



American Vacuum Society
New England Chapter

41th Annual Symposium ♦ Monday, June 6th 2011

Burlington Marriott Hotel, Burlington MA

<http://www.avsnewengland.org/>

Technical Sessions: 9:30 AM to 5:00 PM

Vendor Exhibit: 11:00 AM to 7:00 PM

Complimentary Lunch: 12:00 Noon

Complimentary Dinner Buffet: 5:00 PM

Location: Marriott , 1 Mall Rd., Burlington MA, Exit 33B off I95/128

Attendee Registration: \$20. (Advance registration/ payment on website **by June 3**), \$25 (At the door with check or cash), \$15 (for students). Payment by credit card is available after April 1, on the website. For payment by check, make payable to AVS New England and send to David Diamond, 526 Thousand Oaks Drive, Brewster, MA 02631.

PLEASE NOTE: REGISTRATION ON MONDAY, JUNE 6 AT 4PM AND AFTER IS FREE!!

Keynote Speakers:

- 1) Prof. David Gordon Wilson, Department of Mechanical Engineering, MIT – “ An E-Cubed Policy for Engineers (and Everyone): Energy, Employment and the Environment ”
- 2) Prof. Karsten Pohl, Department of Physics, University of New Hampshire - "3D Surface Compositional Mapping with Nanometer Resolution"
- 3) Prof. Charles Sykes, Department of Chemistry, Tufts University - "Turning a Single Molecule into an Electric Motor"
- 4) Prof. Marina Ruths, Department of Chemistry, University of Massachusetts Lowell - "Nanotribology of Self-Assembled Monolayers in Adhesive and Non-Adhesive Contacts"
- 5) Prof. Nancy Burnham, Department of Physics, Worcester Polytechnic Institute – “Which Fractal Parameter Most Determines Adhesion? “

Symposium Technical Sessions include:

- Semiconductors
- Pollution/Environment/Catalysis
- Energy Technologies
- Nanotechnology
- Biomaterials
- Application of Vacuum Technologies
- New Product Session

RAFFLE PRIZES: All attendees are eligible to enter the raffle drawing with prizes including:

- Cable Modem from Kurt J. Lesker Company
- Sylvania 300 NASCAR Tickets, --- High Technology Lighting from Osram Sylvania Inc.
- Weekend for 2 at the Burlington Marriott Hotel
- Vacuum Technology Book by author Mars Hablanian, ---Museum of Science Tickets

The AVS Science and Technology of Materials, Interfaces and Processing, New England Chapter includes Rhode Island, Massachusetts, Vermont, New Hampshire, and Maine. AVS is an affiliated organization of the American Institute of Physics. For further information, please contact our Chair, Peter Somssich, at 978-750-1633 or peter.somssich@sylvania.com. Please register and find more information at our website www.avsnewengland.org.