

Prof Gyuboong JO
Assistant Professor, Department of Physics
School of Science
The Hong Kong University of Science and Technology

Biography

Prof Gyuboong JO has been an Assistant Professor in the Department of Physics at The Hong Kong University of Science and Technology (HKUST) since 2013. After receiving his Bachelor degrees in physics and mathematics from the Seoul National University in 2003, he continued his PhD in atomic physics at the Massachusetts Institute of Technology (MIT) where he was awarded the Samsung Foundation Graduate Fellowship in 2004-2009. He then joined the University of California, Berkeley as a postdoctoral fellow from 2010 to 2013.



Prof Jo's main research area focuses on the exploration of interface between Atomic Molecular Optical (AMO) physics and condensed-matter physics with an aim to realize synthetic quantum materials. Prof Jo has made major discoveries including the finding of the non-classical many-body quantum state preserving long coherence time in ultra-cold atoms, and the realization of a rare Kagome pattern for ultra-cold atoms. His work was published in many distinguished journals such as *Science*, *Physical Review Letters* and *Scientific Reports*.

Prof Jo's discoveries have inspired many new research projects and opened a plethora of possibilities in information storage, processing, and better inertial sensors like gravimeters.

Awards

2016	Croucher Innovation Award
2014	Research Grants Council Early Career Award
2013	AKPA Outstanding Young Researcher Award (OYRA)
2004-2009	Samsung Foundation Graduate Fellowship