

CORT J. WILLMOTT – Professional Summary

May 2009

ADDRESS

Department of Geography, Pearson Hall
University of Delaware
Newark, Delaware 19716
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RESEARCH INTERESTS

Climatology: Global climate variability and change; hydroclimatology

Quantitative Methods: Descriptive and computing intensive statistics; numerical cartography

EDUCATION

1972-1977 Ph.D., Geography, University of California, Los Angeles
1969-1972 M.A., Geography, California State University, Hayward
1965-1969 B.A., Geography, California State University, Hayward

PROFESSIONAL EXPERIENCE

1987-Present Professor, Department of Geography, University of Delaware (Also held a joint appointment in the College of Marine Studies, until ~2000)
1993-2000 Founding Director, Environmental Science B.S. Program, College of Arts and Science, University of Delaware
1992-2000 Director, University Center for Climatic Research, University of Delaware
1992-2000 Associate Director, Delaware's (NASA-Supported) Space Grant Program, University of Delaware
1989-2000 Chair, Department of Geography, University of Delaware
Fall 1995-96 Visiting Scholar, National Center for Geographic Information and Analysis (NCGIA), University of California, Santa Barbara
1982-1987 Associate Professor, Department of Geography, University of Delaware (Also held a joint appointment in the College of Marine Studies)
Mar-Apr 1985 Visiting Scientist, Laboratory for Atmospheres, NASA's Goddard Space Flight Center, Greenbelt
August 1984 Visiting Scholar, Department of Meteorology, University of Maryland, College Park
Spring 1983 Visiting Scholar, Department of Geography, University of Victoria, Victoria, B.C.
1977-1982 Assistant Professor, Department of Geography, University of Delaware (Also held a joint appointment in the College of Marine Studies)

PROFESSIONAL RECOGNITION

- 2009 Excellence in Service Award, College of Arts and Sciences, University of Delaware
2008 Yi-Fu Tuan Lecturer in Geography, University of Wisconsin, Madison
2006 Distinguished Geographer Award, the Pennsylvania Geographical Society (PGS)
2004 Lifetime Achievement Award, Association of American Geographers (AAG) Climate Specialty Group
2003 Edwin Way Teale Lecture on Nature and the Environment, University of Connecticut
2001 E. Willard and Ruby S. Miller Distinguished Lecturer in Geography, Pennsylvania State University
2000 Distinguished Scholarship Honors of the AAG
2000 Edward J. Taaffe Distinguished Lecture, the Ohio State University, Columbus
1998 CIRES Interdisciplinary Distinguished Lecture, University of Colorado, Boulder
1995 Gore-Hunger Lecture in Environmental Science, Univ. of Tennessee, Knoxville
1992 Listed in *American Men and Women of Science* (18th edition)
1987 Listed in *Who's Who of Emerging Leaders in America* (1st Edition)
1986 Listed in *Who's Who in the East* (21st Edition)
1975 Award for the Best Student Paper presented at the Annual Meeting of the Association of Pacific Coast Geographers
1974 Honorable Mention for a paper presented at the Annual Meeting of the Southern California Academy of Sciences

PROFESSIONAL SERVICE

- 2007-Present Member of the Editorial Board of *Physical Geography*
2005-2008 Member (elected), AAG Honors Committee
2002-2007 Member, AAG Membership Committee
2002 & 2003 Chair, *Annals* AAG Editor Search Committee
2002 Member, AAG Executive Director Search and Selection Committee
2001-2004 Chair of the AAG Publications Committee, (Member, 1998-2004; Ex Officio 2004-2006)
2001-2004 National Councillor (elected), AAG
2001 Member of the Editorial Board of *Earth Interactions*
1996-1999 Member of the Editorial Board of the *Annals of the AAG*
1996 Member of the Committee of Visitors (COV) to review the Geography and Regional Science Program at the National Science Foundation (NSF)
1996 External Reviewer of (Consultant to) the Proposed Ph.D. Program in Environmental Management and Science, Montclair State University, Upper Montclair, New Jersey
1995-2003 Member of the Editorial or Advisory Board of *Geographical Analysis*
1994-1996 Member of the Steering Committee, National Center for Geographic Information and Analysis (NCGIA) Initiative (I15) on "Multiple Roles for GIS in U.S. Global Change Research"
1994-1996 Chair, AAG Committee on Electronic Communications
1993-1997 Member of the Rediscovering Geography Committee, Board on Earth Sciences and Resources, National Research Council (NRC), National Academy of Sciences (NAS)
1993-1996 Member of the Board of Directors, NCGIA

- 1993-1994 Member of the Scholar-Adviser Committee, Geography Education Standards Program, National Council for Geographic Education
- 1993 Member of the Expert Panel on Climatology and Consultant, Center for Nuclear Waste Regulatory Analyses (CNWRA), Nuclear Regulatory Commission (NRC), Southwest Research Institute, San Antonio, Texas
- 1992 Member, Special National Science Foundation (NSF) Panel to Review the NCGIA
- 1992 Member of the Program Committee for the 27th Congress of the International Geographical Union held in Washington, DC
- 1991-1994 Regional Councillor (elected) for the Middle States Division of the Association of American Geographers (AAG)
- 1991-1993 Associate Editor (for physical geography) of the *Annals of the AAG*
- 1990 Member (elected) of the AAG Honors Committee.
- 1989 Chair of the Program Committee and Ex-officio Member of the Local Arrangements Committee. Annual Meeting of the AAG held in Baltimore, Maryland
- 1988-1990 Member of the Advisory Panel for the Geography and Regional Science Program at the NSF
- 1986-1988 Chair (elected), AAG Climate Specialty Group
- 1984-1985 Executive Committee (elected), Climate Specialty Group of the AAG
- 1984 Associate Editor. *Proceedings of the Fifteenth Annual Pittsburgh Conference on Modeling and Simulation*
- 1979-present Member of the Editorial Advisory Board, *Publications in Climatology*

