

Curriculum Vitae

P.C.D. (“Chris”) Milly

Research Hydrologist, U.S. Geological Survey

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RESEARCH FOCUS

Global hydrology. The continental land mass as part of the climate system. Modeling of water and energy balances of the continents. Unsaturated-zone soil-water transport. Climate change.

EDUCATION

Princeton University, B.S.E., Civil Engineering, 1978.

MIT, S.M., Hydrology, 1980.

MIT, Ph.D., Hydrology, 1982.

PROFESSIONAL EXPERIENCE

Princeton University, Assistant Professor, Civil Engineering, 1982-1988.

Princeton University, Visiting Lecturer with Rank of Associate Professor, 1988-89.

U.S. Geological Survey, Research Hydrologist, 1988-present.

SCIENTIFIC SOCIETY MEMBERSHIP AND SERVICE

American Association for the Advancement of Science.

American Geophysical Union. *Water Resources Research*, Associate Editor, 1982-87. *Soviet Hydrology*, Editorial Board, 1983-87. Translations Board, 1983-88. *Water Resources Research* Editor Search Committee, Chair, 1988. Hydrology Section: Unsaturated Zone Comm., 1988-92; Large-Scale Exper. Comm., 1984-91; Nominating Comm., 1992-94, 1998-2000; Horton Award Comm., 1995-98, Chair 1996-98; Executive Committee, 1996-98; Pubs. in Hydrol. Comm., 1994-96; organizer of several special sessions at annual meetings.

American Meteorological Society. Hydrology Committee, 1989-93.

International Association of Hydrological Sciences. International Committee for Atmosphere-Soil-Vegetation Relations, 1988-96. U. S. National Committee, 1992-93.

PEER-REVIEWED PUBLICATIONS

Research published in *Advances in Water Resources*, *Climatic Change*, *Geophysical Research Letters*, *Hydrological Sciences Journal*, *Journal of Climate*, *Journal of Contaminant Hydrology*, *Journal of the Geodetic Society of Japan*, *Journal of Hydrology*, *Journal of Hydrometeorology*, *Nature*, *Numerical Methods for Partial Differential Equations*, *Proceedings of the National Academy of Sciences*, *Quaternary*

Research, Science, Surveys in Geophysics, Transport in Porous Media, Water Resources Research.

INVITED SCIENTIFIC LECTURES

At Universities. Univ. California, Davis, 1990. Univ. Arizona, 1991. Utah State Univ., 1991. Princeton Univ., 1993, 1996, 1997, 1998. MIT, 1993. Johns Hopkins Univ., 1998, 2003. Duke Univ., 1998, 2007. Univ. Delaware, 1999. Columbia Univ., 2003.

At National Scientific Meetings. American Geophysical Union, 1985, 1988, 1990, 1991 (2), 1994, 2000, 2005. American Meteorological Society, 2003, 2005, 2007.

At International Scientific Meetings. NATO Adv. Res. Workshops, 1987, Lisbon, 1988 Arles. Int. Assoc. Hydrol. Sci., 1991, Vienna, 1993, Yokohama. Inter. U. Geod. Geophys., 1995, Boulder. IGBP/WCRP, 1999, Paris. CNES (French Space Agency), 2003, Toulouse. WCRP, 2006, Paris. Riverfestival, 2006, Brisbane. Moroccan Acad. Sci. Tech., 2007, Rabat.

COMMUNICATION OF SCIENCE TO GOVERNMENT AND ITS AGENCIES

U.S. National Research Council, Global Water and Energy Cycle Experiment Panel, 1993-1998.

Intergovernmental Panel on Climate Change (Contributing Author and Reviewer), 1996-2007.

U.S. Department of the Interior and Bureau of Reclamation, Presentation, 2006.

U.S. Congress, USGS Congressional Briefing Series, 2007.

U.S. Senate, Committee on Energy and Natural Resources, Subcommittee on Water and Power, Testimony, 2007.

U.S. Army Corps of Engineers, Headquarters, Presentation, 2007.

State of New Jersey, Flooding Conference, Office of U.S. Senator Robert Menendez, 2007.

COMMUNICATION OF SCIENCE TO THE PUBLIC THROUGH THE MEDIA

Explained scientific findings to reporters for Argus Leader (Sioux Falls, SD), Arizona Daily Star, BBC World Service, Billings (MT) Gazette, Bloomberg News, Capital Times (Madison, WI), Chattanooga Times Free Press, Discovery Channel, Doylestown (PA) Intelligencer, Energy and Environment Daily, Forestry Source, Harpers, KCBS Radio, KQED Radio, LiveScience.com, Los Angeles Times, Le Monde, National Geographic News, National Public Radio, Nature, Neue Zürcher (Zurich) Zeitung, New Scientist, New York Times, Oregonian, Physics Today, Pour la Science, Radio Ottawa, Rocky Mountain News (Denver, CO), San Diego Union-Tribune, San Francisco Chronicle, Der Tagesspiegel, (Toronto) Globe and Mail, TV Asahi (Japan), TV Globo (Brazil), United Press International, United Nations Integrated Regional Information Networks, Water Engineering Australia.

HONORS

American Geophysical Union, Fellow, 2009.

U.S. Department of the Interior, Meritorious Service Award, 2002.

American Geophysical Union, Citation for Excellence in Refereeing, 1991.