

Curriculum Vitae - James A. Smith

Education:

Ph.D. (1981), Environmental Engineering, The Johns Hopkins University
MSE (1979), Mathematical Sciences, The Johns Hopkins University;
B.S. (1974), Mathematics, University of Georgia.

Experience:

- 1) Chair, Department of Civil and Environmental Engineering, Princeton University (2011 - present),
- 2) William and Edna MacAleer Professor of Engineering and Applied Science (2014 – present)
- 3) Professor, Department of Civil and Environmental Engineering, Princeton University (July 1998 - present),
- 4) Associate Professor, Princeton University (1995 - 1998)
- 5) Assistant Professor, Princeton University (1990 - 1994),
- 6) Research Scientist in Hydrometeorology, Hydrologic Research Laboratory, NOAA, 1981 - 1985 and 1987 - 1989.
- 7) Research Scientist, Center for Mathematics and Computer Science, Amsterdam, 1985 - 1986.

Membership in Scholarly Societies:

American Geophysical Union (AGU),
American Meteorological Society (AMS).

Honors:

- 1) Fellow, American Meteorological Society (AMS)
- 2) Fellow, American Geophysical Union (AGU)
- 3) 2011 Robert E. Horton Lecturer (AMS)
- 4) Fulbright Research Fellow, Center for Mathematics and Computer Science, Amsterdam, The Netherlands.
- 5) DAAD Graduate Fellow, Institute for Applied Mathematics, University of Bonn, Federal Republic of Germany.
- 6) Phi Beta Kappa Honor Society
- 7) Engineering Council Teaching Award: CIV306 (Environmental Fluid Dynamics).

Journal Articles:

Wang, W., J. A. Smith, P. Ramamurthy, M. L. Baeck, E. Bou-Zeid and T. M. Scanlon, On the correlation of water vapor and CO₂: application to flux partitioning of evaporation, *Water Resources Research*, in press, 2017.

Liu, M., G. Vecchi, J. A. Smith and H. Murakami, The present-day simulation and twenty-first-century projection of the climatology of extratropical transition in the North Atlantic, *J. of Climate*, in review, 2017.

Yang, L., J. A. Smith and M. Liu, Typhoon Nina and the August 1975 Flood in Central China, *J. of Hydrometeorology*, in press, 2017.

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Smith, B. K. and J. A. Smith, The flashiest watersheds in the contiguous United States, *J. of Hydrometeorology*, 16(6), 2365 – 2381, 2015.

Bates, N. S., J. A. Smith and G. Villarini, Flood response for the watersheds of the Fernow Experimental Forest in the central Appalachians, *Water Resources Research*, 51(6), 4431 – 4453, DOI: 10.1002/2014WR015871, 2015.

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