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Photo



Director. Sang-Wook Han

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Dr. **Sang-Wook Han** is the Director of the Quantum Application Technology Hub and a Principal Research Scientist at the Korea Institute of Science and Technology (KIST). He also serves as a professor at the University of Science and Technology (UST) and the KU-KIST Graduate School. He received his B.S., M.S., and Ph.D. in Electrical Engineering from KAIST.

Before joining KIST in 2012, he worked at Samsung Advanced Institute of Technology (SAIT) and Pixelplus, where he conducted research on CMOS image sensors and advanced imaging devices. His current research focuses on quantum communication, quantum computing systems, integrated quantum photonics, and diamond quantum technologies. His group has developed practical quantum key distribution (QKD) systems, integrated lithium niobate quantum photonic circuits, and photonic quantum computing technologies.

Dr. Han has authored more than 70 SCI journal papers and holds over 50 domestic and international patents in quantum information technologies. He has received numerous honors, including the Prime Minister's Commendation for the Promotion of Science and Technology (2021), the KIST Scientist of the Month Award (2022), the Journalist's Scientist of the Year Award (2023), and the NST Chairman's Outstanding Researcher Award (2026). He has also served in several national leadership roles, including President of the Korean Quantum Information Society and as a member of Korea's National Quantum Strategy Committee, contributing to the advancement of the nation's quantum science and technology ecosystem.