NCCAVS
CMP USER GROUP
(www.avsusergroups.org)

Topic: Advances in CMP Consumables, Materials and Tools

Meeting Date: April 16, 2020

Time: 1:00 pm – 4:00 pm

LOCATION: DUE TO THE COVID-19 OUTBREAK THIS MEETING HAS BEEN CHANGED FROM ONSITE LOCATION TO BEING A WEB-BASED MEETING!

Co-Chairs: Michael Pevny, 3M Company, mpevny@mmm.com
Gene Davis, Texas Instruments, g-davis2@ti.com

The Chemical Mechanical Planarization Users Group (CMPUG) Symposium on Advances in CMP Consumables, Materials and Tools commences on April 16, 2020. 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. The areas of focus for this meeting will be the following:

- CMP consumables and materials
- CMP Polishing and Metrology Tools
- CMP Process Integration

SPEAKERS/AGENDA

1:00 p.m. – Welcome and Acknowledgment of Sponsors: Co-Chairs Michael Pevny, 3M)and Gene Davis, Texas Instruments

1:10 p.m. – 100mm - Membrane Carrier Tuning for State of the Art CMP Process Development in R&D Environments, Knut Gottfried, Fraunhofer ENAS

1:35 p.m. – Holistic Approach to the Understanding CMP-Induced Defects, Hong Jin Kim, Global Foundries

2:00 p.m. – CMP – A Leap Forward; Capstone, Catherine Bullock, Axus Technology

2:25 p.m. – No Process Can Change Alone: An Integrated Approach to CMP Consumable Development and Manufacturing, Stephen Bottiglieri, Saint Gobain Abrasives

2:50 p.m. – Characterization of Large Particle Contaminants in CMP Slurries using Holographic Video Microscopy, Laura Philips, Spheryx, Inc.

3:25 p.m. - Case Studies Involving the Use of a 300-mm Brush Scrubber and Tribometer to: (A) Evaluate the Role of Anionic Supramolecular Assemblies in Post-STI-CMP Cleaning, and (B) Determine the Effect of Brush Nodule Placement Density on Shear Force in Time and Frequency Domains in Post-W-CMP Cleaning, Ara Philipossian, Araca Inc.

All approved presentations will be posted on the CMPUG Proceedings webpage within 2 weeks following the meeting.

If you would like to sponsor this meeting or list a banner ad on the User Group website, please check out our “NCCAVS Marketing/Sponsorship” opportunities at: https://nccavs-usergroups.avs.org/wp-content/uploads/2017/08/UG-Sponsor.pdf