

CV of Prof. /Dr. Toshiyuki Hibiya (as of Jun. 12, 2023)

Affiliation:

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Education:

1980 B.S. (Geophysics), Department of Geophysics, Faculty of Science, University of Tokyo

1982 M.S. (Physical Oceanography), Department of Geophysics, Graduate School of Science, University of Tokyo

1985 Ph.D. (Physical Oceanography), Department of Geophysics, Graduate School of Science, University of Tokyo

Employment/Professional Experience

1985.10- 1987.3 Research Assistant: Department of Tsunami and Storm Surges, Earthquake Research Institute, University of Tokyo

1987.4- 1992.2 Research Associate: Department of Tsunami and Storm Surges, Earthquake Research Institute, University of Tokyo

1989.5- 1990.4 Postdoctoral Research Associate: Department of Oceanography, University of British Columbia, B.C., Canada

1990.5- 1991.4 Postdoctoral Research Associate: Geophysics Program, University of Washington, WA, U.S.A.

1992.3- 1995.9 Associate Professor of Physical Oceanography: Division of Earth and Planetary Sciences, Graduate School of Science, Hokkaido University

1995.10- 1998.10 Associate Professor of Physical Oceanography: Center for International Cooperation, Ocean Research Institute, University of Tokyo

1998.11- 2000.3 Associate Professor of Physical Oceanography: Department of Earth and Planetary Physics, Graduate School of Science, University of Tokyo

2000.4- 2022.3 Professor of Physical Oceanography: Department of Earth and Planetary Science, Graduate School of Science, University of Tokyo

2022.3- Present President of the Japan Marine Science Foundation for the Promotion of Marine Science

2022.4- Present Visiting Principal Researcher of the Japan Agency for Marine-Earth Science and Technology (JAMSTEC),

2022.6- Present Emeritus Professor of the University of Tokyo

2022.10- Present Visiting Professor of Tokyo University of Marine Science and Technology

Research Interests:

Parameterization of diapycnal mixing processes in the deep ocean for next-generation global circulation models, Accurate modeling of the upper ocean response through improved parameterization of mixed layer dynamics, Dynamics of the Kuroshio meander.

Honors:

- The Okada Memorial Prize of the Oceanographic Society of Japan (1989)
- Research Fellowship in the Natural Sciences of the Mitsubishi Foundation (2005, 2019)
- The Society Prize of the Oceanographic Society of Japan (2008)
- The Japanese-French Oceanographic Society Outstanding-Publication Award (2010)
- Distinguished Lecturer in the Ocean Sciences Section of the Asian Oceania Geosciences Society (AOGS) (2011)
- The Hidaka Outstanding-Publication Award of the Oceanographic Society of Japan (2013)

- The Hidaka Outstanding-Publication Award of the Oceanographic Society of Japan (2014)
- The Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology, Awards for Science and Technology (Research Category) (2020)
- The 14th Prime Minister's Commendation for Merits in Promoting a Maritime Nation (2021)
- International Union of Geodesy and Geophysics (IUGG) Honorary Member (Fellow) (2023)

Memberships:

- The Oceanographic Society of Japan, 1980- Present
- American Geophysical Union (AGU), 1984- Present
- Asia Oceania Geoscience Society (AOGS), 2008- Present
- Japan Geophysical Union (JpGU), 2008- Present

Services on international professional bodies and societies:

- Chair, Registration Division of the Organizing Committee for the XXIII General Assembly of the International Union of Geodesy and Geophysics (IUGG 2003) held in Sapporo, Japan, 2000.4-2004.3
- Full Member, IAPSO/SCOR Working Group 121 on “Deep-Ocean Mixing”, 2002.10-2007.8
- Executive Committee Member, The International Association for the Physical Sciences of the Oceans (IAPSO), 2011.6- 2019.7
- Vice-President, Ocean Sciences Section of the Asia Oceania Geosciences Society (AOGS), 2011.8-2012.8, 2014.8- 2015.8
- President, Ocean Sciences Section of the Asia Oceania Geosciences Society (AOGS), 2012.8-2014.8
- Full Member, IAPSO/SCOR Working Group 160 on Analyzing Ocean turbulence observations to quantify mixing (ATOMIX), 2020.10- Present
- Session Conveners of OSM, IAPSO, IUGG, AOGS, and JpGU-AGU Joint Meetings, 2011.6-Present

Services on national professional bodies and societies

- Councilor, The Oceanographic Society of Japan (JOS), 1997.4- Present
- Officer, The Oceanographic Society of Japan (JOS), 1997.4- 2001.3, 2003.4- 2007.3, 2011.4-2015.3
- Member, Awards Committee of the Oceanographic Society of Japan (JOS), 2005.4-2007.3, 2008.4-2010.3, 2012.4- 2014.3, 2022.4- Present
- President, The Oceanographic Society of Japan (JOS), 2015.4- 2019.3
- Auditor, The Oceanographic Society of Japan (JOS), 2019.4- Present
- Science Board Member, Japan Geoscience Union (JpGU), 2012.6- 2013.5
- Representative, Japan Geoscience Union (JpGU), 2012.7- Present
- Director, Global Strategy Committee of the Japan Geoscience Union (JpGU), 2014.5- 2018.5
- Executive Committee Chair, The Japan Geoscience Union (JpGU) 2016 Annual Meeting, 2015.7-2016.5
- President, Academic Society Presidents Meeting of the Japan Geoscience Union (JpGU), 2015.7-2016.5
- Member, Awards Committee (Miyake Prize) of the Japan Geoscience Union (JpGU), 2019.11-Present
- Director, General Affairs Committee of the Japan Geoscience Union (JpGU), 2018.5- Present
- Chair, the General Affairs Committee of the Japan Geoscience Union (JpGU), 2021.5- 2022.5
- Member, General Affairs Committee of the Japan Society of Ocean Policy (JSOP), 2013.4- 2021.3
- Director, Japan Society of Ocean Policy (JSOP), 2014.12- 2018.12
- Director, Japan Marine Science Foundation for the Promotion of Marine Science (JMSF), 2014.6-2022.2

