CORT J. WILLMOTT – Presentations

May 2010


Willmott, C.J., 2010. Some statistical issues in estimating and mapping climate and climatic change from weather-station records. Invited lecture presented to the geography group at California Polytechnic State University, San Luis Obispo (January).*

Willmott, C.J., 2009. Some statistical issues in estimating and mapping climate and climatic change from weather-station records. Invited Tod Spiker Colloquium lecture presented to the Department of Geography, University of California, Los Angeles (November).*

Willmott, C.J., 2009. Some statistical issues in estimating and mapping climate and climatic change from weather-station records. Invited lecture presented to the Department of Geography, San Diego State University, San Diego (October).*

Willmott, C.J., 2009. Some geostatistical issues in analyzing climate and climatic change using weather-station records. Public lecture for “Math Awareness Month”, Department of Mathematical Sciences, University of Delaware, Newark (April)*


Willmott, C.J., 2008. Some geostatistical issues in estimating and mapping climate and climatic change from weather-station records. Invited Yi-Fu Tuan lecture presented to the Department of Geography, University of Wisconsin, Madison (October).*


---

* Invited presentations are indicated by a “*”


Willmott, C.J., 2007. Geostatistical issues in estimating and mapping climate and climatic change from weather-station records. Lecture presented to the Graduate School of Geography and the Department of International Development, Community, and Environment, Clark University, Worcester, MA (September 28).*

Willmott, C.J., 2007. Geostatistical issues in estimating and mapping climate and climatic change from weather station records. Lecture presented to the Department of Land, Air and Water Resources, University of California, Davis, CA (April 10).*

Willmott, C.J., 2006. Estimating climate and climatic change from lousy weather station networks: two air-temperature examples. Banquet lecture given at the annual meeting of the Pennsylvania Geographical Society, Salisbury, MD (October 27).*


Willmott, C.J. and K. Matsuura, 2006. Comparison of three dimensioned measures of average model-performance error. Lecture given to the Geography Department, Dartmouth College, Hanover, NH (October 18).*


Willmott, C.J., 2005. On the use of dimensioned measures of average error in evaluating and comparing estimated climate fields. Lecture given to the Water Systems Group at the University of New Hampshire, Durham (June 28).*
Willmott, C.J., 2005. On the use of dimensioned measures of average error in evaluating interpolated climate fields. Lecture given to the Geography Department at the University of California, Santa Barbara (April 21).*


Willmott, C.J., 2004. On the use of dimensioned measures of average error in comparing climate fields. Lecture given at the Center for Ocean-Land-Atmosphere Studies, Calverton, Maryland (November 1).*

Willmott, C.J. and K. Matsuura, 2004. On the use of dimensioned measures of average error in the evaluation of model performance. Seminar-series lecture given to the Geography Department at the University of Delaware, Newark (September 17).*


Willmott, C.J., 2002. Estimating climate and climatic change from weather-station records. Lecture in Geography, Northern Illinois University, DeKalb (September).*

Willmott, C.J., 2002. Estimating climate and climatic change from weather-station records. Advances in Environmental Science Seminar, Environmental Research Division, Argonne National Laboratory, Chicago (September).*


Willmott, C.J., 2000. Temperature fields. Presentation made at the NSF-ARCSS Hydrology Workshop held at the National Center for Ecological Analysis and Synthesis, Santa Barbara, CA (September).*

Willmott, C.J., 2000. Estimating climate and climatic change from lousy weather-station networks. Edward J. Taaffe Colloquium Lecture, Department of Geography, the Ohio State University, Columbus, Ohio (May 11).*


Willmott C.J., 1999. Estimating climate and climatic change from imperfect weather station records. Lecture presented to the Department of Geography, Central Michigan University, Mt. Pleasant (January).*

Willmott, C.J., 1998. Spatially interpolating and mapping climate fields from lousy weather-station networks. CIRES Interdisciplinary Distinguished Lecture presented in the Department of Geography, University of Colorado, Boulder (November).*

Willmott, C.J., 1998. Musings on climate, climatic change and clues distilled from the historical weather-station record. Lecture presented to the Department of Geography, University of Minnesota, Minneapolis (April).*

Willmott, C.J., 1998. Spatial estimation and averaging of climate variables from weather-station observations. Lecture presented in the Department of Civil and Environmental Engineering, University of Delaware, Newark (April).*


Willmott, C.J., 1998. Spatially interpolating and mapping climate fields from lousy weather-station networks. Lecture presented to the Department of Geography, University of North Carolina, Chapel Hill (February).*

