Curriculum Vitae (As of July 28, 2026) **ZONG-LIANG YANG,** PROFESSOR, UNIVERSITY OF TEXAS AT AUSTIN, JACKSON SCHOOL OF GEOSCIENCES, 1 UNIVERSITY STATION C9000, AUSTIN, TEXAS, 78712; E-MAIL: LIANG@JSG.UTEXAS.EDU; WEB OF SCIENCE: B-4916-2011; ORCID: 0000-0003-3030-0330

Educational Background

Ph.D., 1992, Atmospheric Science, Macquarie University (Advisor: Ann Henderson-Sellers), Australia
M.S., 1989, Meteorology, University of Melbourne (Advisor: Ian Simmonds), Australia
B.S., 1984, Meteorology, Nanjing Institute of Meteorology, China

Professional Positions

- Professor, Department of Earth and Planetary Sciences, University of Texas at Austin, 2008–present
- Associate Professor, Department of Earth and Planetary Sciences, UT-Austin, 2005–2008
- Assistant Professor, Department of Earth and Planetary Sciences, UT-Austin, 2001–2005
- Research Associate through Research Associate Professor, University of Arizona, 1993–2001

Honors & Recognition

- Fellow, American Geophysical Union, 2025
- Fellow, American Meteorological Society, 2025
- Board of Directors, Climate Health Society, 2026
- Chinese-American Oceanic and Atmospheric Association Distinguished Lecture Speaker, 11/18, 2024
- Outstanding Editor Award, for Exceptional Contributions to *Advances in Atmospheric Sciences,* 2021
- John A. and Katherine G. Jackson Chair in Earth System Sciences, UT-Austin, 2011–present
- Distinguished Achievement Award (shared) - National Center for Atmospheric Research (NCAR) Community Climate System Model Development, USA, 2008
- The Joseph C. Walter Jr. Excellence Award, Jackson School of Geosciences, UT-Austin, 2007
- Teaching Excellence Award, College of Natural Sciences, UT-Austin, 2004
- Macquarie University Postgraduate Research Award, Australia, 1989–1992
- NCAR Exchange Visiting Research Scholarship, Boulder, CO, USA, 1991
- People's Republic of China Ministry of Education Overseas Scholarship, 1986–1989

Research Funding

40 research projects funded by NSF, EPA, NASA, NOAA, DOE, Microsoft Research, Austin Water, etc. Funded projects exceeding $10M as the Principal Investigator (PI), and additional $12M as Co-I.

Advising, Mentoring, and Supervision

(A total of 91 mentees, comprising 53 graduate advisees, with **54%** being **female.** Among the latter group, 85% have assumed academic and research leadership roles in the USA, Asia, and Europe**)**

Post-doctoral fellows, serves or served as supervisor or co-supervisor: 16 total, 1 current
PhD students, serves or served as supervisor: 33 graduated, 4 current
MS & MA students, serves or served as supervisor: 3 graduated, 0 current
BS students, serves or served as supervisor: 3 graduated, 3 current
Visiting students or scientists, serves or served as supervisor or host: 28 hosted
High school students supervised who worked on science projects: 1
Doctoral students at UT, serves or served as dissertation committee member: 56 graduated
Doctoral students at other institutions, serves or served on dissertation committee: 8 graduated
MS students at UT, served as thesis committee member: 9 graduated
BS students, served as honors thesis committee member: 6 graduated
Positions of former PhD student advisees: **Lindsey Gulden** (Ph.D., 2009; Staff Data Scientist, Indigo Agriculture), Enrique Rosero (Ph.D., 2009, Lead Data Scientist, National Grid), Cedric David (Ph.D., 2009, Scientist, Jet Propulsion Laboratory/California Institute of Technology), **Xiaodan Guan** (Ph.D., 2013,

