

AVS Mid-Atlantic Chapter DC Regional Meeting

Thursday, May 26, 2016 8:30 am - 2 pm
Building 215 National Institute of Standards and Technology
100 Bureau Drive, Gaithersburg, MD

Learn about the advantages of membership in the AVS!

Highlight theme: Nanotechnology Applied to Batteries

Invited speakers from the DC Area:

- Joe Dura (NIST): *"Probing Battery Interfacial Structures with Neutron Reflectometry"*
- Kang Xu (ARL): *"Electrolytes for High Energy Aqueous Li-Ion Batteries"*
- Chuan-Fu Lin (U MD): *"Controlling Electrochemical Interfaces with an Artificial Solid Electrolyte Interphase"*
- Corey Love (NRL): *"Conduction Phenomena in Atomic Layer Deposition Coatings on Nanoscale Electrode Materials"*

Equipment Exhibit—vacuum hardware and instruments

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

Cash Prizes
for the best
student posters!

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

Tours: NIST Nanofab User Facility,
NIST Photonic Sensors for Pressure and Temperature



Pre-registration required:

<http://goo.gl/forms/DD7y3fPUll>

Registration Deadline: May 19, 2016

*(foreign nationals are encouraged to apply early)

Questions?

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NIST
National Institute of
Standards and Technology
U.S. Department of Commerce



**DC Regional Meeting of the AVS Mid-Atlantic Chapter
May 26, 2016 Meeting Schedule and Program
NIST Building 215 Atrium and Room C103**

- 8:00 am** Bldg 215 Atrium open for vendor setup
- 8:30 am** Vendor exhibit starts and student poster setup
- 8:45 am** Introduction and information in C103
- 9:00 am** **Joe Dura (NIST):** *“Probing Battery Interfacial Structures with Neutron Reflectometry”*
- 9:45 am** **Kang Xu (ARL):** *“Electrolytes for High Energy Aqueous Li-Ion Batteries”*
- 10:30 am** **Coffee Break, Vendor exhibit, and Student Poster Session**
- 11:00 am** **Chuan-Fu Lin (U MD):** *“Controlling Electrochemical Interfaces with an Artificial Solid Electrolyte Interphase”*
- 11:45 am** **Corey Love (NRL):** *“Conduction Phenomena in Atomic Layer Deposition Coatings on Nanoscale Electrode Materials”*
- 12:30-1:30pm** **Lunch break (NIST cafeteria is open)**
- 1:45 pm** **Tour offering: NIST Nanofabrication User Facility**
Tour offering: NIST Photonic Sensors for Pressure and Temperature

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).

