

Justin Staller Mankin

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APPOINTMENTS

2026-present Professor, Department of Geography, Dartmouth College (beginning July)
2023-2026 Associate Professor, Department of Geography, Dartmouth College
2018-2023 Assistant Professor, Department of Geography, Dartmouth College
2018-present Adjunct Associate Research Scientist, Lamont-Doherty Earth Observatory, Columbia University
2018-present Faculty Affiliate, Department of Earth Sciences; Ecology, Evolution, Environment & Society, Dartmouth
2015-2018 Earth Institute Postdoctoral Fellow, Lamont-Doherty Earth Observatory, Columbia University
2015-2017 Postdoctoral Fellow, NASA Goddard Institute for Space Studies

EDUCATION

2015 PhD in Environment & Resources, School of Earth Sciences, Stanford University
2010 MPA in Environmental Science & Policy, Earth Institute, Columbia University
2008 MSc in Global Politics & Development, London School of Economics
2004 BA in Political Science, Columbia University

HONORS, AWARDS, & FELLOWSHIPS • (SELECTED, LAST TWO YEARS)

2026 Callahan & Mankin, *Nature* (2025) named one of the 10 New Insights in Climate Science (10NICS), WCRP
2026 Callahan & Mankin, *Nature* (2025) named Carbon Brief top 10 climate papers of the year
2025 Sialog Fellow, Research Corporation for Science Advancement (RCSA) & Kavli Foundation
2025 H. Burr Steinbach Scholar, MIT & Woods Hole Oceanographic Institution
2024 American Geophysical Union, Global Environmental Change Early Career Award
2024 Keynote Lecture, U.S. National Academies of Sciences, “Climate Change & Human Migration”
2024 Gottlieb & Mankin, *Nature* (2024) named a Nature cover article
2024 Callahan & Mankin, *Science* (2023) named one of the 10 New Insights in Climate Science (10NICS), WCRP

RESEARCH FUNDING

External funding to Dartmouth as PI or co-PI: \$3.3M (completed and current)
Sources: NSF (completed, current, pending), DOE (completed), NOAA (completed, pending), Rockefeller Family Fund (current), Silicon Valley Community Foundation (current)

SERVICE

TO THE DISCIPLINE • (RECENT SELECTED)

2026-present Deputy Chief Editor, *Earth's Future*, American Geophysical Union (AGU)
2025-present Member, Committee on the Future of Drought, U.S. National Academy of Sciences
2025-present Member, US CLIVAR Working Group, Accelerating Research on Climate Risk Information
2025-present Member, British Institute of International and Comparative Law (BIICL) Legal Tactics Core Group
2024-present Graphics Lead Author, U.S. Sixth National Climate Assessment
2024-present Drought Co-Lead, Water Cycle Priorities, NASA Decadal Survey
2023-present Associate Editor, *Journal of Climate*, American Meteorological Society (AMS)
2024-present Member, Attribution Science and Climate Law Advisory Committee, Sabin Center for Climate Law
2020-present Member Representative, University Corporation for Atmospheric Research (UCAR)
2021-2024 Co-lead, National Oceanic & Atmospheric Administration Drought Task Force
2023-2024 Co-Chair, 37th Conference on Climate Variability and Change, AMS

PEER-REVIEWED PUBLICATIONS • (RECENT SELECTED)

Total peer-reviewed papers: 68; citations: ~8,500; Google Scholar h-/i10-index: 41/56

★ Denotes research where Mankin is lead or senior author per the Vancouver Protocol; underlined are: PI-advised (P)ostdoc, (G)rad student, (U)ndergrad, and (R)esearch Assistant

