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Prof. Han Ku Nam is an Assistant Professor in the School of Mechanical Engineering at Chungnam National University (CNU), Daejeon, Korea. He earned his Ph.D. from the Korea Advanced Institute of Science and Technology (KAIST) in 2023 and his M.S. in Mechanical Engineering from Stony Brook University (SUNY) in 2018. He received dual B.S. degrees in Mechanical Engineering from Stony Brook University and Ajou University through a dual-degree program (2017 and 2018, respectively). After completing his doctoral training, he worked as a Postdoctoral Researcher at KAIST, focusing on laser–matter interactions and advanced manufacturing.

His research centers on laser-based micro/nanomanufacturing, including femtosecond laser processing, laser surface texturing and functional modification, and laser direct writing for functional materials and devices. His current interests include laser-induced graphene (LIG) and biomass-derived porous carbon materials for green electronics, flexible/wearable devices, and rechargeable battery electrodes, with an emphasis on scalable process, structure, property, performance links.