

David A. Robinson
 Professor & New Jersey State Climatologist
 Department of Geography & Office of the NJ State Climatologist
 Rutgers University
 website: <http://climate.rutgers.edu>

EDUCATION

Ph.D., Geology	1984	Columbia University
M.S., Geology	1981	Columbia University
B.S., Geology	1977	Dickinson College, Carlisle, PA

ACADEMIC POSITIONS

1995-	Professor, Department of Geography, Rutgers University
1991-	New Jersey State Climatologist
1996-2003, 2005-2011	Chairman, Dept. Geography, Rutgers
1988-95	Assistant ('88-'91) & Associate ('91-'95) Professor, Dept. Geography, Rutgers
1984-1988	Assoc. Research Scientist, Lamont-Doherty Earth Observatory, Columbia U.

RESEARCH INTERESTS

My primary research interests are in climate and climate change; in particular, state and regional climate and climate change issues, hemispheric and regional snow cover dynamics, interactions of snow cover with other climate elements, the dynamics of solar and terrestrial radiative fluxes at and close to the surface of the earth, and the collection and archiving of accurate climatic data.

RESEARCH GRANTS

To date, served as the principal investigator, co-principal investigator or sponsor on 79 research grants.

PUBLICATIONS

To date, author or co-author of 96 refereed articles, 16 book chapters, 97 non-refereed articles and technical reports, and 6 panel reports. Publications since 2011 and 5 other relevant publications include:

- Lawrimore, J. T.R. Karl, M. Squires, D. Robinson & K.E. Kunkel (accepted) Trends and Variability in Severe Snowstorms East of the Rocky Mountains, *Journal of Hydrometeorology*.
- Squires, M.S., J. H. Lawrimore, R. Heim Jr., D. Robinson; M. Gerbush, & T. Estilow (accepted) Regional Snowfall Index. *Bulletin of the American Meteorological Society*.
- Foster, J.L., J. Cohen, D.A. Robinson & T.W. Estilow, 2013. A look at the date of snowmelt and correlations with the Arctic Oscillation. *Annals Glaciology*, in press.
- Rupp, D.E., P.W. Mote, N.L. Bindoff, P.A. Stott & D.A. Robinson (2013) Detection and attribution of observed changes in Northern Hemisphere spring snow cover. *J Climate*, 26, 6904-6914, doi: 10.1175/JCLI-D-12-00563.1.
- Kunkel, K.E., T.R. Karl, H. Brooks, J. Kossin, J.H. Lawrimore, D. Arndt, L. Bosart, D. Changnon, S.L. Cutter, N. Doesken, K. Emanuel, P. Ya. Groisman, R.W. Katz, T. Knutson, J. O'Brien, C.J. Paciorek, T.C. Peterson, K. Redmond, D. Robinson, J. Trapp, R. Vose, S. Weaver, M. Wehner, K. Wolter, & D. Wuebbles, 2013. Monitoring and Understanding Trends in Extreme 1 Storms: State of Knowledge, *Bull.AMS*, 10.1175/BAMS-D-11-00262.1.
- Rennermalm, A.K., S.E. Moustafa, J. Mioduszewski, V.W. Chu, R.R. Forster, B. Hagedorn, J.T. Harper, T.L. Mote, D.A. Robinson, C.S. Shuman, L.C. Smith & M. Tedesco, 2013. Understanding Greenland ice sheet hydrology using an integrated multi-scale approach. *Envir. Res. Lett.*, 8 (1) 015017 doi: 10.1088/1748-9326/8/1/015017.

- Ghatak, D. C. Deser, A. Frei, G. Gong, A. Phillips, D. Robinson & J. Stroeve, 2012. Simulated Eurasian Snow Cover Response to Observed Arctic Sea Ice Loss, 1979-2009. *J. Geophys. Res. – Atmos.*, 117, D23108, doi:10.1029/2012JD018047.
- Frei, A., M. Tedesco, S. Lee, J. Foster, D.K. Hall, R. Kelly & D.A. Robinson (2011). A review of global satellite-derived snow products. *Adv. Space Res.* <http://dx.doi.org/10.1016/j.asr.2011.12.021>
- Decker, S.G. & D.A. Robinson (2011). Unexpected high winds in northern New Jersey: A downslope windstorm in the presence of modest topography. *Weather and Forecasting*. 26, 902–921. doi: 10.1175/WAF-D-10-05052.1
- Brown, R.D. & D.A. Robinson (2011). Northern Hemisphere spring snow cover variability and change over 1922-2010 including an assessment of uncertainty. *The Cryosphere*, 5, 219–229, www.the-cryosphere.net/5/219/2011/doi:10.5194/tc-5-219-2011.
- Squires, M.F., J.H. Lawrimore, R.R. Heim Jr., D.A. Robinson, M.R. Gerbush & T.W. Estilow (2010). Development of regional snowfall indices. *Proceedings of the 25th Conference on International Interactive Information and Processing Systems for Meteorology, Oceanography and Hydrology*. Atlanta, GA, American Meteorological Society, 10pp.
- Robinson, D.A. (2009) Weather and Climate, in *Mapping New Jersey* (ed. Laurie, M.N. & P.O. Wacker), Rutgers University Press, 22-27.
- Leathers, D.J., D. Graybeal, T. Mote, A. Grundstein & D. Robinson (2004). The role of airmass types and surface energy fluxes in snow cover ablation in the central Appalachians. *Journal of Applied Meteorology*, 43, 1887-1898.
- Gezdelman, S.D., S. Austin, R. Cermak, N. Stefano, S. Partridge, S. Quesenberry & D.A. Robinson (2003). Mesoscale aspects of the urban heat island around New York City. *Theoretical and Applied Climatology*, 75, 29-42.
- Leathers, D.J., T.L. Mote, A.J. Grundstein, D.A. Robinson, K. Felter, K. Conrad & L. Sedywitz (2002). Associations between continental scale snow cover anomalies and air mass frequencies across eastern North America.

PROFESSIONAL ACTIVITY

Appointed/elected positions (selected currently active positions & selected positions since 2006)

- 2014- Member, Committee on Effective Communication of Weather and Climate Information, American Meteorological Society
- 2013- Member, Core Development Team, New Jersey Hazard Mitigation Plan
- 2013- Member, Physical Climate Indicators Working Group, National Climate Assessment
- 2012 Member, Steering Committee, NASA Remote Sensing of Seasonal Snow
- 2011- Member Steering Committee: Northeast Assessment. National Climate Assessment
- 2011- Member, National Academy of Sciences Board on Atmospheric Sciences and Climate
- 1999- Contributor: Intergovernmental Panel on Climate Change
- 1999- New Jersey Department of Environmental Protection Internal Drought Task Force
- 2006-2013 Member, NOAA Science Advisory Board Climate Working Group
- 2009-2011 Member, National Academy of Sciences Climate Research Committee
- 2006-2008 Chair, National Research Council (NRC) Committee: Archiving and Accessing Environmental and Geospatial Data at NOAA
- 2002-2013 Executive committee: American Association of State Climatologists (past president)

RECENT AWARDS

- 2012 Fellow, American Meteorological Society
- 2008 National Associate. National Research Council of the National Academies
- 2008 “Environmental Hero”: NOAA
- 2008 Lifetime Achievement Award: Climate Specialty Group, Association of American Geographers