

Camille Hankel

crhankel@uw.edu [personal website](#)

Cooperative Institute for Climate, Ocean, and Ecosystem Studies, University of Washington
Dept. of Atmospheric and Climate Science, University of Washington
3920 Okanogan Lane NE, Seattle, WA 98195

Education

Ph.D., Earth and Planetary Sciences, Harvard University. May 2024. *Advisor: Eli Tziperman.*
Secondary Field in History of Science
B.S., Mathematics, Georgetown University, 2018. *Summa cum laude.*
B.A., Computer Science, Georgetown University, 2018.

Positions

Postdoctoral Fellow at the Cooperative Institute for Climate, Ocean, and Ecosystem Studies (CICOES)
and the Dept. of Atmospheric and Climate Science at the University of Washington. *Sept. 2024–present*

Teaching

Teaching Fellow, EPS 231: Climate Dynamics, Harvard University, 2023
Teaching Fellow, EPS 131: Introduction to Physical Oceanography and Climate, Harvard University, 2022
Head Teaching Fellow, APM120: Applied Linear Algebra and Big Data, Harvard University, 2020 & 2021
Course Development for EPS 101: Global Warming Science, Harvard University, 2020
In collaboration with my PhD advisor Eli Tziperman I helped develop one unit of this new course,
designing the curriculum, generating the instructional text, coding exercises, and figures, and
contributing to the publication of a textbook chapter based on the final course materials.
Teaching Assistant, Data Structures, Georgetown University, 2016
Teaching Assistant, Computer Science I & II, Georgetown University, 2015-2016

Awards & Fellowships

NSF Atmospheric and Geospace Sciences Postdoctoral Research Fellowship, 2024
CICOES Postdoctoral Fellowship at the University of Washington, 2024
National Center for Atmospheric Research ASP Postdoctoral Fellowship, 2024 (declined)
Cooperative Institute for Research in Environmental Sciences at the University of Colorado
Boulder Postdoctoral Fellowship, 2024 (declined)
AGU Ocean Sciences Section Outstanding Student Presentation Award, Fall Meeting 2023
Recipient of NCAR's Exploratory Allocation Computing Grant, 2023
US CLIVAR Travel Grant to participate in the ENSO Summer School, Trieste, Italy, 2022
Bok Center Certificate of Distinction in Teaching, Harvard University, 2021
Earth and Planetary Sciences Teaching Award, Harvard University, 2020
Harvard Skaff Family Environmental Graduate Fellowship, 2018
Phi Beta Kappa Member, Georgetown University, 2018
Clare Booth Luce Undergraduate Scholarship, Georgetown University, 2016-2018

Manuscripts in preparation/submitted

1. Hankel, Camille, Edward Blanchard-Wrigglesworth, and Haruki Hirasawa. “Increasing boreal fire activity reduces AMOC decline.” *In prep.*

Publications

1. Hankel, Camille, and David Bonan. “Transient evolution of polar amplification under different CO₂ ramping rates.” *Geophysical Research Letters* 53 (2026): e2025GL120079. <https://doi.org/10.1029/2025GL120079>
 2. Hankel, Camille, Wei Cheng, and Cecilia Bitz. “Arctic sea ice meltwater as a forcing and feedback on the Atlantic Meridional Overturning Circulation.” *Journal of Climate* (2026): e250254. <https://doi.org/10.1175/JCLI-D-25-0254.1>
 3. Hankel, Camille. “The effect of CO₂ ramping rate on the transient weakening of the Atlantic Meridional Overturning Circulation.” *Proceedings of the National Academy of Sciences* 122.1 (2025): e2411357121. <https://doi.org/10.1073/pnas.2411357121>
 4. Hankel, Camille, and Eli Tziperman. “Assessing the robustness of Arctic sea ice bi-stability in the presence of atmospheric feedbacks.” *Journal of Geophysical Research: Atmospheres*, 128, e2023JD039337. <https://doi.org/10.1029/2023JD039337>
 5. Hankel, Camille, and Eli Tziperman. “An approach for projecting the timing of abrupt winter Arctic sea ice loss.” *Nonlinear Processes in Geophysics* 30.3 (2023): 299-309. <https://doi.org/10.5194/npg-30-299-2023>
 6. Hankel, Camille, and Eli Tziperman. “Chapter 2: Greenhouse.” *Global Warming Science*, Princeton University Press, 2022.
 7. Hankel, Camille, and Eli Tziperman. “The Role of Atmospheric Feedbacks in Abrupt Winter Arctic Sea Ice Loss in Future Warming Scenarios.” *Journal of Climate* 34.11 (2021): 4435-4447. <https://doi.org/10.1175/JCLI-D-20-0558.1>
 8. Kogay, Roman, et al. “Machine-learning classification suggests that many alphaproteobacterial prophages may instead be gene transfer agents.” *Genome biology and evolution* 11.10 (2019): 2941-2953. <https://doi.org/10.1093/gbe/evz206>
-