Willmott, C.J., 1997. Panel on environmental engineering versus other environmental fields. Speaker and panel discussant, Department of Civil and Environmental Engineering, University of Delaware, Newark (October).*


Willmott, C.J., R. Raskin and C. Funk, 1996. SPHEREKIT: The spatial interpolation toolkit. Presentation made at the Board of Directors Meeting, National Center for Geographic Information and Analysis, Orono, Maine (June).*


Willmott, C.J., 1996. Smart approaches to spatially interpolating climate variables. Lecture presented to the Department of Geography, University of California, Santa Barbara (January).*

Willmott, C.J., 1995. Issues in spatial data interpolation. Guest Lecture to the Seminar in GIS (Geography 275), Department of Geography, University of California, Santa Barbara (October).*

Willmott, C.J., 1995. Geographic approaches to estimating climate variables over continental and global scales. Lecture presented to the Department of Geography, Arizona State University, Tempe (October).*


Willmott, C.J., 1995. Geographic approaches to estimating climate variables over continental and global scales. Lecture presented to the Department of Geography, University of Tennessee, Knoxville (September).*


Willmott, C.J., 1995. Geographic analyses with GIS. Lecture presented at the University of Delaware Symposium on Present and Future Applications of Geographic Information Systems (GIS), Newark, Delaware (Feb.).*

Willmott, C.J., 1994. Climate and climatic change: what can we learn from the instrumental record? Lecture presented to the College of Marine Studies, Lewes, Delaware (September).*


Willmott, C.J., 1994. Plants and their influences on climate. Lecture presented to the Department of Geoscience, Oregon State University, Corvallis (April).*

Willmott, C.J., 1994. Progress in estimating climate and climatic change from the weather-station record. Lecture presented to the Department of Geoscience, Oregon State University, Corvallis (April).*

Willmott, C.J., 1994 Smart interpolation and mapping of global climate fields from in situ observations. Lecture presented to the Environmental Systems Research Institute (ESRI), Inc., Redlands, California (April).*


Willmott, C.J. and K. Matsuura, 1993. Land surface cover estimates from satellite and in situ data. Presentation made on NASA’s Space Grant College, Space Activities Day, Newark, Delaware (November).*


Matsuura, K., C.J. Willmott and K. Klink, 1993. Land surface cover estimates from satellite and in situ data. Paper presented at the annual meeting of the Middle States Division of the Association of American Geographers, Newark, Delaware (October).


Song, J., C.J. Willmott and B. Hanson, 1993. Simulation of latent- and sensible-heat fluxes over the Konza Prairie with a three-dimensional model. Paper presented at the annual meeting of the Middle States Division of the Association of American Geographers, Newark, Delaware (October).


Willmott, C.J., 1993. Yucca Mountain: adventures in applied climatology. Lecture given to the Department of Geography, University of Delaware, Newark, Delaware (September).

Willmott, C.J. and K. Matsuura, 1993. Possible future climates at Yucca Mountain Nevada over time scales from $10^1$ to $10^4$ years. Paper presented at the second meeting of the Expert Panel on Climatology convened by the Center for Nuclear Waste Regulatory Analyses (CNWRA), San Antonio, Texas (May).*

Willmott, C.J., 1993. Evaluating the global hydrologic cycle: research makes its way into the classroom. Lecture presented to the Department of Geography, Rutgers University, New Brunswick, New Jersey (May).*


Willmott, C.J., 1993. Global climate and climatic change: what can we learn from the instrumental record? Lecture presented to the Department of Geography, University of California, Los Angeles (February).*

Willmott, C.J., 1992. Detecting warming in the instrumental record or with GCMs. Lecture presented as a member of the Panel on “the Greenhouse Effect: Myth or Reality?” at the annual meeting of the Middle States Division of the Association of American Geographers, Syracuse, New York (October).*

Willmott, C.J., 1992. Use of point observations. Lecture presented to the Joint GEWEX/WGNE Workshop on Global Observations, Analyses and Simulation of Precipitation. Camp Springs, Maryland (October).*

Willmott, C.J., 1992. Estimating large-scale climate and climatic change from weather station data. Lecture presented to the Remote Sensing Seminar, College of Marine Studies, University of Delaware, Newark (September).*


Willmott, C.J., 1992. Climate and climatic change: what can we learn from the instrumental record? Lecture presented to the Department of Geography, Virginia Polytechnic Institute and State University, Blacksburg (April).*

Willmott, C.J., S.M. Robeson and J.J. Feddema, 1992. Influence of spatially variable instrument networks on continental and global scale climatic averages. Lecture presented to the Department of Geography, University of Maryland, College Park (March).*


