

## TAKASADA SHIBAUCHI

Professor

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Born: July, 1967 (Osaka, Japan)      Citizenship: Japanese



### Education

Ph. D. (Eng.) February 12, 1999. - Department of Applied Physics, University of Tokyo, Japan (Supervisor: Professor Kunimitsu Uchinokura)

MS March 30, 1992. - Department of Superconductivity, University of Tokyo, Japan

BS March 28, 1990. - Department of Applied Physics, University of Tokyo, Japan

### Experience

2014- Professor - Department of Advanced Materials Science, University of Tokyo

2021-2022 Visiting Professor - Department of Physics, Nagoya University

2014-2016 Visiting Professor - Department of Physics, Kyoto University

2005-2014 Associate Professor - Department of Physics, Kyoto University

2001-2005 Associate Professor - Department of Electronic Science and Engineering, Kyoto University

2001-2001 J. Robert Oppenheimer Fellow - Los Alamos National Laboratory (USA)

1999-2001 Visiting Scientist - IBM Thomas J. Watson Research Center (USA)

1999-2000 Postdoctoral Fellow (Director's Funding) - Los Alamos National Laboratory (USA)

1993-1999 Research Associate - Department of Applied Physics, University of Tokyo

### Honors

2023 Outstanding Referee, American Physical Society

2019 Prize for Science and Technology, The Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology (MEXT), Japan

2017 Fellow, American Physical Society

2014 Highly Cited Researcher, Thomson Reuters

2001 J. Robert Oppenheimer Fellow, Los Alamos National Laboratory

### Community Activities

Reviewer for international scientific journals, including APS journals (PRL, PRB, PRX, PRM), AAAS journals (Science, Science Advances), NPG journals (Nature, Nature Materials, Nature Physics, Nature Communications, npj Quantum Materials, Scientific Reports), PNAS, NJP, EPL, JPCM, JPSJ, etc.

Reviewer for Grants-in-aid for Scientific Research, Japan Society for the Promotion of Science (JSPS), Natural Science and Engineering Research Council of Canada, Academic Committee, Institute of Physics, Swiss National Science Foundation, Chinese Academy of Sciences

Organizing/Program committee member, QLC2023, LT29, QLC2021, SCES2019, Domestic meeting on Vortex Physics (Kyoto, 2007), International Workshop on Vortex Physics (Vortex 2009, Lake Yamanaka), International Symposium on Superconductivity (ISS2009, ISS2010, ISS2011, ISS2016, ISS2017)

Chair (elected), Department of Advanced Materials Science, University of Tokyo (2016-2017, 2022-2023)

Principal Investigator, "Physical Properties of Quantum Liquid Crystals", KAKENHI project on Innovative Areas from JSPS of Japan.

### Publications

385 publications: 240 research papers (including 4 in Nature, 10 in Science, 8 in Nature Physics, 19 in Nature Communications, 7 in Science Advances, 12 in PNAS, 8 in Physical Review X, 50 in Physical Review Letters, 8 in Physical Review Research, 65 in Physical Review B), and 38 review papers, in addition to 107 papers in conference proceedings in the following areas:

Superconductivity: Exotic superconductors; Superconducting symmetry; Electronic structure; Vortex physics; Josephson properties; High-field transport properties; Microwave properties.

Magnetism: Quantum spin liquids; Kitaev spin liquids; Magnetic torque measurements; Magneto-optical observations; Magnetic properties of nano-structured materials.

Sum of the times cited: 17,010 h-index: 66 (Web of Science)