Invited Talks

May 2026	CGD Seminar, National Center for Atmospheric Research, Boulder, CO
March 2026	Ocean and Climate Physics Seminar, Lamont-Doherty Earth Observatory, Columbia University
December 2025	Equilibrium Climate Sensitivity and Cloud Feedbacks Virtual Symposium
October 2025	Caltech Engineering & Applied Sciences Trailblazers Symposium and Environmental Science and Engineering Department Seminar
August 2025	Research Seminar, College of Earth, Ocean, and Atmospheric Sciences, Oregon State University
June 2025	Interagency Arctic Research Policy Committee (IARPC) Physical Oceanography Webinar
April 2025	Physical Oceanography Seminar, University of Washington, Seattle
January 2025	Atmospheric and Climate Science Seminar, University of Washington, Seattle
November 2023	Guest Lecture, PHIL-920-1: Philosophy of Science, University of Wisconsin-Madison
October 2023	Workshop on Non-autonomous Dynamics in Complex Systems, Max-Planck Institute for Physics of Complex Systems, Dresden, Germany
September 2023	Max Planck Institute for Meteorology Joint Seminar, Hamburg, Germany

Presentations, Posters, and Workshops

December 2019–2024	American Geophysical Union Fall Meeting
September 2023	Dynamics Days Europe
July 2022	3rd Summer School on Theory, Mechanisms and Hierarchical Modeling of Climate Dynamics, International Centre for Theoretical Physics in Trieste, Italy
June 2019 & 2022	22nd & 23rd Conference on Atmospheric and Oceanic Fluid Dynamics
November 2019	13th Graduate Climate Conference, Woods Hole Oceanographic Institute

Outreach & Service

<i>Present</i>	Research Mentor for senior undergraduate Atmospheric Sciences student Steven Xu, University of Washington
<i>Present</i>	Member of the Committee for Equity, Diversity, and Inclusion, Dept. of Atmospheric and Climate Science, University of Washington
2025	Session Organizer and Co-Chair for “The State and Future of Polar Climate: Insights from Idealized Models, Reanalyses, and Projections”, 18th Conference on Polar Meteorology and Oceanography at the 2025 AMS Denver Summit

2024	Session Organizer and Co-Chair for “History and Philosophy of the Geosciences: What’s Next?”, AGU Fall Meeting 2024
2022–present	Peer Reviewer for <i>Nature Climate Change</i> , <i>Nature Geoscience</i> , <i>PNAS</i> , <i>GRL</i> , <i>Journal of Climate</i> , <i>Journal of Physical Oceanography</i> , <i>npj Climate and Atmospheric Science</i> , <i>Environmental Research Letters</i> , and <i>Journal of Physics: Complexity</i>
2023	Volunteer for the Harvard EPS Graduate Admissions Application Program: an initiative that offers support and feedback to prospective PhD applicants from groups underrepresented in STEM.
2020–2021	Mentor for the Science Research Mentorship Program (SRMP): a program that aims to introduce local (Cambridge, MA) high-school students from diverse backgrounds to the Earth and Planetary Sciences through year-long research projects.
2020–2022	Member of the Diversity, Inclusion, and Belonging (DIB) History of Racism Subgroup: an effort to lead a reflection on and study of Harvard’s own historical legacy of racism.
2020	Mentor for Harvard EPS Short-Term Summer Program: an initiative which aims to recruit undergraduate students from diverse backgrounds to the EPS major at Harvard by offering paid summer research positions.