Willmott, C.J. and S.M. Robeson, 1991. Can we identify global climate change from the weather-station record? Lecture presented to the Department of Geography at the University of Colorado, Boulder (February).*


Willmott, C.J., 1990. Can we detect climate change from station data? Lecture presented to the Remote Sensing Group, College of Marine Studies, University of Delaware, Newark (May).*


Willmott, C.J., 1990. Climatology of the global water cycle from traditional data. Lecture presented to the Department of Geography, San Diego State University, San Diego, California (February).*

Willmott, C.J., 1990. Futures in geography. Lecture presented to the Growth of Geographic Thought class in the Department of Geography and Environmental Studies, California State University, Hayward (February).*

Willmott, C.J., S.M. Robeson, and D.R. Legates, 1989. Can we identify climate change from station data? Lecture presented to the Department of Geography, University of Delaware, Newark (November).

Willmott, C.J., 1989. Land-surface processes and climate change. Lecture presented to the QUEST Group, University of Delaware, Newark (May).*

Willmott, C.J., 1989. Statistics for the evaluation of model performance. Lecture presented to the Department of Civil Engineering, University of Delaware, Newark (April).*


Willmott, C.J., 1989. Parameterizing the land-surface for climate studies. Lecture presented to the Department of Geography, University of California, Davis (February).*


Willmott, C.J., 1988. Climate and the biosphere. Lecture presented to the Department of Geology, University of Delaware, Newark (March).*


Willmott, C.J., 1987. Evaluation of model performance. Lecture presented to the Department of Geography, University of Nebraska, Lincoln (February).*

Willmott, C.J., 1987. Climatic classification. Lecture presented to the Department of Geography, University of Nebraska, Lincoln (February).*

Willmott, C.J., 1987. Statistics for the evaluation of models. Lecture presented to the Department of Geography, Arizona State University, Tempe (February).*


Willmott, C.J., 1986. Interpolation and contouring on small-scale maps. Lecture presented to the Advanced Computer Cartography class, Department of Geography, University of Wisconsin, Madison (May).*

Willmott, C.J., 1986. Climate and the biosphere. Lecture presented to the Department of Geology and Geography, Hunter College (CUNY), New York (April).*

Willmott, C.J., 1986. Climate and the biosphere. Lecture presented to the Department of Geography, University of Delaware, Newark (February).

Willmott, C.J. and K. Klink (presented on the authors’ behalf by Piers Sellers), 1985. A representation of the terrestrial biosphere for use in global climate studies. Presented at the ISLSCP Conference on Parameterization of Land-Surface Characteristics, Use of Satellite Data in Climate Studies, and First Results of ISLSCP, Rome, Italy (December).*


Willmott, C.J., 1984. A critical assessment of the use of models in environmental science. Lecture presented to the College of Marine Studies, University of Delaware, Lewes (June).*


Willmott, C.J., 1983. An empirically-derived climatology of the terrestrial seasonal water cycle. Special Colloquium presented to the Department of Geography, University of Connecticut, Storrs (December).*


Willmott, C.J., 1983. Climatological approaches to the evaluation of the available solar resource. Lecture presented to the Department of Geography, University of Victoria, Victoria, British Columbia (March).*

Willmott, C.J., 1983. Climatic modeling and evaluation. Lecture presented to the Department of Geography, University of Victoria, Victoria, British Columbia (March).*
Willmott, C.J., 1983. Operational evaluation of solar irradiance models. Lecture presented to the Department of Geography, University of British Columbia, Vancouver, British Columbia (March).*


Willmott, C.J., 1981. Computer cartography. Lecture presented to the College of Urban Affairs and Public Policy, University of Delaware, Newark (November).*


Willmott, C.J., 1979. On the climatic optimization of the tilt and azimuth of flat-plate solar collectors. Lecture given to the Institute of Energy Conversion, University of Delaware, Newark (December).*


Willmott, C.J., 1979. A climatic model for the evaluation of solar houses. Paper presented at the annual luncheon of the University of Delaware Research Foundation, Newark (January).*

Willmott, C.J., 1978. A climatic model for the evaluation of solar houses. Lecture presented to the Institute of Energy Conversion, University of Delaware, Newark (October).*


Willmott, C.J., 1978. Radiation climates in the United States. Lecture presented to the Department of Geography, The Ohio State University, Columbus (March).*


Willmott, C.J., 1976. A component analytic approach to precipitation regionalization in California. Lecture presented to the Departments of Geography at the University of Delaware, Newark (March);* the University of Wisconsin, Madison (April);* and the University of Minnesota, Minneapolis (April).*


