



105TH ANNUAL
MEETING
12–16 JANUARY
NEW ORLEANS & ONLINE
AMERICAN METEOROLOGICAL SOCIETY

The Award for Early-Career Professional Achievement

Annareli Morales

Air Quality Policy Analyst, Weld County Department of Public Health
and Environment, Greeley, CO

For advancing knowledge in mountain meteorology and highlighting the participation of Hispanic and Latinx communities in science and service throughout the Society



Dr. Annareli Morales is an Air Quality Policy Analyst for Weld County Department of Public Health and Environment. Previously, she was a researcher at CIRES and Postdoctoral Fellow at NSF NCAR's Advanced Studies Program. She has researched precipitation over mountains, physical processes involved with cloud and precipitation development, atmospheric rivers, cold-season large-scale weather patterns, circulations associated with extreme precipitation, and bilingual science communication. Annareli is passionate about health literacy, civic engagement, language accessibility, and neurodivergence.

The Max A. Eaton Student Prize

Kuan-Yu Lu

Postdoc Researcher, Stony Brook University, Stony Brook, NY

For their paper “The Structure of a Tropical Cyclone Seed Vortex Affects Its Persistence and Genesis Potential”



Kuan-Yu Lu, Ph.D., is a postdoctoral researcher in the School of Marine and Atmospheric Sciences at Stony Brook University. His research focuses on the impact of planetary Rossby wave drag on tropical cyclone size and the development of tropical cyclone seeds. He has recently dedicated himself to investigating tropical cyclone seed behavior and tropical cyclone frequency across different GCMs. He received his B.S. and M.S. with honors in atmospheric science from National Taiwan University and his Ph.D. in atmospheric science from Purdue University.

The Clarence Leroy Meisinger Award

Hannah M. Christensen

Associate Professor, University of Oxford, Oxford, UK

For fundamental research and leadership in understanding and quantifying forecast uncertainty in weather and climate models



Hannah Christensen is an associate professor in the Department of Physics, University of Oxford and the David Richards Fellow at Wadham College, Oxford. She holds a Leverhulme Trust Research Leadership Award. She was a NERC Independent Research Fellow at Oxford, and an ASP Postdoctoral Fellow at NCAR. She was in the inaugural class of the AMS Early Career Leadership Academy. Hannah is interested in atmospheric modelling and prediction, with a key focus on uncertainty quantification.

The Henry G. Houghton Award

Nadir Jeevanjee

Research Physical Scientist, GFDL, Princeton, NJ

For providing robust and comprehensive theoretical frameworks to illuminate complex phenomena in climate physics



Nadir Jeevanjee is a staff scientist at the Geophysical Fluid Dynamics Laboratory (GFDL) in Princeton, NJ. He studies the physics of clouds, radiation, and climate, using a hierarchy of approaches ranging from pencil-and-paper theory to comprehensive computer simulations. Prior to GFDL he held post-doctoral positions at Princeton University, in their Geosciences department and AOS program, and earned a PhD in physics in 2016 from UC Berkeley.

The Nicholas P. Fofonoff Award

Dhruv Balwada

Lamont Assistant Research Professor, LDEO, Columbia University, Palisades, NY

For fundamental work characterizing tracer transport and energy transfers between mesoscale and submesoscale ocean flows



Dhruv Balwada is an assistant research professor at the Lamont Doherty Earth Observatory of Columbia University. He received his PhD in oceanography and geophysical fluid dynamics from Florida State University in 2016. His research is focused on observations and modeling of mesoscale and submesoscale turbulence in the ocean, and how this impacts transport, ventilation, and the larger scale ocean circulation and climate.

The Walter Orr Roberts Lecturer in Interdisciplinary Sciences

Ning Lin

Professor, Princeton University, Princeton, NJ

For pioneering physics-based weather risk analysis by integrating state-of-the-art weather and risk modeling to understand hurricane hazards under climate change



Ning Lin is a professor of civil and environmental engineering at Princeton University, where she is affiliated with Department of Geosciences and School for Public and International Affairs. Lin integrates science, engineering, and policy to study hurricane-related weather extremes (winds, rainfall, storm surges, and compounding sea-level rise and heatwaves), how they change with the changing climate, and how their impact on society can be better mitigated. Lin is the founding Editor-in-Chief of *npj Natural Hazards*.

The Robert E. Horton Lecturer in Hydrology

Jessica D. Lundquist

Professor, University of Washington, Seattle, WA

For outstanding contributions to mountain hydrology, by significantly closing the gap between basic and applied research to enhance resilience in mountainous regions



Jessica Lundquist is a professor of civil and environmental engineering at the University of Washington. Her research focuses on spatial patterns of snow and weather in the mountains and how those patterns are likely to affect water resources. Jessica has a B.S. in atmospheric sciences from UC Davis and a Ph.D. in oceanography from UC San Diego. Her awards include AGU Cryosphere Young Investigator (2008), AGU Ambassador (2024), and AGU Fellow (2024).

