an internationally recognized cultural destination. The event will include networking and beverages upon arrival, dinner at the innovation center, and the award presentation.

Deadlines

August 31, 2023

- Early Registration

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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