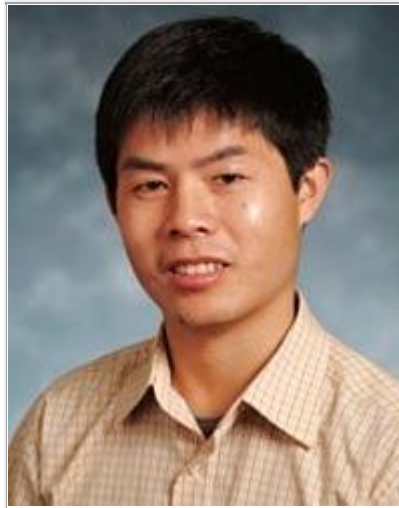


Dr. Fuqing Zhang



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Fuqing Zhang, Ph.D.

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[Fuqing Zhang](#), an [AMS Member](#), is a professor in the Department of Meteorology at the Pennsylvania State University, with a joint appointment in the Department of Statistics. His primary research focuses on the dynamics and predictability of mesoscale weather and regional-scale climate. He earned his B.S. and M.S. in meteorology from Nanjing University, China in 1991 and 1994, respectively, and his Ph.D. in atmospheric science in 2000 from North Carolina State University. He spent seven years as an assistant and then associate professor at Texas A & M University before going to Penn State as a full professor with tenure in 2008. In 2000, he spent a year and a half as a postdoctoral fellow at the National Center for Atmospheric Research. In 2004, he received a Young Investigator Award from the Office of Naval Research and in 2007 he received the Outstanding Publication Award from NCAR. In 2009, was the sole recipient of the American Meteorological Society's 2009 Clarence Leroy Meisinger Award for "for outstanding contributions to mesoscale dynamics, predictability and ensemble data assimilation." He has authored/co-authored more than 70 peer reviewed journal publications.

Education:

1. PhD -- North Carolina State University (2000)
2. MS/BS -- Nanjing University (1994/1991)

Research Interests

- Dynamic and mesoscale meteorology, tropical cyclones and hurricanes
- Gravity wave, sea breeze, mountain-plains circulation, diurnal cycle
- Numerical weather prediction, data assimilation, atmospheric predictability
- Regional scale climate, air pollution meteorology
- Spatial covariance, Kalman filtering, parameter estimation

Experience

- 2008-present Professor, Department of Meteorology, The Pennsylvania State University
- 2009-present Professor, Department of Statistics, The Pennsylvania State University
- 2006-2008 Associate Professor, Department of Atmospheric Sciences, Texas A&M University
- 2001-2006 Assistant Professor, Department of Atmospheric Sciences, Texas A&M University
- 2000-2001 Postdoctoral Fellow, National Center for Atmospheric Research

Selected Awards

- 2012 Paul F. Robertson Award for the EMS Breakthrough of the Year, Penn State
- 2011 E. Willard & Ruby S. Miller Faculty Fellowship, College of Earth and Mineral Sciences, Penn State
- 2009 [The Clarence Leroy Meisinger Award](#), American Meteorological Society ([link to press release](#))
- 2007 Outstanding Publication Award, National Center for Atmospheric Research (NCAR)
- 2006 Distinguished Achievement Award for Faculty Research, College of Geosciences, Texas A&M
- 2004 Young Investigator Award, Office of Navy Research, Department of Navy

Editorship

- 2008- Editor, *Monthly Weather Review*
- 2010- Editor, *Encyclopedia of Atmospheric Sciences*
- 2011- Editorial board member, *Acta Meteorologica Sinica*
- 2011- Editorial board member, *Scientia Meteorologica Sinica*
- 2012- Associate editor, *Atmospheric Science Letters*
- 2008 Associate editor, *Weather and Forecasting*
- 2011 Co-chief editor, *Atmospheric Science Letters*
- 2009-11 Guest editor, *Computing in Science & Engineering*