David A. Robinson
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EDUCATION

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

ACADEMIC POSITIONS

2018-	Distinguished Professor, Department of Geography, Rutgers University
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 or co-principal investigator on 138 research grants totaling approximately $16,600,000.

PUBLICATIONS

Author or co-author of 130 refereed articles, 20 peer-reviewed book chapters, 6 published databases, 117 non-refereed articles and technical reports, and 7 panel reports. Examples of notable references in recent years include:

Visaria, A., S-P. Huang, C-C. Su, D. Robinson, J. Read, C-Y. Lin, R. Nethery, K. Josey, P. Gandhi, B. Bates, M. Rua, A. Parthasarathi, A.K. Ghosh, Y-H. Kao Yang, and S. Setoguchi (2024) Ambient heat and risk of serious hypoglycemia in older adults with diabetes using insulin in the U.S. and Taiwan: a cross-national case-crossover study. *Diabetes Care*. 47(2):233–238, https://doi.org/10.2337/dc23-1189.

Josey, K., R. Nethery, A. Visaria, B. Bates, P. Gandhi, A. Parthasarathi, M. Rua, D. Robinson, and S. Setoguchi (2023). Retrospective cohort study investigating synergism of air pollution and corticosteroid exposure in promoting cardiovascular and thromboembolic events in older adults. *BMJ Open*. doi:10.1136/bmjopen-2023-072810.

R.C. Nethery, K. Josey, P. Gandhi, J-H. Kim, A. Visaria, B. Bates, J. Schwartz, D. Robinson,and S. Setoguchi (2023) Air pollution and cardiovascular and thromboembolic events in older adults with high-risk conditions. American Journal of Epidemiology. 192(8), 1358-1370. Doi: 10.1093/aje/kwad089.

Teale, N., and D. A. Robinson (2022). Long-term variability in atmospheric moisture transport and relationship with heavy precipitation in the eastern United States. *Climatic Change,* 175, 1. DOI: 10.1007/s10584-022-03455-3.

Teale, N., and D.A. Robinson (2022) Eastern US precipitation investigated through patterns of moisture transport, *Physical Geography*, doi: 10.1080/02723646.2022.2042916

Suriano, Z.J., D.L. Leathers, T.L. Mote, G.R. Henderson, T.W. Estilow, L.J. Wachowicz, and D.A. Robinson (2021) Declining North American snow cover ablation frequency. *International Journal of Climatology*, doi: 10.1002/joc.7125

Schiavone, J.A., K. Gao, D.A. Robinson, P.J. Johnsen and M.R. Gerbush (2021) Large roll vortices exhibited by Post-Tropical Cyclone Sandy during landfall. Atmosphere, 12, 259, https://doi.org/10.3390/atmos12020259.

Teale, N., and Robinson, D. A. (2020) Patterns of water vapor transport in the eastern United States. *Journal of Hydrometeorology*, *21,* ***9***(9), 2123–2138. https://doi.org/10.1175/JHM-D 19-0267.1.

Suriano, Z.J., D.A. Robinson and D.J. Leathers (2019) Changing snow depth climatology of the North American Great Lakes basin (USA): Implications and trends. *Anthropocene*, 26, doi:10.1016/j.ancene.2019.100208.

Washington, B., L. Seymour, T.L. Mote, D. Robinson, and T. Estilow (2018) Identifying and extracting a seasonal streamflow signal from remotely sensed snow cover in the Columbia River Basin. *Remote Sensing Applications: Society and Environment*, 14, 207–223, doi:10.1016/j.rsase.2018.03.003.

Xue, Y., I. Diallo, W. Li, J.D. Neelin, P.-C. Chu, R. Vasic, W. Guo, Q. Li, D.A. Robinson, Y. Zhu, C. Fu, and C. Oaida (2018) Spring land surface and subsurface temperature anomalies and subsequent downstream late spring-summer droughts/floods in North America and East Asia. *Journal of Geophysical Research Atmospheres,* 123, 5001-5019. 10.1029/2017JD028246

Ballinger, T.J., R.V. Rohli, M.J. Allen, D.A. Robinson, and T.W. Estilow (2018) Half century perspectives on North American spring snowline and snow cover associations with the Pacific/North American pattern. *Climate Research*, 71, 204-216, doi:10.3354/cr01499.

