Prof. Min Hwan Lee

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Min Hwan Lee is a Professor in the Department of Mechanical and Aerospace Engineering at the University of California, Merced, where he has been a faculty member since 2012 and currently serves as Vice Chair of the department. He is also affiliated with the Materials and Biomaterials Science and Engineering (MBSE) program and the Center for Information Technology Research in the Interest of Society (CITRIS). Prof. Lee received his Ph.D. and M.S. degrees in Mechanical Engineering from Stanford University and his B.S. degree from Seoul National University in South Korea. After completing his doctoral studies, he worked as a management consultant at A.T. Kearney before returning to academia as a postdoctoral researcher in Materials Science and Engineering at Seoul National University.

His research focuses on charge transport and electrochemical reactions at surfaces and interfaces of nanostructured materials for energy conversion and storage applications, including solid oxide fuel cells and electrolyzers, electrocatalysis, solid-state batteries, and hydrogen storage systems. His group combines atomic- and nanoscale surface engineering with advanced characterization techniques such as scanning probe microscopy, atomic layer deposition, and in situ/operando X-ray spectroscopy to uncover fundamental mechanisms governing performance and durability. Prof. Lee has published more than 75 peer-reviewed journal articles and has received funding from federal agencies such as the National Science Foundation, NASA, Army Research, global industry and international partners. He is the recipient of the NSF CAREER Award (2018) and was featured in the 2020 Emerging Investigators issue of *Journal of Materials Chemistry A* by the Royal Society of Chemistry.