- Member, General Committee for Research and Development of the Japan Marine Science Foundation for the Promotion of Marine Science (JMSF), 2015.5- 2017.9
- President, Japan Marine Science Foundation for the Promotion of Marine Science (JMSF), 2022.3- Present

Public Organization

- Member, Liaison Committee for Physical Sciences of the Oceans of the Science Council of Japan, 2000.10- 2003.9
- Member, Liaison Committee for Atmospheric and Hydrospheric Sciences of the Science Council of Japan, 2003.11- 2006.11
- Specially-Appointed Associate Member of the Science Council of Japan, 2012.2- 2020.9
- Member, National Committee for International Association for the Physical Sciences of the Oceans (IAPSO) in the Subcommittee for IUGG at the Japan Science Council's Earth and Planetary Science Committee, 2012.2- 2020.10
- Chair, National Committee for International Association for the Physical Sciences of the Oceans (IAPSO) in the Subcommittee for IUGG at the Japan Science Council's Earth and Planetary Science Committee, 2020.11- Present
- Cooperation Member, Subcommittee for the Scientific Committee on Oceanic Research (SCOR) at the Japan Science Council's Earth and Planetary Science Committee, 2016.10- 2020.9
- Vice-Chair, Subcommittee for the Scientific Committee on Oceanic Research (SCOR) at the Japan Science Council's Earth and Planetary Science Committee, 2020.10- Present
- Associate Member, The Science Council of Japan, 2020.10- Present
- Expert Investigator, Ministry of Education, Culture, Sports, Science and Technology (MEXT) Science and Technology Experts Network, 2012.9- 2013.5
- Member, Ministry of Education, Culture, Sports, Science and Technology (MEXT) Scientific Research on Innovative Expert Committee, 2017.12-2018.3
- Member, Marine Science and Technology Project Team (PT) in the Councilors' Meeting of the Headquarters for Ocean Policy at the Cabinet Office of Japan, 2015.7- 2016.3
- Policy Advisor, Japan Coast Guard, 2017.4- 2022.3
- Member, Committee on Tsunami Prediction Technology in the Japan Meteorological Agency (JMA), 2022.2- 2022.3
- Member, Committee of Validation and Examination for Degrees in the National Institution for Academic Degrees and University Evaluation. 2012.4- 2024.3
- Advisor, Japan Agency for Marine-Earth Science and Technology (JAMSTEC), 2016.6- 2016.7
- Member, Operation Committee for R/V Mirai of the Japan Agency for Marine-Earth Science and Technology (JAMSTEC), 2005.5- 2006.3, 2006.5- 2007.3
- Member, Management Council for the Shared Use of T/V Shinyo-Maru of the Tokyo University of Marine Science and Technology, 2012.5- 2022.3
- Member, Science Advisory Committee for the International Pacific Research Center (IPRC) of the University of Hawaii, Honolulu, U.S.A., 2007.4- 2014.3
- Member, External Evaluation Committee for the Division of Earth Environmental Dynamics and the Center for East Asian Ocean-Atmosphere Research of the Research Institute for Applied Mechanics of Kyushu University, 2016.6
- Member, External Evaluation Committee for Applied Mechanics and Joint Usage / Collaborative Research Center of Kyushu University, 2020.10- 2021.3

Journal Editorships:

- Editorial Board, *Journal of Oceanography*, 1996.4- 2003.3
- Editor-in-Chief, *Journal of Oceanography*, 2011.4- 2015.3
- Editorial Board, *Geoscience Letters*, 2012.8- 2016.8
- Editorial Board, *Progress in Earth and Planetary Science*, 2013.6- 2018.3
- Editorial Board, *Frontiers in Marine Science*, 2018.11- Present

University and Faculty committees

- Advisor to the President of the University of Tokyo, 2010.4- 2011.3
- Member, Promotion Committee of the University of Tokyo Ocean Alliance, 2009.4- 2019.3
- Member, Steering Committee of the University of Tokyo Ocean Alliance, 2011.4- 2019.3
- President, The University of Tokyo Ocean Alliance, 2013.4- 2019.3
- Member, Special Committee for the Interview for the Admission Office Entrance Examination for the PEAK (Programs in English at Komaba Campus) at the University of Tokyo, 2012.4- 2014.3
- Member, Review Committee for the PEAK (Programs in English at Komaba Campus) at the University of Tokyo, Apr. 2015.4- 2021.5
- Member, Steering Committee of the Earthquake Research Institute of the University of Tokyo, 2009.4- 2013.3
- Member, Steering Committee of the Atmosphere and Ocean Research Institute of the University of Tokyo, 2009.4- 2022.3