



## Science and Technology of Materials, Interfaces, and Processing

### Topical Areas

Biomaterials  
Environmental S&T  
Magnetic Materials  
Manufacturing S&T  
Materials Characterization  
Materials Processing  
MEMS  
Microelectronic Materials  
Nanoscale S&T  
Plasma S&T  
Quantum Science  
Surface Engineering  
Surface Science  
Thin Films  
Vacuum Technology

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## 2022 Fall Meeting Hudson Mohawk AVS Chapter Thursday, October 20, 2022 3:30 – 7:40 PM

CESTM Auditorium and Rotunda  
SUNY Polytechnic Institute  
251 Fuller Road, Albany, New York 12203

Revised Abstract and Registration Deadline: **October 14, 2022**

### Agenda

3:30 - 3:50	Reception (coffee and cookies served)
3:50 - 4:00	Welcoming Remarks
4:00 - 4:30	Keynote lecture: “ <i>2 nm Nanosheet Technology: Overview and Patterning Challenges</i> ” by Tao Li and Eric Miller (Etch Research & Development, IBM Albany)
4:30 - 6:10	Student Oral Presentations (five 20-minute slots)
6:10 - 7:30	Poster Presentations (pizza and refreshments served)
7:30 - 7:40	Award Ceremony

### Call for Papers

Abstracts are now being solicited for oral and poster presentations on topics of interest within AVS: *surface engineering, thin films, material properties, interface characterization, vacuum techniques, electronic properties, photovoltaics, nanofabrication, energy storage, biophysics and bio-inspired systems, etc.*

As an interdisciplinary professional society, AVS **supports networking** among academic, industrial, government, and consulting professionals involved in a variety of disciplines related to **materials, surfaces, interfaces, and processing**. Participation in the local chapter provides an excellent opportunity to interact in a smaller venue compared to the larger national conferences, affording the participants time to focus on presentations of scientific work that is happening in our immediate geographic proximity, and opportunity for professional networking.

These local chapter meetings are also an ideal setting for students and early career researchers and professionals to present their research. Therefore, student participation is strongly encouraged. Established professionals are also welcome to submit abstracts, which could include recent studies, or provide overviews of topics of general scientific interest to the society and chapter members.

Registration for the meeting is free. Pizza and refreshments will be provided at 6:10 pm. At the end of the meeting, awards will be given for the best oral and poster presentation(s). The award winner(s) will be given a certificate from the AVS and will also be publicized in the AVS Newsletter.

Please forward this announcement to your colleagues!

To submit an abstract and/or to register for the meeting, please email your name and affiliation to Spyros Galis ([spyros\\_galis@avs.org](mailto:spyros_galis@avs.org)):

- Abstract deadline is October 14, 2022. To submit an abstract, use the instructions found below. The exact subject line in the email should be **"HMAVS Fall 2022 Abstract"**.
- Registration deadline for US citizens and non-US citizens who have a valid Green Card is October 14, 2022. To register, send email with your Name and Affiliation. The exact subject line should be **"HMAVS Fall 2022 Registration"**. If you are a Green Card holder, you must bring it with you to check in through security. US citizens will need to show a valid government issued ID to check in through security.
- An extra security check is needed for non-US citizens who do not have a Green Card. The deadline for submitting the necessary security clearance information has passed. However, you can still participate in the meeting virtually via Zoom. To register, send email with your Name and Affiliation. The exact subject line should be **"HMAVS Fall 2022 Registration"**.
- For those who cannot attend the meeting in-person, you will be able to participate virtually via Zoom. The Zoom credentials will be sent after you register for the meeting.

*Marinus (Marco) Hopstaken  
Chair, AVS Hudson Mohawk Chapter*

## Further Instructions for Submitting Abstracts:

Abstract submission deadline is **October 14, 2022**.

Please include "HMAVS Fall 22 Abstract" in the subject line of your email to Spyros Galis ([spyros\\_galis@avs.org](mailto:spyros_galis@avs.org)).

### Abstract format:

- One page abstract 8.5" x 11", with 1" margins all around, MS Word (12pt Arial, and/or symbols). No pdf files.
- Center title, authors, and affiliation at the top.
- Leave one blank line between title and authors, and between authors and affiliations.
- Print title bold, all uppercase (except chemical symbols).
- Type the names of the authors (mixed case) and underline presenting author's name.
- Type author affiliations.
- Type e-mail address of the presenting author.
- Leave another blank line.
- Type abstract text, single-spaced, with one blank line between paragraphs. Graphs and images can be included, as long as the entire abstract fits on one page.

*Please indicate at the bottom of the abstract page your preferred presentation format (oral or poster). If you are a student, please indicate this at the bottom of the page.*

*Awards will be given for the best oral and best poster presentation. Past award winners can present at the meeting but are not eligible for the awards.*