

AVS MICHIGAN CHAPTER FALL LETTER TO THE MEMBERSHIP

Fall 2023

Dear Members,

2024 is rapidly approaching which means the AVS Michigan Chapter needs to elect new Officers, complete the executive committee, and consolidate the activities calendar, mainly the 2024 Spring Symposium. The Chapter also needs to fill all the positions listed in the [Chapter By-Laws](#). If you want to volunteer or propose a name, please do so to the secretary's email: Pilar_Herrera-fierro@avs.org

To be an officer the Chapter bylaws require AVS membership. See the benefits of being a member and how to become one [here](#).

Plans for 2024

Spring Symposium, next year the theme will be **Novel Computing Paradigms**.

Gozde Tutuncuoglu, Assistant Professor of Electrical and Computer Engineering at WSU will chair the event:

Join us at AVS Michigan Chapter's 2024 Spring Symposium to discuss cutting-edge research on novel computing paradigms that transcend traditional CMOS devices and von Neumann architectures. We will explore the fundamental material, device, and interconnect research driving these advancements, and examine the role of vacuum science, nanofabrication and advanced manufacturing in enabling the fabrication of emerging devices and systems. More details will follow.

AVS Student Chapter, after many, many years of unsuccessful trying to find a volunteer to organize a student chapter, Kimberly Beers from EECS Department of UofM has volunteered to work on forming a student Chapter. Professor Rachel Goldman (UofM) has graciously accepted the invitation to be the faculty adviser to this group.

An AVS Student Chapter offers a collaborative learning environment, networking amongst fellow students and with industry professionals, professional development opportunities, and access to AVS resources. AVS Student Chapter membership benefits include the participation in seminars, workshops, and conferences along with the potential for scholarship opportunities, student awards, and future job opportunities.

Science Teacher to the [Science Educators Workshop](#)

The promotion of science and the support of science education is one of the Chapter's most important goals. This year the chapter is supporting Jaime Hainer, a science teacher from Rochester Hills, to be our guest at the Workshop on November 6-7, 2023

in Portland, Oregon. Jaime, who has a B.S. in Chemistry from MSU and a Ms. Sc from Oakland University, taught Chemistry and Physics at Grosse Pointe North High School, Grosse Pointe Woods, MI and now teaches Physical Science and Earth & Space at the Rochester High School, Rochester, MI.

MIPSE Graduate Student Symposium

The 14th Annual MIPSE Graduate Student Symposium will take place on Wednesday, **November 15, 2023**, at the University of Michigan, Ann Arbor. The Symposium is an opportunity for students involved in plasma research, in particular, students pursuing the Graduate Certificate in Plasma Science and Engineering, to present the results of their investigations, learn about the research of their fellow students, and network with MIPSE faculty and staff.

The Graduate Symposium will be held jointly with the [American Vacuum Society \(AVS\) Michigan Chapter](#). Participants in the MIPSE poster sessions will be eligible for the MI-AVS competition if their poster crosses over any of the three major focus areas below:

1. Quantum science
2. Thin films and plasma science
3. Vacuum, power, and space electronics

As a reminder to our members, the Chapter's Scientific and focus areas to promote these fields in the area:

- **Quantum Science** led by Shannon Nicely
 - AVS periodical <https://avs.scitation.org/journal/aqs>
- **Thin Films** led by Gozde Tutuncuoglu
 - AVS periodical <https://avs.scitation.org/journal/jva>
<https://avs.scitation.org/journal/jvb> <https://avs.scitation.org/journal/sss>
 - Note: Thin Films would include 1) plasma applications for synthesis, 2) structure-property, 3) surface and applied surface science
- **Vacuum, Power, Space Electronics** led by Sergey Baryshev
 - AVS periodical <https://avs.scitation.org/journal/jvb>
 - Note: Vacuum, Power, Space Electronics would include both vacuum and solid state electronics