

CURRICULUM VITAE

JAMES W. HURRELL

Educational Information

- B.S. Mathematics and Earth/Space Science, 1980-1984
University of Indianapolis, May 1984
- M.S. Atmospheric Science, 1984-1986 Purdue University, August 1986 Thesis: *Eddy energy budgets in the tropical Southern Hemisphere during FGGE, 10-27 January 1979*
- Ph.D. Atmospheric Science, 1986-1990
Purdue University, August 1990
Thesis: *Maintenance of short-term subtropical wind maxima in the Southern Hemisphere: Observational and modeling study*

Work History

National Center for Atmospheric Research:

Senior Scientist (7/03-present)

Director: NCAR Earth System Laboratory; Associate Director, NCAR (9/11-present)

Chief Scientist, Community Earth System Model (6/09-8/11)

Director: Climate and Global Dynamics Division (11/04-11/07)

Interim Director: Climate and Global Dynamics Division (6/04-11/04)

Deputy Director: Climate and Global Dynamics Division (12/03-6/04)

Deputy Section Head: Climate Analysis Section (1/02-11/04)

Scientist III (7/98-7/03)

Scientist II (5/94-7/98)

Scientist I (5/91-5/94)

Visiting Scientist (9/90-5/91)

Hadley Centre for Climate Prediction and Research:

Visiting Scientist (1/99-12/99)

Purdue University:

Teaching Assistant (1986-1990)

Research Assistant (1984-1990)

WRTV Channel 6 Television, Indianapolis, IN: Assistant Forecaster for Travel Weather Service (1988-1989)

National Weather Service, Indianapolis, IN: NOAA Weather Radio Broadcaster (1980-1984)

University of Indianapolis: Earth/Space Science Departmental Assistant (1981-1984)

Community Service

Editorships

- Volume editor: *The North Atlantic Oscillation: Climatic Significance and Environmental Impact*. American Geophysical Union, *Geophysical Monograph*, 2003, **134**, 279 pp.
- Co-editor: *Marine Ecosystems and Climate Variation: The North Atlantic*. Oxford University Press, 2004, 227 pp.
- Associate Editor-in-Chief, 2005-2008: *Climate Research: Interactions of Climate with Organisms, Ecosystems and Human Societies*. **Inter-Research**, Oldendorf/Luhe, Germany.
- Review Editor, 2010-2013: *Observations: Atmosphere and Surface*, Chapter 2 of IPCC Fifth Assessment Report Climate Change 2013: The Physical Science Basis, in preparation.
- Co-editor: *Climate Science for Serving Society: Research, Modelling and Prediction Priorities*. Springer Press, 2012, in preparation.

External Committees

- Member, Great Plains Regional Center of the National Institute for Global Environmental Change (GPCNIGEC) Proposal Review Board (1994-2004).
- Member, National Centers for Environmental Prediction/National Center for Atmospheric Research (NCEP/NCAR) Climate Data Assimilation System (CDAS) Reanalysis Advisory Panel (1994-1998).
- Member, American Meteorological Society (AMS) Committee on Meteorology and Oceanography of the Southern Hemisphere (1995-1998).
- Member, National Oceanic and Atmospheric Administration (NOAA) Atlantic Climate Change Scientific Advisory Committee (1997-1998).
- Member, National Research Council (NRC) Panel on the Global Energy and Water Cycle Experiment (GEWEX) (1997-2000).
- Member, Atlantic Climate Variability Experiment (ACVE) Scientific Steering Committee (1998-1999).
- Co-chair, U.S. Climate Variability and Predictability (CLIVAR) Scientific Steering Committee (2003-2005; member 1998-2005).
- Co-chair, U.S. CLIVAR Atlantic Implementation Panel (1999-2003).
- Member, International CLIVAR Atlantic Implementation Panel (1999-2006).
- Member, NRC Committee on Climate Data Records from Operational Satellites: Development of a NOAA Satellite Data Utilization Plan (2003-2005).
- Member, International CLIVAR/PAGES Intersection Working Group (2004-2008).
- Lead Author, U.S. CCSP Synthesis and Assessment Team: Product 1.1. Temperature Trends in the Lower Atmosphere: Steps for Understanding and Reconciling Differences (2004-2006).
- Member, International GLOBEC Scientific Steering Committee (2005-2010).
- Member, NRC Committee on U.S. Climate Change Science Program (2006-2009).
- Co-chair, International Climate Variability and Predictability (CLIVAR) Scientific Steering Group (2007-present).
- Councilor, American Meteorological Society (2008-2010).
- Member, Willis Reinsurance/UKMO/NCAS/NCAR Climate Liaison Committee (2009-present).
- Member, NOAA GFDL Review Board (2009).
- Member, Nordic Center of Excellence: NorMER – Nordic Centre for the Research on Marine Ecosystems and Resources under Climate Change (2010-present).

- Chair, Center for Ocean-Land-Atmosphere (COLA) Studies Scientific Advisory Board (2010-present).
- Member, NRC Committee on a National Strategy for Advancing Climate Modeling (2011-2013).
- Member, Advisory Board of the Center for Climate Sciences, NASA JPL (2012-2014).

Honors, Awards, Scholarships, Fellowships

- Fridtjof Nansen Memorial Lecture and Nansen Medal, Norwegian Academy of Science and Letters (2011)
- Fellow, American Geophysical Union (2010)
- Fellow, American Meteorological Society (2006)
- Purdue University, College of Science Distinguished Alumnus Award (2006)
- Who's Who in America (2005)
- Highly Cited Researchers, Thomson-ISI (2004)
- Purdue University, Outstanding Alumnus Award, Dept. Earth and Atmospheric Science (2004)
- Greenwood Community High School, Distinguished Alumni Award (2002)
- American Meteorological Society, Clarence Leroy Meisinger Award (2001)
- University of Indianapolis, Distinguished Alumnus Award, School of Science (2001)
- Fellow, Royal Meteorological Society (2000)
- NCAR, Outstanding Publication Award (1997)
- Purdue University (student) AMS Scholarship (1990) David Ross Summer Grant Fellowship (1987)

Honor Societies and Professional Memberships

- Phi Alpha Epsilon (1981-present)
- Sigma Zeta (1983-present)
- Alpha Chi (1984-present)
- Sigma Xi (1986-present)
- Phi Kappa Phi (1987-present)
- American Meteorological Society (1985-present)
- American Geophysical Union (1996-present)
- Royal Meteorological Society (2000-present)