

Jun Asanuma

Curriculum Vitae

Contact Center for Research in Isotope and Environmental Dynamics
University of Tsukuba
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Personal Details

Birth 8 October, 1965, Tokyo, Japan
Gender Male
Nationality Japan
Marital Status Married with two children

Research Interests

Water resources issues in arid/semi-arid regions
Dryland hydrometeorology
Turbulent exchange of water/heat/CO₂ between the landsurface and the atmosphere,
and its modelling
Atmospheric boundary layer and the turbulence transport processes
Climate change and its impact on hydrological cycle

Education *Ph.D., Hydrology, 1996*
with minor in meteorology and agricultural engineering
Graduate School, Cornell University, NY, USA.
M. Eng., Hydrology & Water Resources, 1991
Graduate School of Engineering, University of Tokyo, Japan
B. Eng. Hydrology and Hydraulics, 1989
Dept. of Civil Engineering, University of Tokyo, Japan.

Professional Employment

Oct. 2010 – present Professor, School of Life and Environment (Center for Research in Isotopes and Environmental Dynamics), University of Tsukuba, Tsukuba, Japan
Apr. 2005 – Sep. 2010 Assoc. Professor, School of Life and Environment (Terrestrial Environment Research Center), University of Tsukuba, Tsukuba, Japan
Apr. 2004 – Jan. 2005 Visiting researcher at Nicholas School of Environment, Duke University, NC, USA
Apr. 2000 – Mar. 2005 Assist. Professor, Institute of Geoscience (Terrestrial Environment Research Center), University of Tsukuba, Tsukuba, Japan

Oct. 1998 – Mar. 2000 Assist. Professor, Civil and Environmental Engineering, Nagaoka University of Technology, Nagaoka, Japan

Jun. 1997 – Sep. 1998 Research Associate, Civil and Environmental Engineering, Nagaoka University of Technology, Nagaoka, Japan.

Jan. 1996 – Jun. 1997 Engineering Researcher, responsible in hydrologic modeling, Central Research Center, Nippon Koei Co. ,Ltd., Tsukuba, Japan

Aug. 1992 – Dec. 1995 Research Assistant in Civil and Environmental Eng., Graduate School, Cornell University, NY.

Apr. 1991 – Jun. 1992 Engineering Researcher, responsible in hydrology, Research Development Division, Nippon Koei Co., Ltd., Tokyo, Japan

Teaching Courses

At University of Tsukuba: Basin Hydrology, Experiments in Hydrology, Hydrological Science, Experiments in Geoscience 1, Experiments in Geoscience 3, Intro. Environmental Modeling, Field works in Hydrology.

At Nagaoka University of Technology: Environmental System Eng. 1, 2, Atmosphere–Hydrosphere Dynamics Analysis, Experiments in Surveying 2, Environmental Mechanics 2, Multidimensional Information Processing.

Membership in Academic Societies

American Geophysical Union, American Meteorological Society, Japan Society of Hydrology and Water Resources, Japan Society of Civil Engineering (Hydrology Committee), Meteorological Society of Japan, Japan Association of Hydrological Science, The Society of Agricultural Meteorology of Japan

Honors & Awards

Paper promotion award, Japan Society of Hydrology and Water Resources, 1998

Professional Services

2014–2018	Board members, Japan Society for Hydrology and Water Resources
2008	Review of “Bates, B.C., Z.W. Kundzewicz, S. Wu and J.P. Palutikof, Eds., 2008: Climate Change and Water. Technical Paper of IPCC, Geneva, 210 pp”
2006—present	member of Steering Committee for NPO Mongol Eco Forum
2006—present	member of MAHASRI (Monsoon Asian Hydro-Atmosphere Scientific Research and Prediction Initiative) National Committee, 2006-2017
2002—2006	General Secretary, GAME (GEWEX Asian Monsoon Experiment) National Committee
2001—2002	Secretary, GAME (GEWEX Asian Monsoon Experiment) National Committee
—present	Editorial Board of <i>Hydrological Research Letter</i> , <i>J. of Hydrosience and Hydraulic Engineering</i> , <i>J. of Agricultural Meteorology</i>
—present	Reviewer of <i>Boundary-layer Meteorology</i> , <i>Water Resources Research</i> , <i>J. of Hydrometeorology</i> , <i>J. of Geophysical Research</i> , <i>Hydrological Processes</i> , <i>International J. of Climatology</i> , <i>Agricultural & Forest Meteorology</i> , <i>J. of Arid Environment</i> , <i>J. Meteorological Society Japan</i> , <i>J. of Atmospheric Science</i> , and else

Research Project Experiences

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| 2001—2006 | Observations and analysis of land and atmosphere interaction over grassland and forested region in Mongolia (RAISE; Rangeland Atmosphere-Hydrosphere-Biosphere Interaction Study Experiment in Northeastern Asia), supported by Japan Science Technology Agency. |
| 2002—2004 | Micrometeorological measurements and modeling of heat/water/CO ₂ exchange over terrestrial plant ecosystems, supported by Ministry of Education, Japan. |
| 2000—2002 | Observations and analyses of the spatial and temporal distribution of the surface heat/water vapor/carbon dioxide flux over Siberian taiga forest using a research aircraft (within the framework of GAME-Siberia), supported by Frontier Research System for Global Change, Japan |
| 1997—2002 | Observations and analyses of the surface heat and water vapor exchange over Tibetan plateau (within the framework of GAME-Tibet), supported by Ministry of Education, Japan |

Publications

Peer-reviewed Scientific Articles

Miscellaneous

Kundzewicz, Z.W., L.J. Mata, N.W. Arnell, P. Doll, P. Kabat, B. Jimenez, K.A. Miller, T. Oki, Z. Sen and I.A. Shiklomanov, 2007: Freshwater resources and their management. Climate Change 2007: Impacts, Adaptation and Vulnerability. Contribution of WG II to AR4 of IPCC, M.L. Parry, O.F. Canziani, J.P. Palutikof, P.J. van der Linden and C.E. Hanson, Eds., Cambridge University Press, Cambridge, UK, 173-210, as a contributing author

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