



Prof. Jeong Hwan Han

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Dr. Jeong Hwan Han has been a professor in the Department of Materials Science and Engineering at Seoul National University of Science and Technology (SEOULTECH) since 2017. His research focuses on DRAM electrode and dielectric materials, next-generation low-resistance interconnect materials, high-mobility p-type/n-type oxide semiconductors, and tandem perovskite solar cells. Before joining Seoul National University of Science and Technology, he was a senior researcher at the Thin Film Materials Research Center of the Korea Research Institute of Chemical Technology (KRICT) from 2013 to 2017, where he conducted research on ALD precursors and process development. He also worked as a postdoctoral researcher at the IMEC Thin Films Scientific Group from 2012 to 2013, where he focused on in-situ process analysis of ALD rare-earth high-k oxides. Dr. Han received his Bachelor's, Master's, and Ph.D. degrees from the Department of Materials Science and Engineering at Seoul National University, with his doctoral research focusing on MIM capacitors using ruthenium-based electrodes. Throughout his research career, he has published over 100 SCI papers.