Kluver, D., T. Mote, D. Leathers, G.R. Henderson, W. Chan, and D.A. Robinson (2016) Creation and validation of a comprehensive 1° by 1° daily gridded North American dataset for 1900-2009: snowfall. *Journal of Atmospheric and Oceanic Technology*, 33, 857-871, doi: 10.1175/JTECH-D-15-0027.1 .

Rawlins, M.A., R.S. Bradley, H.F. Diaz, J.S. Kimball, and D.A. Robinson (2016) Future decreases in freezing days across North America. *Journal of Climate*, 29, 6923-6935, doi: 10.1175/CLI-D-15-0802.1 .

Kunkel, K.E., D.A. Robinson, S. Champion, X. Yin, T. Estilow, and R.M. Frankson (2016) Trends in Northern Hemisphere snow extremes. *Current Climate Change Reports*, 2, 65–73, doi: 10.1007/s40641-016-0036-8.

Xue, Y., C. Oaida, I. Diallo, J. Neelin, S. Li, F. DeSales, Y. Gu, D. Robinson, R. Vasic, and Y. Lan (2016) Spring land temperature anomalies in northwestern U.S. and southern plains summer drought. *Environmental Research Letters*, 11, doi:10.1088/1748-9326/11/4/044018.

Kim, Y., J. Kimball, D. Robinson, and C. Derksen (2015) New satellite climate data records indicate strong coupling between recent frozen season changes and snow cover over high northern latitudes. *Environmental Research Letters*, 10, doi:10.1088/1748-9326/10/8/084004.
Mioduszewski, J.R., A. K. Rennermalm, D. A. Robinson, and L. Wang (2015) Controls on Spatial and temporal variability in Northern Hemisphere terrestrial snow melt timing, 1979 2012. *J. Climate*, 28, 2136–2153, doi:10.1175/JCLI-D-14-00558.1.
Estilow, T. W., A.H. Young, and D.A. Robinson (2015) A long-term Northern Hemisphere snow cover extent data record for climate studies and monitoring. *Earth Syst. Sci. Data*, 7, 137–142, doi:10.5194/essd-7-137-2015.
Mioduszewski, J., Rennermalm, A., D.A. Robinson, and T. Mote (2014) Attribution of snow melt onset in northern Canada. *Journal of Geophysical Research – Atmospheres*, 119, 9638 9653, doi:10.1002/2013JD021024.
Lawrimore, J. T.R. Karl, M. Squires, D.A. Robinson, and K.E. Kunkel (2014) Trends and variability in severe snowstorms east of the Rocky Mountains. *Journal of Hydrometeorology*, 15, 1762–1777, doi:10.1175/JHM-D-13-068.1.
Squires, M.S., J. H. Lawrimore, R. Heim Jr., D.A. Robinson, M.R Gerbush, and T.W. Estilow (2014) The regional snowfall index. *Bulletin of the American Meteorological Society*, December 2014, 1835–1848, doi:10.1175/BAMS-D-13-00101.1.

PROFESSIONAL ACTIVITY

Appointed/elected positions *(selected positions)*

2016- Member: Research Committee of the Eastern Snow Conference
2015- Member: World Meteorological Organization Global Cryosphere Watch Snow Watch
2015– Member: Watershed Institute Science Advisory Committee, Hopewell Township, NJ
2017-2022 National Mesonet Program, Advisory Board, member
2011–2018 Member, National Academy of Sciences Board on Atmospheric Sciences and Climate
1999–2018 Contributor: Intergovernmental Panel on Climate Change (climate monitoring and cryosphere chapters)

AWARDS

2023 Rutgers Cooperative Extension Specialist of the Year
2023 Lifetime Achievement Award: Cryosphere Specialty Group, American Association of Geographers
2017 Lifetime Achievement Award: American Association of Geographers
2014 Lifetime Achievement Award: New Jersey Association of Floodplain Managers
2014 Rutgers Presidential Public Service Award
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