IMPORTANT NOTICE:
To continue receiving your chapter’s event notifications, please be sure your email and postal addresses are up to date on the ASM website:

www.asminternational.org

We will continue to send the hard copy to members who do not have email or have requested email not be sent.

Be sure to visit the chapter’s website:
easternva.asminternational.org

Facility Tour
VCU Nanomaterials Characterization Center
Thursday October 27, 2016

Nanomaterials Characterization Center
Virginia Commonwealth University
West Engineering Building
601 West Main Street, Room 291
Richmond, VA 23284-3068
804-827-7020
www.nano.vcu.edu

3:45 – 4:00 PM  Arrival and Check-in
4:00 – 6:00 PM  Facility Tour

Reservations: Please notify Tri Shrestha at triratna.shrestha@gmail.com by Tuesday, October 25th on your planned attendance. Everyone is welcome.
Chairman's Message:

Our event for last month was unfortunately canceled due to a combination of our speaker’s scheduling and severe weather, so this will be our first official activity of the season. It will begin with a short presentation and proceed to a demonstration of the equipment in the lab. It will be the first opportunity for many of us to see devices such as scanning electron microscopes and atomic force microscopes in action.

This will be a joint activity with the Central Virginia Section of ASME and its two student sections from VCU and VSU. Everyone is invited including guests and nonmembers, and students are encouraged to attend.

About the Facility:

The Nanomaterials Characterization Center (NCC) is a research core facility of the Virginia Commonwealth University (VCU) Office of Research and is located in the Institute for Engineering and Medicine. NCC is a partnership between the VCU School of Engineering and the College of Humanities and Sciences. As a core research facility, resources and services are available by contract to internal university and external commercial users.

The NCC offers technologies that benefit multi-disciplinary industrial and scholarly research in a broad range of sciences to modify, manipulate, or tailor the surface, size, or shape of a particular material.

The NCC has over $11 million in sophisticated materials characterization equipment and analytical services unique to the mid-Atlantic region.

Capabilities include:

- Imaging of samples using electron, optical, or x-ray methods
- Elemental mapping of structural features
  - Complete surface analysis
  - Chemical mapping
  - Depth profiling
  - Elemental Speciation
  - Surface Roughness
- Variety of sample preparation tools

Contact any of our officers if you would like to advertise in our newsletter.
**Upcoming 2016/2017 Events:**

**Nov.:** Social - **Students Night** - Newport News area

**Jan.:** Plant Tour - **Rolls-Royce** - Petersburg

**Feb.:** RJEC Celebrating Engineering Ingenuity & CO₂ Dragster Contest - Science Museum of Virginia, Richmond

RJEC Engineers' Week Banquet - Richmond

**Mar.:** Plant Tour - **Service Center Metals** - Prince George

**Apr.:** Technical Topic* - **Cathodic Protection**

**May:** Tour/Social - **Gunsmith** - Colonial Williamsburg

**July/Aug.:** Student Outreach - **ASM Teachers Camps** - Norfolk/Richmond

* 1 PDH credit will be awarded for each technical presentation attended.

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