

KISM 2025 BUSAN

Re:Innovation of Semiconductor Manufacturing for AI Ecosystem

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Katrina Mikhaylichenko, Ph.D., joined Applied Materials in 2013. She is a Senior Director of Technology in the CMP Business Unit. Her team is responsible for new product development and pathfinding, addressing emerging markets and future inflections, creating a pipeline of differentiated products, and fostering strategic external and internal partnerships. Prior to joining Applied Materials, Dr. Mikhaylich has worked for 15+ years at Lam Research leading technology development efforts in the areas of defect reduction, surface preparation and wet cleans. Dr. Mikhaylichenko has a Ph.D. in Physical Chemistry from the University of Southern California. She has been granted over 100 patents.