The Bernhard Haurwitz Memorial Lecturer

Simona Bordoni

Professor, University of Trento, Trento, Italy

For groundbreaking work and numerous contributions to understanding the dynamics of monsoons in the present and changing climates



Simona Bordoni is Professor of atmospheric physics at the University of Trento, Italy. From 2009 to 2019, she was first Assistant and then Professor of Environmental Science and Engineering at the California Institute of Technology. She received her PhD from UCLA in 2007. Her research focuses on the interplay between atmospheric circulations and surface climate in areas that are extremely sensitive to global warming, such as the Mediterranean and monsoon regions.

The Louis J. Battan Author's Award, K-12



Jilanne F. Hoffmann

Author, San Francisco, CA

Jilanne Hoffmann is a former industrial engineer turned freelance writer and children's book author. For adults, she's written about health, medicine, and environmental justice. Her children's books focus on the environment, nature, and how we're all connected on this tiny blue planet. The Ocean's Heart, her picture book about zooplankton's global nightly migration, is forthcoming from Lerner in 2026. Heartland, a novel set in Iowa's environmentally-toxic landscape, is forthcoming from Little Brown, also in 2026.

For "A River of Dust: The Life-Giving Link Between North Africa and the Amazon", which illuminates the interconnected influence of Saharan dust on weather, climate, and diverse cultures in the Americas and Africa, brought to life by vibrant illustrations



Eugenia Mello

Illustrator, Artist, Brooklyn NY

Eugenia Mello is an award-winning illustrator and art director from Buenos Aires, Argentina based in Brooklyn, NY. She is always trying to spark music out of her images. Her illustrations have been commissioned for projects with renowned companies and organizations such as Planned Parenthood, Apple, UPS, Patagonia, the NYT, and the Guggenheim Museum. Her rhythmic and colorful artwork has garnered recognition from prestigious arts institutions including the Society of Illustrators of New York, Communications Arts, American Illustration, and The Art Director's Club (ADC) of New York. Awards include Gold and Silver medals from the NY Society of Illustrators, as well as a Silver Cube from the ADC which she won for 'Moving' a Picture Book she authored and illustrated. She teaches illustration at the School of Visual Arts and Queens College.

Editor's Award - Bulletin of the American Meteorological Society

Patrick M. Alexander

Associate Research Scientist, LDEO, Columbia University, Palisades, NY

For a series of outstanding and insightful reviews with exceptional attention to detail



Patrick Alexander is an associate research scientist at the Lamont-Doherty Earth Observatory of Columbia University. His research utilizes climate model simulations, remote sensing data, and field measurements to understand how the earth system evolves in a changing climate, with a focus on the cryosphere. Patrick earned his BS and MS in environmental engineering from Columbia University and his doctorate from the Graduate Center of the City University of New York.

Editor's Award - Journal of Hydrometeorology

Noah Brauer

Research Scientist, CIRES, NOAA/NWS Weather Prediction, Denver, CO

For providing high-quality, objective, and timely reviews



Noah Brauer is a Research Scientist with the Cooperative Institute for Research in Environmental Sciences and the NOAA/Weather Prediction Center who focuses on transitioning precipitation research into operational forecasting tools. Noah received his PhD (2022) and Master's (2019) in meteorology from the University of Oklahoma that focused on radar observations of precipitation and microphysics in tropical cyclones. During this time, Noah was also awarded a NASA FINESST grant to fund his PhD studies.

Editor's Award - Journal of Applied Meteorology and Climatology

William Y. Y. Cheng

Project Scientist II, NCAR, Boulder, CO

For providing timely and rigorous evaluations over a wide range of subjects and insightful recommendations that helped improve the final outcomes



William Y. Y. Cheng is a Project Scientist II at the National Security Applications Program within the Research Applications Laboratory in the NSF National Center for Atmospheric Research. Will received his Ph.D. in atmospheric science at Colorado State University. He has worked as a research assistant professor at University of Utah, research scientist at Colorado State University and Spire Global Inc. His research interests include mesoscale convective systems, numerical modeling, regional climate reanalysis, air quality, and machine learning.

Editor's Award - Weather and Forecasting/Monthly Weather Review

Jeffrey D. Duda

Research Scientist, CIRES, University of Colorado, Boulder, CO

For providing extremely thorough, constructive, and timely reviews of numerous manuscripts



Jeff is a research meteorologist who specializes in developing convective-scale NWP models. In particular, he implements novel forecast verification approaches to assess model performance. He also works on data assimilation and ensemble forecast design. In his spare time he loves hiking the 14ers of Colorado.