Manuscript Reviewer for the *Annals of the AAG*; *Bulletin of the American Meteorological Society*; *Cartography and Geographic Information Systems*; *Climatic Change*; *Climatological Bulletin*; *Geographical Analysis*; *GeoJournal*; *Geophysical Research Letters*; *Global and Planetary Change*; *Global Biogeochemical Cycles*; *International Journal of Climatology*; *International Journal of Geographic Information Science*; *Journal of Applied Meteorology*; *Journal of the Air and Waste Management Association*; *Journal of Climate*; *Journal of Geography*; *Journal of Geophysical Research (Earth Surface)*; *Journal of Hydrometeorology*; *Journal of Mountain Science*; *Photogrammetric Engineering and Remote Sensing*; *Physical Geography*; *Professional Geographer*; *Publications in Climatology*; *Reviews of Geophysics*; *Solar Energy*; *Southeastern Geographer*; *Theoretical and Applied Climatology*; *Water Resources Bulletin*; *Water Resources Research*; Littlefield, Adams and Company; John Wiley and Sons; and Elsevier Science Publishers.

Proposal Reviewer for NASA, NGS, NSF, NOAA, the Delaware Water Resources Council, and the Virginia Sea Grant Program.

External Reviewer of Faculty (for Promotion to Associate or Full Professor) at the Cornell, George Mason, Indiana, Ohio State and York (Canada) Universities, and the Universities of Alberta, Arizona, British Columbia, California (Los Angeles and Santa Barbara), Colorado, Louisville, and Vermont; also reviewed a candidate for promotion to NCAR Scientist III.

PUBLICATIONS, GRANTS AND PRESENTATIONS

Publications include *Geography in America at the Dawn of the 21st Century* (coeditor), *Geography in America* (coeditor) and *Spatial Statistics and Models* (coeditor) as well as over 75 articles (mostly coauthored) or chapters in *Acta Astronautica*, *Agricultural and Forest Meteorology*, the *American Cartographer*, the *Annals of the Association of American Geographers*, *Atmospheric Environment*, the *Bulletin of the American Meteorological Society*, *Climate Research*, *Geophysical Research Letters*, *Global and Planetary Change*, the *International Journal of Climatology*, the *International Journal of Geographic Information Science*, the *Journal of Climate*, the *Journal of Geophysical Research*, the *Journal of Applied Meteorology*, *Modeling and Simulation*, *Physical Geography*, the *Professional Geographer*, *Publications in Climatology*, *Solar Energy*, *Theoretical and Applied Climatology*, *Weather and Climate*, *Water Resources Research* or in books and proceedings (see my list of “Publications”).

Federal grants, primarily from NASA and NSF, have supported most of my research and many of my graduate students since 1980. This grant support has been augmented by several contracts and consulting agreements.

Have presented or contributed to over 100 papers at professional conferences and given about 75 invited lectures at the Universities of British Columbia, California (Davis, Los Angeles and Santa Barbara), Cambridge, Colorado, Connecticut, Delaware, Maine, Maryland, Minnesota, Nebraska, New Hampshire, North Carolina, Pennsylvania, Tennessee, Victoria, Wisconsin... as well as the Arizona, California (Hayward), Ohio, Oregon, Pennsylvania and San Diego State Universities, Clark University, Rutgers University, Dartmouth College, the City University of New York (Hunter College), Virginia Polytechnic and State University, Central Michigan University, the Center for Ocean-Land-Atmosphere Studies (COLA), NRC’s Center for Nuclear Waste Regulatory Analyses, NASA’s Goddard Space Flight Center in Greenbelt, Maryland, Princeton’s Geophysical Fluid Dynamics Laboratory, Environmental Systems Research Institute (ESRI) Inc. in Redlands, California, and the Bohemian Club in San Francisco, California (see my list of “Presentations”).

AFFILIATIONS

Association of American Geographers (Climate and Spatial Analysis and Modeling SGs)
American Geophysical Union
American Meteorological Society (inactive)
Sigma Xi (inactive)

GRADUATE-STUDENT ADVISEES

Ph.D. Students

Elsa Nickl (Ph.D. 2009*)
Regina Ryan (Ph.D. 2009*)
Michelle L. Johnson (Ph.D. 2006)
Tony Seraphin (Ph.D. 2004)
Petra Zimmermann (Ph.D., 2003)
Annette Grilli (Ph.D., 2000)
Helen Power (Ph.D., 1999)
Amy Tetlow Smith (Ph.D., 1995)
Jie Song (Ph.D., 1995)
Scott M. Robeson (Ph.D., 1993)
Kenji Matsuura (Ph.D., 1992)
Katherine Klink (Ph.D., 1992)
Clinton M. Rowe (Ph.D., 1988)
David R. Legates (Ph.D., 1988)

Masters Students

Elsa Nickl (M.S. 2007)
Michelle L. Johnson (M.S. 2002)
Michael Rawlins (M.S., 2000)
Jeanne Crotty (M.S., 1997)
Michael J. Janis (M.S., 1995)
Tony Seraphin (M.S., 1995)
Krista A. Dunne (M.S., 1990)
Howard Macintire (M.S., 1988)
Katherine Klink (M.S., 1987)
Susan M. Turner (M.S., 1986)
David R. Legates (M.S., 1985)
Susan E. Marshall (M.S., 1984)
Anne E. Webster (M.S., 1983)
Clinton M. Rowe (M.S., 1982)
Mark Vernon (M.A., 1979)

“*” indicates the expected completion date