***CMP Users Group (Northern California Chapter of the American Vacuum Society,***

***in collaboration with the College of Nanoscale Science and Engineering, SUNY Polytechnic Institute and SEMATECH invite you to join the spring 2015 meeting of the CMPUG at Albany.***

**FREE REGISTRATION/ADMISSION (*Need to register for security approval)***

**\*\*Free registration link on the** [**Event Website**](http://events.r20.constantcontact.com/register/event?oeidk=a07eaqbwyr521b0a74e&llr=txg6hfdab)**.\*\***

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**Meeting Date:** April 16, 2015

**Time:** 1:00-5:30pm*(Registration/Badge Pick-Up begins at 12.30pm)*

**Location:**

*Nanofab South Auditorium*

*College of NanoScale Science & Engineering (CNSE)*

*SUNY Polytechnic Institute*

*255 Fuller Road*

*Albany, NY 12203*

***(\*Web Meeting Instructions, see below for instructions)***

**Parking:** Follow the event parking sign (to be posted by the security prior to the event). *Parking is free*.

**Co-Chair(s):**

Gautam Banerjee, [BANERJG@airproducts.com](mailto:BANERJG@airproducts.com) ; Michael Pevny, [mpevny@mmm.com](mailto:mpevny@mmm.com)

The symposium will provide an international forum for academic researchers, industrial practitioners and engineers from around the world for the exchange of information on state-of-the-art research in CMP semiconductor technology. The CMPUG promotes the exchange of opportunities, ideas, friendly relationships and research collaboration.

**AGENDA:**

12:30pm - Registration/Badge Pick up at Nano Fab South rotunda

1:00pm - Welcome and Acknowledgment of Sponsors; G. Banerjee, Symposium Chair, Air Products

1:05pm - Welcome from AVS Student Chapter @ CNSE and Hudson Mohawk Chapter of AVS; C. Ventrice, Associate Prof of CNSE

1:10pm - Introductory remarks on CMP Center and Welcome to Campus; F. Tolic, Associate VP of Business, CNSE-SUNY Polytechnic Institute/ S. Paparao, Director of Process Technology, SEMATECH

1:25pm - J. Nalaskowski/T. Burroughs - SEMATECH/CNSE - "FEOL CMP Process and Consumables Characterization Vehicle for 14nm Node and Beyond"

1:50pm - H. J. Kim - Global Foundries - "Process optimization in post W CMP in-situ cleaning"

2:15pm - A.S. Vahdat - “Effect of kinematics and abrasive particle dynamics on material removal rate uniformity during polishing”

2:40 - S. Brenner - CNSE - "Occupational Exposure to Nanomaterials: Assessing the Potential for Cutaneous Exposure to Metal Oxide Nanoparticles in a Semiconductor Facility"

3:05 - Coffee Break/Poster Session/Networking

3:40 - M. Corbett - Linx Consulting - "CMP Cost Issues & Impact on Consumables for Memory and Logic"

4:05 - D. Dickmann - Ferro Corporation - "Advances in Ceria Slurries to Address Challenges in Fabricating Next Generation Devices"

4:30 - H. Takeda - Fujimi Corporation - "Development of a High Si3N4 Selective Slurry"

4:55 - H. A. Kwong - SEMATECH - "Out-gassing from III-V Wafer Processing"

5:20 - ICPT announcements

5:25 - Concluding remarks; M. Pevny, Symposium co-Chair, 3M

5:30 - Adjourn/optional tour of NFX viewing area

**All student participants are encouraged to submit poster abstracts through April 10, 2015.**

All presentations will be posted on the CMPUG Proceedings webpage and will be live via **Webcast (see instructions below)**.

If you would like to sponsor this meeting or list a banner ad on the User Group website, please contact Michael Pevny, CMPUG Sponsor Chair at: [mpevny@mmm.com](mailto:James.Xie@vishay.com) or check out our "NCCAVS Marketing/Sponsorship" opportunities at:

<http://www.avsusergroups.org/misc_pdfs/NCCAVS_marketing_opportunities.pdf>

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