Editor's Award - Journal of Atmospheric and Oceanic Technology

Eric Firing

Professor Emeritus, University of Hawaii at Manoa, Honolulu HI

For thorough, excellent, and constructive reviews



Eric Firing is a professor emeritus in the Oceanography Department, University of Hawaii at Manoa. His interests in physical oceanography range from the general circulation to mechanisms of mixing, and include basic geophysical fluid dynamics, numerical modeling, and observations. The richness of ocean current structure as seen in ocean current profile measurements has been a source of pleasure throughout his career.

Editor's Award - Journal of the Atmospheric Sciences

Young-Ha Kim

For providing timely, thoughtful, and thorough reviews

Associate Research Professor, Seoul National University, Seoul, South Korea



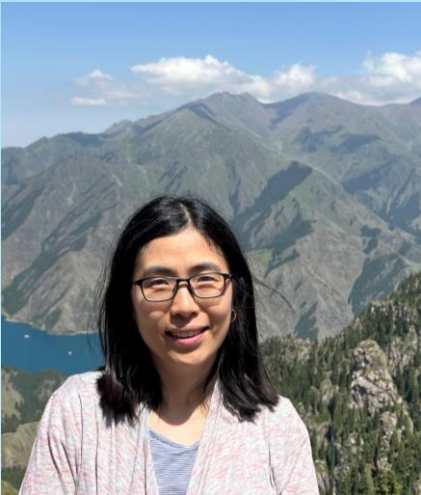
Dr. Young-Ha Kim is an associate research professor at the Research Institute of Basic Sciences, Seoul National University. After receiving his Ph.D. in atmospheric science from Yonsei University in 2014, he worked at Ewha Womans University in South Korea and Goethe University Frankfurt in Germany. His research focuses on the dynamics of atmospheric waves and their interactions with large-scale flows, with a particular interest in gravity wave processes and the quasi-biennial oscillation.

Editor's Award – Monthly Weather Review

Lili Lei

Professor, Nanjing University, Nanjing, China

For providing timely, thoughtful reviews across a variety of challenging topics



Lili Lei is a professor and vice dean at the School of Atmospheric Sciences, Nanjing University. Her research interests include data assimilation and its applications in weather and climate, the integration of data assimilation with machine learning, and atmospheric predictability. She serves as a member of the WWRP Working Group on Data Assimilation and Observing Systems, and as an associate editor for MWR, JAMES, and ASL.

Editor's Award - Journal of Climate

Nathan Lenssen

Teaching Assistant, Colorado School of Mines, Golden, CO

For a large number of high-quality and thorough reviews



Dr. Nathan Lenssen is a teaching assistant professor in Applied Mathematics and Statistics at Mines. His research sits at the intersection between atmospheric and oceanic physics and applied statistics. He is currently a project scientist at the National Center for Atmospheric Research (NCAR), an associate editor of the *Journal of Climate*, and a member of the NASA GISS Surface Temperature Analysis (GISTEMP) science team. At Mines, he teaches statistics with an emphasis of how statistics can be used to answer questions about the world.

Editor's Award - Weather, Climate, and Society

Veronica Makuvaro

Chair and Senior Lecturer, Midlands State University, Gweru, Zimbabwe

For providing a series of thoughtful, comprehensive, and constructive reviews for an unusual paper



Veronica Makuvaro holds a PhD in agricultural meteorology. She is a senior lecturer and head of the Agronomy and Horticulture department at Midlands State University in Zimbabwe. Teaching, research, innovation and community engagement are her core business. Her research areas of interest include agronomy, climate change adaptation and mitigation, resilience building to climate change and smallholder agriculture. She has provided consultancy services in climate change resilience building programmes, under the Zimbabwe Resilience Building Fund.

Editor's Award - Journal of Physical Oceanography

Christopher L. Pitt Wolfe

Associate Professor, Stony Brook University, Stony Brook, NY

For many thoughtful, helpful, and concise reviews, including of some particularly difficult manuscripts



Christopher Wolfe is an associate professor in the School of Marine and Atmospheric Sciences at Stony Brook University. He received a B.S. from The Evergreen State College in Washington State, an M.S. in physics from Indiana University, and a Ph.D. in physical oceanography from Oregon State University. His research focuses on the meso- and large-scale circulation of the ocean and the role of the ocean in climate, often using idealized models and process studies.

