Professor/Director Sang Bok Lee

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Sang Bok Lee is Professor at the Department of Chemistry and Biochemistry and Director of Maryland NanoCenter, University of Maryland (UMD), College Park, MD, USA. He has also served Deputy Director of the NEES-EFRC (Nanostructures for Electrical Energy Storage - Energy Frontier Research Center, A DOE supported research center in 2009-2020) for 11 years and continues a DOE research program. He had a joint appointment as a WCU Professor having a separate operational lab and an Invited Professorship at KAIST in 2009-2020. He received his B.S., M.S., and PhD (1997) in Chemistry from Seoul National University, Korea. He then worked at LG Semicon (now SK Hynix) for two years as senior research engineer (1997-1999) and moved to USA to learn electrochemistry holding a research associate position at the University of Florida (1999-2002), before joining UMD as Assistant Professor in 2002. He has served the founding President of the Electrodeposition Division of the Korean Electrochemical Society (KECS) and the Science Committee of the 44th International Chemistry Olympiad. His research focuses on the fundamental study of heterogeneous nanostructures and the fast electrochemistry of nanomaterials for applications from high power energy storage to electronics to nanomedicine such as high power batteries, catalytic polymerization, ultrafast electrochromic displays, nanoreactors, nanotoxicology, and drug delivery.