NVMTS 2024

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Sangbum Kim is an associate professor in the Department of Materials Science and Engineering, Seoul National University. From 2010 to 2018, he was with the IBM T.J. Watson Research Center in NY, USA.

He is currently working on novel semiconductor memory materials and devices for various memory applications such as brain-inspired neuromorphic computing, storage-class memory, and embedded memory. He presently serves as subcommittee chairs for international conferences on semiconductor devices, such as the 2023 International Reliability Physics Symposium (IRPS) and the 2023 International Electron Devices Meeting (IEDM), one of the most prestigious international conferences the semiconductor devices.

He received his B.S. degree from Seoul National University, Seoul, Korea, in 2001 and his M.S. and Ph.D. degrees from Stanford University, Stanford, CA, in 2005 and 2010, respectively, all in electrical engineering. His Ph.D. dissertation focused on the scalability and reliability of phase change memory (PCM).