

NCCA VS
CMP USER GROUP
(<https://nccavs-usergroups.avs.org/>)

Topic: Advancements in CMP Applications and Research

Meeting Date: October 21, 2021

Time: 1:00 pm – 6:00 pm (Central Time Zone – [Check Your Time Zone](#))

Location: Zoom Webinar

Co-Chairs: Scott Lawing, Kinik North America, slawing@kinikna.com
Jeff McKinnis, Fujimi Corporation, jmckinnis@fujimico.com

The Chemical Mechanical Planarization Users Group (CMPUG) Symposium on Advances in CMP Applications and Research commences on **October 21, 2021**. 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:

- Applications of Artificial Intelligence, Machine Learning and Big Data in CMP
- Future Challenges in and Applications of CMP
- Advancements in CMP consumables and materials
- Advancements in CMP Polishing and Metrology Tools
- Advancements in CMP Process Integration

Agenda

1:00 Welcome and Acknowledgment of sponsors; by conference co-chairs Scott Lawing (**Kinik North America**) and Jeff McKinnis (**Fujimi Corporation**)

1:10 Bringing Value to the Customer with Big Data, Andrea Oehler, PhD (**Fujimi Corporation**)

1:35 Exploiting Fluorescence for Enhanced Nanoparticle Tracking Analysis of CMP slurries, Dr. Jeff Bodycomb and Carl Lundstedt (**Horiba Scientific**)

2:00 Modulating Interfacial Reactions to Develop “Soft” p-CMP Processes, Abigail L. Dudek, Kiana A. Cahue, Tatiana R. Cahue, Mantas M. Miliauskas, and Jason J. Keleher (**Lewis University**)

2:25 Announcements

2:35 Advanced Point of Dispense Filtration for Recirculating Systems, Bradley Wood, (**Entegris**)

3:00 Applications of AI, Machine Learning and Big Data in Chemical Mechanical Polishing, Scott Lawing (**Kinik North America**)

3:25 CMP Knowledge Foundry and Big Data Analytics, A. Philipossian, N. Monfared , Y. Sampurno (**Araca, Inc**), and J. J. Keleher (**Lewis University**)