

## Masaki Satoh - Curriculum Vitae

Professor, Atmosphere and Ocean Research Institute, the University of Tokyo  
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Web page: <http://157.82.240.172/~satoh/index.html>



### **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**

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

Board Member of *SOLA*

Section Chief Editor (Atmospheric and hydrospheric sciences) of *Progress in Earth and Planetary Science*

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

### **Significant publications**

[1] Tomita, H. and Satoh, M. (2004) A new dynamical framework of nonhydrostatic global model using the icosahedral grid. *Fluid Dyn. Res.*, 34, 357-400.  
[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.

Full list of papers: <http://157.82.240.172/~satoh/papers-e.html>