

Curriculum Vitae

Hiroki Isobe

Postdoctoral Associate

Department of Physics, Massachusetts Institute of Technology
Cambridge, Massachusetts 02139, United States of America

Education

PhD. (Engineering), September 2015

Department of Applied Physics, University of Tokyo

Dissertation: Theoretical Study on Electron Correlation Effects in Topological Matters

Supervisor: Prof. Naoto Nagaosa

MEng, March 2013

Department of Applied Physics, University of Tokyo

Thesis: Renormalization Group Analysis of Dirac Electrons in Solids

Supervisor: Prof. Naoto Nagaosa

BEng, March 2011

Department of Applied Physics, University of Tokyo

Research interest — Condensed matter theory

- Strongly correlated electron systems
- Topological insulators/superconductors
- Quantum phase transition
- Dirac materials
- Quantum Hall effect

Fellowships and awards

- 2016 Springer Theses (PhD thesis award)
- 2013–2015 Japan Society for the Promotion of Science Research Fellow
- 2013 Tanaka Shoji Prize (Masters' thesis prize), Department of Applied Physics, University of Tokyo.