

William R. Boos

University of California, Berkeley
Department of Earth and Planetary Science
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Professional appointments

Professor, 2024–present
Associate Professor, 2017–2024
Department of Earth and Planetary Science, University of California, Berkeley
Faculty Scientist, 2017–present
Lawrence Berkeley National Lab

Associate Professor, 2015–2017
Assistant Professor, 2010–2015
Department of Geology and Geophysics, Yale University

Postdoctoral Fellow, 2008–2010
Department of Earth and Planetary Sciences, Harvard University

Analyst, 1997–1999
Andersen Consulting (now Accenture), New York, NY

Education

Ph.D. in Atmospheric Science, Massachusetts Institute of Technology, 2008
Professional M.S. in Geosystems, Massachusetts Institute of Technology, 2002
B.S. with Honors in Physics, B.A. in Math, State University of New York, Binghamton, 1997

Select Honors and Awards

UC Berkeley's Beatriz Manz Award for exceptional scholarship, service to the college and community, and transformational teaching, 2025
Richard P. and Linda S. Turco Lectureship, University of Illinois Urbana-Champaign, 2024
Research Professorship, Miller Institute for Basic Research in Science, UC Berkeley, 2021
Jeremy Grantham lecturer, Indian Institute of Science (Bangalore), 2016
National Science Foundation (NSF) CAREER Award, 2013
American Geophysical Union Citation for Excellence in Refereeing, 2013
Young Investigator Research Award, Office of Naval Research (ONR), 2011
James R. Holton Junior Scientist Award, American Geophysical Union, 2010
Reginald A. Daly Postdoctoral Fellowship at Harvard University, 2008–2010
John and Elaine French Fellowship, Harvard University Center for the Environment, 2008–2010

Advising

Primary advisor for postdoctoral scientists: John Hurley, Xavier Levine, Naftali Cohen, Michael Diaz, Nandini Ramesh, Vishnu Nair, Marysa Laguë, Suhas D.L., Yi Zhang, Margaret Duffy, Mayank Gupta

Primary advisor for doctoral students: Jun Zhai, Ravi Shekhar, Varun Murthy, Quentin Nicolas, Albany Blackburn, Dashiell Carrel

Primary advisor for student interns, M.Sc. students & undergraduate theses: Sarah Ditchek, Cole Cirenbaum, Siyu Zhao, Melody Lu, Alex Chang, Henry Peterson, Bowen Fan, Jake Yung, Ciara Dorsay, Ram Kripa, Salil Goyal, Medha Pallavali, Paul Nicknish, Isha Khandwala, Tyler Yang, Yu Zhu

Committee member or reader for doctoral students (university noted for students not at my institution): Alison Nugent, Dea Dokleštic, Peter Douglas, Elizabeth Brown, Mengnan Zhao, Shineng Hu, Christopher Kruse, Yana Bebieva, Azusa Takeishi, Zachary McGraw, Wenwen Kong, Jiabin Liu, Chris Moeckel, Michael Byrne (MIT), James Russell (North Carolina State), Wenchang Yang (Columbia University), Spencer Hill (Princeton), Arushi Pv (Indian Institute of Science), Harry Li (U. Toronto), Ziwei Li (MIT), Yi Zhang (Princeton), Jayesh Anand Phadtare (Indian Institute of Science), Pradeep Kushwaha (Indian Institute of Science), Edward Molter, Yi-Chuan Lu, Ankur Mahesh

Service

Head Graduate Advisor, Department of Earth and Planetary Science, 2025–present

Editor, *Journal of the Atmospheric Sciences*, 2020–present

Member of the Integrated Prediction of Precipitation and Hydrology for Early Actions (InPRHA) project of the World Meteorological Agency (WMO), Precipitation to People task team, 2025–present

Member of UC Berkeley Academic Senate Task Force on Research and Instruction related to Climate Change, 2023–present

Impact Advisory Board member for Moka Origins, providing expertise on weather for cooperative coffee and chocolate farms in equatorial Africa, 2019–present

Faculty search committee member, Department of Environmental Science, Policy, and Management, 2025

Faculty search committee member, Department of Earth and Planetary Science, 2019–2020, 2021–2022, 2024–2025

Chair of search committee for Director of the Climate and Ecosystem Sciences Division, Lawrence Berkeley Lab, 2023

Editorial board member of Nature Partner Journal *npj Climate and Atmospheric Science*, 2017–2023

Member of space planning committee for renovations to McCone Hall, Department of Earth and Planetary Science, 2022–2023

Interim Co-Director of the Berkeley Atmospheric Sciences Center, 2021–2022

Advisor for Graduate Student Instructor Affairs, Department of Earth and Planetary Science, 2019–2021

Advisory committee member for University of California Office of the President project Designing UC Buildings for Future Climate Realities, 2020–2021

Steering committee member for the Environmental Resilience Accelerator, UC Berkeley and the Lawrence Berkeley National Lab, 2018–2020

Member of CLIVAR Working Group on the Asian-Australian monsoon, 2016–2020

Member of World Meteorological Organization Expert Team on Severe Monsoon Weather, 2015–2020

Co-organizer for Berkeley Atmospheric Sciences Center seminars and annual symposium, 2018–2019

Yale’s Pathways to Science, teaching extreme weather and risk to high school students in summer program, 2013–2017

Yale representative to the University Corporation for Atmospheric Research, 2011–2017

Member of Program Committee for American Meteorological Society’s 32nd Conference on Hurricanes and Tropical Meteorology, San Juan, Puerto Rico, 2015

Led hydrology team of MIT’s FloodSafe Honduras, supporting flood warning system, 2005–2007

Club of Rome, Hamburg, Germany, member of “think tank 30,” a group of young advisors on global humanitarian issues, 2002–2005

Consultant to Institute for Civil Society, Newton, MA for presentation on global change, 2002–2004

Publications

Complete publication list: <https://boos.berkeley.edu/publication>

Google Scholar profile:

<https://scholar.google.com/citations?user=AnKqc8UAAAAJ&hl=en&oi=ao>

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