2020 CMPUG FALL MEETING AGENDA

NCCAVS – CMPUG Meeting
www.avsusergroups.org

TOPIC: Advancements in CMP Applications and Research

Meeting Date: September 1, 2020
Time: 10:00 a.m. - 2:00 p.m. (PDT) - Time Zone Converter
Platform: Zoom Webinar (Event Registration Required to Receive Invite)

Platinum Sponsors:
- Applied Materials
- Fujimi Corporation
- Morgan Advanced Materials

Gold Sponsor:
- KINIK COMPANY

Copper Sponsor:
- ADVANCED MATERIALS TECHNOLOGY, INC.

CO-CHAIRS
Paul Feeney, Retired, feeneyp@rocketmail.com
Todd Buley, DuPont, todd.w.buley@dupont.com

SPEAKERS/AGENDA
10:00 am – Welcome and Acknowledgment of Sponsors: Co-Chairs Paul Feeney, Todd Buley

10:05 am – Ultra-rapid Bulk Polishing of 150mm Silicon Carbide Substrate with Single-wafer Chemical Mechanical Planarization (CMP), Donshan (Sean) Yu, Applied Materials

10:25 am – Computational modeling of CMP pads: a die-scale model incorporating measured surface roughness, Brian Salazar, University of California Berkeley

10:45 am – Enhanced Melt-blown Filtration For Next Generation CMP Slurries and Applications, Patrick Connor, Pall

11:05 am – Surface and Electrochemical Evaluations for Barrier and Packaging level CMP Optimization, G Bahar Basim, University of Florida

11:25 am – Copper Removal at Short Time with Implications for Polishing Mechanisms, Len Borucki, Araca

11:45 am – Break

12:00 pm – CMP defects: Influence of CMP slurry, handling and delivery, Rahul Trivedi, GlobalFoundries

12:20 pm – CMP Pad Conditioning and Applications to Soft Pads, Scott Lawing, Kinik

12:40 pm – Effective Slurry Mixing and Handling and its Impact on CMP Slurry Particle Health, Carlo Aparece, Mega Fluids Systems

01:00 pm – Correlation between dishing/erosion and electrical properties in copper interconnects after chemical mechanical planarization, Shirley Lin, Versum Materials

01:20 pm – Correlating Shear Force and CoF to Platen Motor Current in Copper, Cobalt, Tungsten, STI and ILD CMP at Non-steady-state and Steady-state Conditions, Ara Philipossian, University of Arizona

01:40 pm – Closing Remarks