

AVS Mid-Atlantic Chapter DC Regional Meeting

Thursday, May 23, 2019 8:30 am - 2 pm
Building 215 National Institute of Standards and Technology
100 Bureau Drive, Gaithersburg, MD

FREE TO ALL, BUT PRE-REGISTRATION REQUIRED!

Highlight theme: AVS Quantum Science, focus on Quantum Materials

Invited speakers:

- **Fahad Mahmood (JHU):** “Measuring and Manipulating Topology in Quantum Materials with Femtosecond Light ”
- **Alan Bracker (NRL):** “Semiconductor Quantum Dots for Scalable Quantum Photonics”
- **Josh Pomeroy (NIST):** “Silicon as a Quantum Material: Advantages, Unknowns, and Early Devices”
- **Hyunsoo Kim (U Md):** “High Spin Superconductivity in Half-Heusler Semimetals”

Equipment Exhibit - Vacuum hardware and instruments

Poster Session - open to graduate and undergrad students working in AVS research topics including:

Biomaterial Interfaces MEMS & NEMS
Surface Science Thin Films
Plasma Science Vacuum Technology
Electronic Materials & Processes
Magnetic Interfaces & Nanostructures

Cash Prizes for the best student posters!

•**Tours:** NIST Tunnel Junction Fabrication Lab
 NIST 2D Chemical Vapor Deposition Growth Kinetics Lab

Register here:



Pre-registration required:
<http://goo.gl/forms/DD7y3fPUII>

Registration Deadline:* May 17, 2019

*(foreign nationals are encouraged to apply early)

Questions?

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NIST
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Learn about the advantages of membership in AVS!

By Car

From northbound I-270 take Exit 10, Route 117 West, Clopper Road. Bear right at the first light onto Clopper Road/West Diamond Avenue. At the next light, turn left onto the NIST grounds—register at Visitor Center (picture ID and car registration required—passport and visa or green card for foreign nationals)

NIST Metro Shuttle

NIST provides shuttle service for official visitors and staff to and from the Shady Grove Metro Station. Visitors using Metro can meet the NIST shuttle in the bus lane of the Shady Grove Metro Station (there is a sign on the side of the 3rd bus stop from the station) at 15 and 45 minutes past the hour from 8:00 am to 5:30 pm. The shuttle departs from the front of the NIST Administration Building on the hour and half hour. Visitors must register at the visitor center (picture ID required—passport and visa or green card for foreign nationals).