Professor, Lanzhou University), **Mingjie Shi** (Ph.D., 2013, Earth Scientist, PNNL), Ahmad Tavakoly (Ph.D., 2014, Research Hydraulic Engineer, US Army Engineer Research and Development Center), Xitian Cai (Ph.D., 2015, Associate Professor, Sun Yat-sen University), **Yongfei Zhang** (Ph.D., 2015, Associate Research Scholar, Princeton University), Yonghwan Kwon (Ph.D., 2016, Scientist, Korea Institute of Atmospheric Prediction Systems), Sagar Parajuli (Ph.D., 2016, Research Scientist, California Air Resources Board), **Xiaolu Ling** (Ph.D., 2016, Associate Professor, China University of Mining and Technology), **Maryia Halubok** (Ph.D., 2018, Program Manager, Canadian Standards Association), **Peirong Lin** (Ph.D., 2018, Assistant Professor, Peking University), **Wen-Ying Wu** (Ph.D., 2021, Research Associate, Lawrence Livermore National Laboratory), **Mengyao Guo** (Ph.D. 2022, Postdoc, Peking University), **Wenli Fei** (Ph.D., 2023, Research Associate, Institute of Applied Ecology, Chinese Academy of Sciences, Shenyang, China), Kwun Yip (Samuel) Fung (Ph.D., 2023, Postdoc, Hurricane Research Division, NOAA), **Sabiha Tabassum** (Ph.D., 2023, Water Resources Engineer, WSP USA), Jagger Alexander (Ph.D., 2025, Kaiser Permanente Bernard J. Tyson School of Medicine), Mahmoud Mbarak (Ph.D., 2025), **Xinxin Sui** (Ph.D., 2025, NCAR), Harsh Kamath (Ph.D., 2026, NOAA)

Recognition and Awards to former student advisee (not all included): AMS Best Student Presentation (3), AGU Horton Research Grant (1), AGU OSPA (2), DHS Fellowship (1), NASA Fellowship (3), NSF Fellowship (1), NOAA Fellowship (1), UT-Austin or JSG Fellowship (9), NCAR Fellowship (5), JSG Outstanding Teaching Assistant (3)

Professional and Public Service

Committee Membership in Professional Societies: American Meteorological Society Hydrology Committee (2024–present), AMS Fellows Committee (2026–present); UCAR Membership Committee (October 2022–present); International Advisory Board, MODSIM2023, Australia (9–13 July, 2023); NOAA United Forecast System (UFS) Land Working Group Steering Committee (2020–present); Wyoming EPSCoR External Advisory Committee (2013–2016); Co-Chair, NCAR Community Climate System Model (CCSM) Land Working Group (2008–2013); Chair/organizer of numerous sessions at the AMS and AGU meetings and other professional meetings; Founding Director, The Center for Integrated Earth System Science (2011–2020)

Editorial Service: Editor in Chief, Water and Climate Section in *Water* (2021–present); Associate Editor, *Journal of Geophysical Research: Atmospheres* (2020–present); Editor, *Advances in Atmospheric Sciences* (2020–present); Editorial Board, Environmental Modeling and Software (2011–2018); Guest Editor, *Climatic Change* SI "Decadal Scale Drought in Arid/Semi-Arid Regions" (2015–2017); Editor, Journal of Meteorological Research (2014–present); Guest Editor, Climatic Change SI "Regional Earth System Modeling & Analysis" (2013)

Manuscript Reviewer: 40+ different journals including *Science*, *Nature*, *PNAS*, *Science Advances*, *Nature Communications*, *Water Resources Research*, *Journal of Geophysical Research–Atmospheres*, *Geophysical Research Letters*

Proposal Reviewer and Panel Member: National Science Foundation (Climate Dynamics, Hydrologic Sciences; CAREER); Department of Energy (Biological and Environmental Research, Early Career Grants); National Aeronautics & Space Administration (Water Management, Land-surface Hydrology, Young Investigators); National Oceanic & Atmospheric Administration (Global Energy and Water Cycle Experiment, Office for Global Change); Netherlands Organization for Scientific Research (Earth and Life Sciences); Hong Kong Research Grants Council (Water and Environmental Science); Natural Sciences and Engineering Research Council of Canada (Discovery Grant); NCAR's Computational and Information Systems Laboratory (CISL) HPC Allocation Panel; UT-Austin VPR Research & Creative Grants

Educational Outreach and Science Communication: numerous lectures in public venues and state/local communities; numerous interviews for newspapers and TV programs, including in developing countries

Invited Lectures: 230+ invited lectures, seminars, and talks have been given worldwide since 1995.