- 2026 Bagwell, T. (G), S. Dee, E. Ching, X. Luo, F. Viens, J. S. Mankin, "Global and regional climate modes modulate armed conflict risk, *accepted, Proceedings of the National Academy of Sciences*.
- 2026 ★Lesk, C. (P) & J. S. Mankin, More concentrated precipitation decreases terrestrial water storage, *accepted, Nature*.
- 2025 ★Callahan, C. (G) & J. S. Mankin, Carbon majors and the scientific case for climate liability, *Nature*, 10.1038/s41586-025-08751-3.
- 2025 ★Mankin, J. S., et al., Nonlinear carbon feedbacks diminish future freshwater availability, *Journal of Climate*, 10.1175/JCLI-D-24-0028.1.
- 2025 ★Lesk, C. (P), J. Winter, & J. S. Mankin, Projected runoff declines from plant physiological effects on precipitation, *Nature Water*, 10.1038/s44221-024-00361-z.
- 2025 ★Gottlieb, A. (G) & J. S. Mankin, Subseasonal temperature variability drives nonlinear snow loss with warming, *Water Resources Research*, 10.1029/2024WR039724.
- 2024 ★Gottlieb, A. (G) & J. S. Mankin, Evidence of human influence on Northern Hemisphere snow loss, *Nature*, 10.1038/s41586-023-06794-y.
- 2024 ★Li, Z. (P), ... & J. S. Mankin, Emergent trends complicate interpretation of the United States Drought Monitor, *AGU Advances*, 10.1029/2023AV001070.
- 2023 ★Callahan, C. (G) & J. S. Mankin, Persistent effect of El Niño on global economic growth, *Science*, 10.1126/science.adf2983.
- 2022 ★Callahan, C. (G) & J. S. Mankin, Globally unequal effect of extreme heat on economic growth, *Science Advances*, 10.1126/sciadv.add3726.
- 2022 ★Callahan, C. (G) & J. S. Mankin, National-scale attribution of historical climate damages, *Climatic Change*, 10.1007/s10584-022-03387-y.
- 2021 ★Mankin, J. S., et al., NOAA Drought Task Force Report on the 2020-2021 Southwestern U.S. Drought, *NOAA Drought Task Force, MAPP, and NIDIS*, 10.25923/jotrj-an85.
- 2020 ★Mankin, J. S., F. Lehner, S. Coats, K. McKinnon, The value of initial condition large ensembles to robust decision-making, *Earth's Future*, 10.1029/2020EF001610.
- 2019 ★Mankin, J. S., et al., Mid-latitude freshwater availability reduced by projected vegetation responses to climate change, *Nature Geoscience*, s41561-019-0480-x.

TEACHING • (ALL COURSES DESIGNED BY MANKIN)

GEOG 01: Introduction to Earth System Science (introductory; offered annually); GEOG 16: A Climate for Human Security (intermediate; climate physics, policy, and security); GEOG 18 / EEES 140: Climate Extremes on a Warming Planet (intermediate/graduate; atmospheric science, extremes); GEOG 60 / EEES 160: Earth System Modeling (advanced/graduate; students build and run models across the hierarchy); GEOG 63: Decarbonize Your Life (advanced; develop and implement a decarbonization strategy); GEOG 90 / EEES 162: Advanced Topics in Climate Science (graduate; origins, maturation, and current frontier of big ideas in climate science)

OTHER WRITING • (SELECTED)

- 2025 ★Mankin, J. S., et al., National climate damages traceable to emissions from the U.S. transport and power sectors, *Zenodo*.
- 2024 ★Mankin, J. S., The people have a right to climate data, *The New York Times*.
- 2023 ★Mankin, J. S. & C. Callahan (G), The other climate change, *The Los Angeles Times*.
- 2022 ★Mankin, J. S. & C. Callahan (G), The Scientific Case for Climate Liability and Loss and Damage, *Lawfare*.
- 2021 ★Mankin, J. S., The American West's drought isn't a disaster. It's our new, permanently arid normal, *The*

Washington Post.

PROFESSIONAL SOCIETIES

American Geophysical Union; American Meteorological Society; American Association of Geographers;
American Association for the Advancement of Science