

Dr Kam Tuen LAW
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Biography

Dr Kam Tuen Law has been an Assistant Professor in the Department of Physics at the Hong Kong University of Science and Technology (HKUST) since 2011. After receiving his bachelor's degree from HKUST in 2003, he moved to Brown University to continue his graduate study where he obtained his PhD degree in 2008. He was a joint postdoctoral fellow of HKUST Jockey Club Institute for Advanced Study and Massachusetts Institute of Technology (MIT) in 2008 and a Croucher Postdoctoral Fellow at MIT from 2009 to 2011.



Dr Law is a condensed matter theorist. His research focuses on the study of exotic states of matter such as fractional Quantum Hall states, topological insulators, topological superconductors, and low dimensional superconductors.

In particular, Dr Law has published a number of works in recent years on the realization and detection of topological superconductors, which have potential applications in making quantum computers and spintronic devices. His research results appear in international journals such as *Physical Review Letters* and *Nature Communications*. Some of his theoretical predictions have been used to explain the results of several key experiments on the detection of topological superconductors.

Since joining HKUST, Dr Law has been an organizer or co-Chair of several international conferences and workshops related to topological matters. In 2015, he received the Croucher Innovation Award for his proposed study on topological materials.

Awards

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| 2015 | Croucher Innovation Award |
| 2014 | HKUST School of Science Research Award |
| 2009-2011 | Croucher Postdoctoral Fellowship |
| 2008 | Brown University Anthony Houghton Award for Theoretical Physics |