

Kenji SATAKE

Current Affiliation

Professor, Earthquake Research Institute, The University of Tokyo

1-1-1 Yayoi, Bunkyo-ku, Tokyo, 113-0032 Japan

Phone: +81-3-5841-0219, Fax: +81-3-3814-5507, E-mail: satake@eri.u-tokyo.ac.jp

Educational and Research Records

Education: B. S. (1982), M.S. (1984), Hokkaido Univ.; Ph.D. (1987), University of Tokyo

Positions held: Research Assistant, Tokyo Inst. Technology, 1985-1990; Visiting Research Associate, California Inst. Technology, 1988-1990; Assistant Professor, Univ. of Michigan, 1990-1995; Senior Researcher, Geological Survey of Japan/Active Fault Research Center, GSJ/AIST, 1995-2007, Professor, Univ. Tokyo, 2008-

Academic Societies

Members of American Geophysical Union (elected as a fellow in 2010), Seismological Society of Japan (Executive Member 2008-2010), Seismological Society of America, and Asia and Oceania Geosciences Society (Secretary General: 2004-2006, President of Solid Earth Section: 2006-2008).

Current Services

IUGG Tsunami Commission, Chair; IASPEI Executive Committee Member; AOGS Honorary Auditor and Chair of Publication Committee

Books Edited

Tsunamis in the world ocean: past, present and future (volume 1, 2). Edited by K. Satake, A. Rabinovich, U. Kanoglu and S. Tinti, PAGEOPH (Pure and Applied Geophysics) Topical issue, vol. 168, No. 6/7 and No.12 (in press).

Advances in Geosciences. Volume 20: Solid Earth, volume-editor-in-chief: K. Satake, 2010.

Advances in Geosciences. Volume 13: Solid Earth, volume-editor-in-chief: K. Satake, 2009.

Tsunamis science four years after the 2004 Indian Ocean tsunami. Part I and II Edited by P.R. Cummins, L.S.L. Kong, and K. Satake. PAGEOPH Topical issue, vol. 165, Nos. 11/12, 2008. And vol. 166, Nos. 1/2, 2009,

Tsunami and its hazards in the Indian and Pacific Oceans, edited by K. Satake, E.A. Okal and J.C. Borrero, PAGEOPH Topical issue, vol. 164, No.2/3, 2007.

Tsunamis: Case studies and recent developments, edited by K. Satake, Advances in Natural and Technological Hazards Research, volume 23, Springer, 2005.

Tsunamis: 1992-1994; Their generation, dynamics and hazard. Edited by K. Satake and F. Imamura. PAGEOPH Topical issue, vol. 144, No 3/4, 1995.

Recent Publications (Selected)

Satake, K., Double trouble at Tonga (News and Views), *Nature*, 466, 931-932, 2010.

Saito, T., K. Satake, and T. Furumura, Tsunami waveform inversion including dispersive waves: the 2004 off Kii Peninsula earthquake, Japan, *J. Geophys. Res.*, 115, *B06303*, doi: 10.1029/2009JB006884, 2010.

Satake, K., F. Nanayama, and S. Yamaki, Fault models of unusual tsunami in the 17th century along the Kuril trench, *Planets and Space*, 60 (9), 925-935, 2008.

Satake, K. Tsunamis, in *Treatise on Geophysics*, vol. 4, Elsevier, 483-511, 2007.

Satake, K. and B. F. Atwater, Long-term perspectives on giant earthquakes and tsunamis at subduction zones, *Annu. Rev. Earth Planet Sci.*, 35, 349-274, 2007.

Narrative

Prof. Satake received B.S. and M. S. in Geophysics from Hokkaido University, and Ph. D., also in Geophysics, from University of Tokyo in 1987. He then spent two years as a Postdoc at Seismological Laboratory of California Institute of Technology, and five years as an Assistant Professor at Department of Geological Sciences, University of Michigan. In 1995, after the devastating Kobe earthquake in Japan, he returned home to perform geological studies of earthquakes and tsunamis at the Geological Survey of Japan. He had been studying earthquakes and tsunami using both geophysical and geological methodologies. After the 2004 Indian Ocean tsunami, he has performed many collaborative projects in Asian countries, such as Thailand, India, Indonesia, or Myanmar. In January 2008, he moved to Earthquake Research Institute, the University of Tokyo, currently a leader of SATREPS (Science and Technology Research Partnership for Sustainable Development) project “Multi-disciplinary Hazard Reduction from Earthquakes and Volcanoes in Indonesia.” He is also chair of tsunami commission of IUGG (International Union of Geodesy and Geophysics).

He was one of the founding members of AOGS, and experienced Interim Council Member (-2004), First Secretary General (2004-2006), and President of Solid Earth section (2006-2008). He had been Volume-editor-in-chief of Solid Earth volume of Advances in Geosciences (volume 13 and 20), and currently Editor-in-Chief of the volume series.

Last year (in 2010), he was awarded AGU fellow “for interdisciplinary and international contributions to earthquake and tsunami sciences”.