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Dr. Seo is an Assistant Professor of Chemical and Biomolecular Engineering at Clarkson University in NY, USA. He holds a Ph.D. in Energy Engineering and a Bachelor of Engineering in Materials Science and Engineering from Hanyang University in South Korea. His research focuses on novel planarization and cleaning technologies in manufacturing processes. Dr. Seo collaborates with semiconductor manufacturers and equipment suppliers, advancing CMP through the development of cutting-edge processes and materials. He has established partnerships with various semiconductor companies and supports many chipmakers in driving sustainability in CMP consumable manufacturing through the *Semiconductor Research Corporation EHSS program*. Clarkson has been recognized as a global leader in the CMP field. Currently, Prof. Seo is leading the CMP team at Clarkson University.

Dr. Seo has served on the *CAMP Faculty Advisory Board*, the planning committee of the *CAMP CMP Symposium*, and as a guest editor for a special issue of the *ECS Journal of Solid State Science and Technology*. He has also served as a peer review panelist for the CMP Focus Issue on *ECS Solid State Science & Technology*, and as a technical committee member of the *Microelectronic and Advanced Packaging Technologies Roadmap*. Furthermore, Dr. Seo is deeply committed to *Workforce Development* in the semiconductor industry and has provided valuable insights into the field for students through industry visits.