

June, 2023

Dear AVS members,

The Spring Symposium of the AVS Michigan Chapter took Place on June 7th, 2023 at the NCRC (North Campus Research Complex) of the University of Michigan.

The theme of the Symposium was ***Thin films and plasma for future microelectronics.*** In addition, there were two sessions dedicated to the CHIPS Act and its effects on science, industry and education specific to Michigan. We partnered with the Lurie Nanofabrication Facility, who held a workshop on Semiconductor Fabrication technology the day after the Symposium.

The Symposium was very well attended; there were 11 invited speakers, 135 attendees, 10 exhibitors and, for the poster competition, 27 posters.

Some views of the audience:





Symposium Organizers: Sergey Baryshev, Chair; Shannon Nicely, Pilar Herrera-Fierro, Sandrine Martin (LNF), Tugba Piskin, Kimberly Beers and David Laleyan.

Student Poster Session

Poster Session Winners



Poster Session Winners: From the left: Sandrine Martin, LNF Managing Director; Yang Zhou, Pushpender Yavav, Daniel Maldonado-Lopez, Sergey Baryshev, AVS-MI Chair, Pilar Herrera-Fierro, AVS-MI Secretary.

The winners from the poster competition were:

First prize, given by the **Lurie Nanofabrication Facility (LNF)**, was for **Daniel Maldonado-Lopez**, from Michigan State University, poster title “*Exquisite Control of Electronic and Spintronic Properties on Highly Porous Covalent Organic Frameworks (COFs)*”



Pictured from left to right, Sandrine Martin, LNF Managing Director, Daniel Maldonado-Lopez, first prize winner and Sergey Baryshev, 2023 Chapter Chair.

Second Prize, given by the AVS-Michigan Chapter, was for **Pushpender Yavav**, from Michigan State University, poster title “*Morphology-Controlled Vapor-Phase Growth of Ruddlesden-Popper Lead Halide Perovskite*”



Pictured from the left, Pilar Herrera-Fierro, AVS-MI Secretary/Treasurer, Pushpender Yavav, second prize winner and Sergey Baryshev AVS-MI 2023 Chair

Third Prize, given by the AVS-Michigan Chapter, was for **Yang Zhou**, from Michigan State University, poster title “Enhanced Field Emission by Resonant Tunneling Through a Quantum Well”



From left, Pilar Herrera-Fierro AVS-MI Secretary/Treasurer, Yang Zhou, third prize winner, Sergey Baryzhev, AVS-MI 2023 Chair

The Chapter's new chair (2024):

New Chair for 2024: Gozde Tutuncuoglu, Assistant Professor, Electrical and Computer Engineering, Wayne State University, Detroit, MI.

We also would like to invite scientists, students, post docs, faculty, engineers; all technical colleagues in the fields covered by [AVS](http://www.avs.org) to join AVS-MI Chapter. We invite everybody to participate in the activities of the Chapter by joining the Board. There are several positions that need to be filled.



From Left to right: Sergey Baryshev, 2023 AVS-MI chair, Kim Seokhyoung, Board member, Kimberly Beers, Student Chapter, Gozde Tutuncuoglu, Chair 2024, Pilar Herrera-Fierro, AVS -MI Secretary/Treasurer, Sandrine Martin, LNF, David Laleyan, Board member, Tugba Piskin, Board member.

Kimberly Beers is a graduate student from the EECS Department, University of Michigan who is contacting students to form a Student Chapter - Michigan Chapter.

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