
Thomas L. Delworth
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EMPLOYMENT

Geophysical Fluid Dynamics Laboratory/National Oceanic and Atmospheric Administration (NOAA) Princeton, NJ

2017-present **Senior Scientist and Division Leader** for Seasonal to Decadal Variability and Predictability
2012-present **GFDL Science Board**, advisory body on long-term strategic vision
2012-2017 **Supervisory Physical Scientist**, GFDL Science Board & Supervisor for two GFDL Research Groups on Predictability and Detection
2001-2012 **Supervisory Physical Scientist and Group Leader**, Climate Dynamics Group; member of GFDL Research Council, advising Director on Lab priorities and vision
1984-2001 **Research Meteorologist**, Climate Dynamics Group

EDUCATION

1994 **Ph.D. Atmospheric Science, University of Wisconsin Madison, WI**

RESEARCH INTERESTS

- Role of the ocean in the climate system, with emphasis on climate variability, change and predictability on seasonal to decadal to centennial time scales.
- Interactions between forced climate change and internal variability
- The Atlantic Meridional Overturning Circulation and climate
- Climate extremes, including drought and storms
- Use of hierarchies of models to study climate variability and change

TEACHING

2008-2021 Princeton University, Atmospheric and Oceanic Sciences
AOS 577 "*Climate of the Earth: Present, Past and Future*"
GEO 427 "*Fundamentals of the Earth's Climate System*"

WEB OF SCIENCE

h-index: 75 (<http://www.researcherid.com/rid/C-5191-2014>)

HONORS & AWARDS

2021 **AGU Bert Bolin Global Environmental Change Award and Lecture**
2018 **Fellow of the American Geophysical Union**
2014-present **Thomson Reuters Highly Cited Researcher (highlycited.com)**
2015 **Gold Medal, Department of Commerce**
2014 **Fellow of the American Meteorological Society**

2008 NOAA Administrator's Award
2005 Silver Medal, Department of Commerce
1996, 2003 Outstanding Scientific Paper Award, NOAA

MENTORING

Postdoctoral advisor for:

Dr. Myriam Khodri, Dr. Jian Lu, Dr. Rym Msadek, Dr. Salil Mahajan, Dr. Sarah Kapnick, Dr. Liping Zhang, Dr. Honghai Zhang, Dr. Yohan Ruprich-Robert, Dr. Feiyu Lu, Dr. Youngji Joh, Dr. Bor-Ting Jong, Dr. Abigail Lute, Dr. Yujia You, Dr. Jiale Lou

Graduate student committee member for:

Ying Li, Andrew Ballinger, He Wang, Jeffrey Strong, Jane Baldwin, Geeta Persad, Justin Ng, Ben Johnson

ADDITIONAL ACTIVITIES

2019 Review panel for US/UK RAPID and OSNAP Programs
2018-present US CLIVAR Large Ensemble Working Group
2017-present Science Advisory Board, IBS Center for Climate Physics, Pusan, Korea
2016-present Chair, Science Advisory Board, UK ACSIS Program
2014-present Science Advisory Board, DOE Energy Exascale Earth System Model
2012 Member, International Review Team for UK RAPID Program
2011-2012 NRC committee "A National Strategy for Advancing Climate Modeling"
2009-2011 U.S. CLIVAR Working Group on Decadal Prediction
2007-2009 U.S. AMOC Science Planning Team
2007 Program Manager, NOAA Climate Predictions and Projections
2006-2009 U.S. CLIVAR Working Group on Drought
2005-2008 U.S. CLIVAR Prediction, Predictability, and Application Interface Panel
2004-2005 U.S. CLIVAR Scientific Steering Committee
2003-2004 Co-Leader, GFDL Coupled Model Development Team
2001-2004 NSF Arctic System Science Program - OAIL, Scientific Steering Committee
2000-2006 Joint Scientific Council/CLIVAR Working Group on Coupled Modeling
2000-2003 SEARCH Science Steering Committee (Interagency Arctic Program)
1999-2003 International CLIVAR Atlantic Implementation Panel
1995-2005 NSF Climate System Laboratory Computing Allocation Panel
1995, 2001, 2007 Intergovernmental Panel on Climate Change, Contributing Author
1995-1997 NOAA's Atlantic Climate Change Program, Scientific Working Group
1995-1996 Atlantic Climate and Circulation Experiment, Scientific Planning Committee

AFFILIATIONS

American Meteorological Society
American Geophysical Union

PUBLICATIONS

Complete list (193 in total):

<http://www.gfdl.noaa.gov/bibliography/results.php?author=1019>