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Yooun Heo is a material physicist, studying a variety of functional materials (ferroic, oxides, organic halide perovskite, and van der Waals materials) via scanning probe microscopy to understand fundamentals of mechanical, electronic, ionic, and magnetic properties at the nanoscale for next-generation information and energy technologies. He obtained a Bachelor of Engineering, majoring in photovoltaics and solar energy and a Ph.D. in Materials Science at UNSW Sydney. And then, he held several postdoctoral researcher positions in Kyoto University, University of Warwick, and ETH Zurich. Currently, he is an assistant professor of the Department of Physics at Inha University.