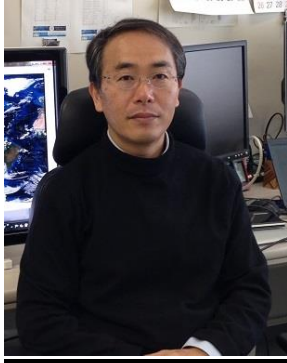


Masaki Satoh - Curriculum Vitae

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Education

Ph.D., the University of Tokyo, Geophysics, 1993

M.S., the University of Tokyo, Geophysics, 1988

B. S., the University of Tokyo, Geophysics, 1986

Employment (2003-present)

Aug. 1993-Mar. 2005: Saitama Institute of Technology, Japan (Aug. 1993-Dec. 1996: Lecturer; Jan. 1997-Mar. 2005: Associate Professor)

Apr. 1998-Mar. 1999: Senior visiting scholar at Department of Applied Mathematics and Theoretical Physics, Cambridge Univ., UK

Oct. 1999-present: Researcher, Japan Agency for Marine-Earth Science and Technology, Japan (part time; formally Frontier Research Center for Global Change: Oct. 1999-Mar. 2009)

Apr. 2005-Oct. 2011: associate professor, Atmosphere and Ocean Research Institute, The Univ. of Tokyo, Japan (formally Center for Climate System Research: Apr. 2005-Mar 2010)

Apr. 2011-present: Senior Researcher, Japan Aerospace Exploration Agency (part time)

Oct. 2011-present: professor, Atmosphere and Ocean Research Institute, The Univ. of Tokyo, Japan

Synergistic activities

Lead Author of The Intergovernmental Panel on Climate Change (IPCC), Sixth Assessment Report: Working Group I (Chapter 11) [2018-]

Chief Editor of *J. Meteor. Soc. Japan*

Board Member of *SOLA*

A member of Asia Oceania Geosciences Society Publication Committee [2017-]

Associate Editor of *Monthly Weather Review*

Director of the Meteorological Society of Japan
Section Board Member and Delegate of Japan Geoscience Union
Member of the Meteorological Society of Japan, the American Meteorological Society,
Japan Geoscience Union, and the Asia Oceania Geosciences Society

Awards

2007 Japan Meteorological Society Award
2011 JMSJ Award in 2011
2016 JMSJ Award in 2015
2016 Science and Technology award of the Minister of Education, Culture, Sports, Science and Technology's commendation
2016 Progress in Earth and Planetary Science Most Accessed Paper Award 2016
2017 Progress in Earth and Planetary Science Most Cited Paper Award 2017

Significant publications

1. Satoh, M. (1994) Hadley circulations in radiative-convective equilibrium in an axially symmetric atmosphere. *J. Atmos. Sci.*, 51, 1947-1968.
2. Miura, H., Satoh, M., Nasuno, T., Noda, A. T., Oouchi, K. (2007) An Madden-Julian Oscillation event simulated using a global cloud-resolving model. *Science*, 318, 1763-1765.
3. Satoh, M., T. Matsuno, T., H. Tomita, H. Miura, T. Nasuno, S. Iga, (2008) Nonhydrostatic Icosahedral Atmospheric Model (NICAM) for global cloud resolving simulations. *Journal of Computational Physics*, 227, 3486-3514.
4. Satoh, M. (2013) Atmospheric Circulation Dynamics and General Circulation Models, 2nd edition. Springer-PRAXIS, 757 pp.
5. Satoh, M., Tomita, H., Yashiro, H., Miura, H., Kodama, C., Seiki, T., Noda, A. T., Yamada, Y., Goto, D., Sawada, M., Miyoshi, T., Niwa, Y., Hara, M., Ohno, Y., Iga, S., Arakawa, T., Inoue, T., Kubokawa, H. (2014) The Non-hydrostatic Icosahedral Atmospheric Model: Description and development. *Progress in Earth and Planetary Science*, 1, 18.
6. Miyakawa, T., Satoh, M., Miura, H., Tomita, H., Yashiro, H., Noda, A. T., Yamada, Y., Kodama, C., Kimoto, M., Yoneyama, K. (2014) Madden-Julian Oscillation prediction skill of a new-generation global model. *Nature Commun.*, 5, 3769.
7. Satoh, M., Yamada, Y., Sugi, M., Kodama, C., Noda, A. T. (2015) Constraint on future change in global frequency of tropical cyclones due to global warming. *J. Meteorol. Soc. Japan*, 93, 489-500.
8. Satoh, M., Aramaki, K., and Sawada, M. (2016) Structure of tropical convective systems in aqua-planet experiments: Radiative-convective equilibrium versus the Earth-like experiment. *SOLA*, 12, 220-224.
9. Yamada, Y., Satoh, M., Sugi, M., Kodama, C., Noda, A. T., Nakano, M., Nasuno, T. (2017) Response of tropical cyclone activity and structure to global warming in a high-resolution global nonhydrostatic model. *J. Climate*, 30, 9703-9724.
10. Satoh, M., Tomita, H., Yashiro, H., Kajikawa, Y., Miyamoto, Y., Yamaura, T., Miyakawa, T., Nakano, M., Kodama, C., Noda, A. T., Nasuno, T., Yamada, Y., Fukutomi, Y. (2017) Outcomes and challenges of global high-resolution non-hydrostatic atmospheric simulations using the K computer. *Progress in Earth and Planetary Science*, 4, 13.

Full list of papers: <http://cesd.ori.u-tokyo.ac.jp/satoh/papers.html>