

Masaki Oshikawa

Ohio Eminent Scholar in Condensed Matter Theory and Professor Department of Physics, the Ohio State University

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Curriculum Vitae as of May 12, 2026

[Family Name] Oshikawa

[Given Name] Masaki

[Date of Birth] January 12th, 1968

[Nationality] Japan

[Education]

Mar. 1990 B. Sc., Department of Physics, Faculty of Science, University of Tokyo

Mar. 1992 M. Sc., Department of Physics, Graduate School of Science, University of Tokyo
(advisor: Prof. Takeo Izuyama)

Dec. 1995 Ph. D., Department of Physics, Graduate School of Science, University of Tokyo
(Thesis title: *Hidden symmetry and phase transitions in quantum spin chains with general integer spin*, advisor: Prof. Mahito Kohmoto)

[Professional Career]

Apr. 1992—Mar. 1994 JSPS (Japan Society for Promotion of Science) Fellow (as a Ph. D. student)

Apr. 1994—Nov. 1995 Research Associate, Department of Applied Physics, University of Tokyo
(supervisor: Prof. Naoto Nagaosa)

Nov. 1995—Jan. 1998 Killam Post-Doctoral Fellow, Department of Physics and Astronomy,
University of British Columbia (advisor: Prof. Ian Affleck)

Feb. 1998—Mar. 2006 Associate Professor, Department of Physics, Tokyo Institute of Technology

Apr. 2006—Mar. 2026 Professor, Institute for Solid State Physics (ISSP), University of Tokyo

Sep. 2016—present Visiting Senior Scientist, Kavli Institute for the Physics and Mathematics of
the Universe (IPMU), University of Tokyo

Apr. 2013—Mar. 2017 Chair, Division of Condensed Matter Physics, ISSP, University of Tokyo

Apr. 2021—Mar. 2025 Chair, Quantum Materials Group, ISSP, University of Tokyo

Apr. 2026—present Senior Fellow, ISSP, University of Tokyo

Apr. 2026—present Ohio Eminent Scholar in Condensed Matter Theory and Professor,
Department of Physics, the Ohio State University

[Research Field]

Condensed matter theory, statistical physics, and field theory, in particular quantum many-body problems

[Membership]

Physical Society of Japan, American Physical Society, Society of Electron Spin Science and Technology (Japan)

[Awards and Honors]

The 7th Ryogo Kubo Memorial Award (September 2003), Inoue Foundation for Science
SEST award for young scientist (October 2005), Society of Electron Spin Science and Technology (Japan)

Japan Society for the Promotion of Science (JSPS) Prize (March 2008)

Fellow, American Physical Society (September 2019)

Award for Science and Technology (Research Category) (April 2022), Minister of Education, Culture, Sports, Science and Technology of Japan

Nishina Memorial Prize (December 2025), Nishina Memorial Foundation, Japan

[Research Activities]

For details, please refer to

Google Scholar (publications and citations): <https://scholar.google.com/citations?hl=en&user=k4JrtHkAAAAJ>

Researchmap (talks, grants, etc.): <https://researchmap.jp/MasakiOshikawa?lang=en>

Group web page: <https://oshikawa-group.github.io/>

[Educational Activities]

At University of Tokyo, I supervise graduate students and teach graduate courses with a cross-appointment to Department of Physics. At my previous position in Tokyo Institute of Technology, I taught both graduate and undergraduate courses, and supervised both graduate (Master's and Ph. D) and undergraduate (Bachelor thesis) students. To date, 22 students have successfully obtained their Ph. D. degrees (4 from Tokyo Institute of Technology and 18 from University of Tokyo). Four of the Ph. D.'s from University of Tokyo were international students (1 from Switzerland and 3 from China). Three research associates and nine postdoctoral fellows (5 from Japan, 2 from Taiwan, 1 from Hungary, and 1 from Australia) have also joined my group. Besides regular courses I teach as a part of my duties at my home institution, I often give series of lectures at other institutions or as a part of event such as a summer school. I also taught a special undergraduate course "Contemporary Physics" at University of Tokyo, which covered fascinating topics beyond regular curricula and attracted some of the best students in the University.

- List of Ph. D. graduates I have supervised and their current positions

Ph. D. awarded by Tokyo Institute of Technology

Masahiro Sato (Ph.D. 2005) Professor, Chiba University, Japan

Yoshitaka Maeda (Ph. D. 2005) Fujifilm Inc.

Shunsuke Furukawa (Ph. D. 2007) Associate Professor, Keio University, Japan

Akiyuki Tokuno (Ph. D. 2008) Editor, Springer Japan

Ph. D. awarded by University of Tokyo

Thomas Eggel (Ph. D. 2011) Nordhang Film, Switzerland

Shunsuke C. Furuya (Ph. D. 2012) Lecturer, Saitama Medical University, Japan

Shintaro Takayoshi (Ph. D. 2012) Associate Professor, Konan University, Japan

Wenxing Nie (Ph. D. 2014) Associate Professor, Sichuan University, China

Yuta Kumano (Ph. D. 2015) Kioxia Inc., Japan

Yohei Fuji (Ph. D. 2015) Lecturer, Department of Physics, Ritsumeikan University, Japan

Emika Takata (Ph. D. 2017) Asahi Kasei Inc., Japan

Yuya Nakagawa (Ph. D. 2018) Lead Research Scientist, QunaSys (a quantum computing startup company), Japan

Hiroyuki Fujita (Ph. D. 2019) Keyence Corporation, Japan

Yoshiki Fukusumi (Ph. D. 2019) Post-Doctoral Fellow, National Center for Theoretical Sciences, Taiwan

Masahiko Yamada (Ph. D. 2020) Lecturer, Waseda Institute for Advanced Study, Japan

Yuan Yao (Ph. D. 2021) Associate Professor, Shanghai Jiao Tong University, China

Ryohei Kobayashi (Ph. D. 2021) Associate Professor, Department of Applied Physics, University of Tokyo

Chenhua Geng (Ph. D. 2022) Lightelligence, China

Yuichiro Hidaka (Ph.D. 2023) QunaSys, Japan

Linhao Li (Ph. D. 2023) Post-Doctoral Fellow, Pennsylvania State University, USA

Kansei Inamura (Ph. D. 2024) Leverhulme-Peierls Fellow, Oxford University, UK

Atsushi Ueda (Ph. D. 2024) Post-Doctoral Fellow, Ghent University, Belgium

- Other notable students I have supervised

Kiyoshi Tamaki (Bachelor and Master degrees, Tokyo Institute of Technology, 1999 and 2001), Ph. D. at SOKENDAI, currently Professor at Toyama University

Sungbin Lee (Bachelor degree, Tokyo Institute of Technology 2006), Ph. D. at UC Santa Barbara, currently Associate Professor at Korea Advanced Institute of Science and Technology

Seishiro Ono (Master degree, University of Tokyo 2020), Ph. D. at Department of Applied Physics, University of Tokyo, currently Research Associate at Institute for Solid State Physics, University of Tokyo)