Editor's Award - Journal of Climate

Ingo Richter

Deputy Group Leader, Japan Agency for Marine-Earth Science and Technology, Kanagawa, Japan

For insightful and constructive reviews on rapid timelines



Ingo Richter is a senior scientist at the Japan-Agency for Marine-Earth Science and Technology in Yokohama, Japan. He received his PhD in atmospheric sciences from the University of California at Los Angeles, and worked as postdoc at the University of Hawaii at Manoa, before moving to Japan. His research interests include large-scale air-sea interaction in the tropics and climate model evaluation. He is a co-chair of the CLIVAR Research Focus on Tropical Basin Interaction.

Editor's Award - Bulletin of the American Meteorological Society

Stephen M. Strader

Associate Professor, Villanova University, Villanova, PA

For consistently providing thoughtful, critical, and constructive reviews



Stephen M. Strader is a hazards geographer, atmospheric scientist, and geographic information systems (GIS) analyst with interests in natural hazards and societal impacts, severe and local storms, and geospatial science applications in hazards and disaster research. His research is primarily concentrated on historical and potential future spatiotemporal changes in hazards and disasters such as tornadoes, hail, flooding, wildland fires, and tropical cyclones.

Editor's Award - Journal of Physical Oceanography

Varvara E Zemskova

Assistant Professor, University of Waterloo, Waterloo, ON, Canada

For providing insightful reviews on a wide variety of topics ranging from global ocean circulation to interactions of internal waves with topography



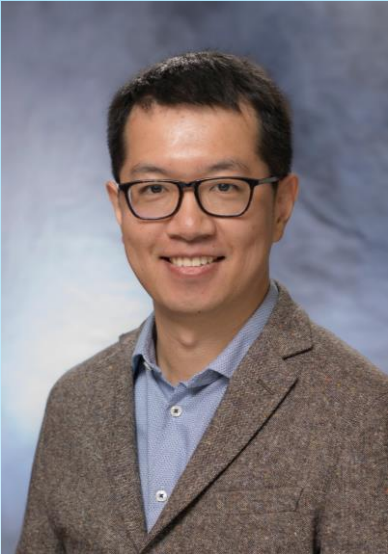
Varvara Zemskova is an assistant professor in the Department of Applied Mathematics at the University of Waterloo. Before joining the University of Waterloo, she was a postdoctoral fellow at the University of Toronto and then a research associate at Oregon State University. Her research focuses on the application of computational fluid dynamics and machine learning methods to study ocean circulation and climate. Specifically, she is interested in flow-topography interactions, internal waves, ocean turbulence, and ocean carbon storage.

Editor's Award - Journal of Climate

Gan Zhang

Assistant Professor, University of Illinois Urbana-Champaign, Urbana, IL

For a large number of rapid and thoughtful reviews



Gan Zhang is an assistant professor in the Department of Climate, Meteorology, and Atmospheric Sciences at University of Illinois Urbana-Champaign. He holds M.S. and Ph.D. degrees from the same department and built his research portfolio at NOAA's Geophysical Fluid Dynamics Laboratory, Princeton University, and Citadel Commodities. His research focuses on predicting and modeling high-impact weather extremes (e.g., hurricanes) amidst the changing climate. Dr. Zhang also serves as an associate editor for the *Journal of Climate*.

Editor's Award - Monthly Weather Review

Yunji Zhang

Assistant Professor, Pennsylvania State University, University Park, PA

For timely, thorough, and insightful reviews and support in making difficult editorial decisions



Dr. Yunji Zhang is an assistant professor in the Department of Meteorology and Atmospheric Science at Pennsylvania State University. He received a B.S. in atmospheric science and a Ph.D. in meteorology from Peking University in China. His research looks at the dynamics and predictability of convectively driven severe weather and associated hazards, and how data assimilation can enhance our capability to accurately predict and better mitigate them.

The Robert H. and Joanne Simpson Mentorship Award

Eve Gruntfest

Professor Emerita, Social Science Woven Into Meteorology,
University of Oklahoma, Norman, OK

For building a community of hundreds of social and physical scientists across the enterprise who continue to collaborate and mentor younger generations



Dr. Eve Gruntfest is co-founder of the Weather and Society * Integrated Studies (WAS* IS) program. She led the Social Science Woven into Meteorology Program (SSWIM) at the University of Oklahoma and she wrote the textbook Weather and Society: Toward Integrated Approaches. She's an expert in the areas of warning systems, flash flooding and integrating social science into atmospheric science. Her passion is mentoring future socio-meteorologists.

The Edward N. Lorenz Teaching Excellence Award

Martin A. Baxter

Professor, Central Michigan University, Mt. Pleasant, MI

For selfless dedication and persistence to teaching and mentoring, tireless advocacy and support for all students, and innovative strategies for preparing students for any career path



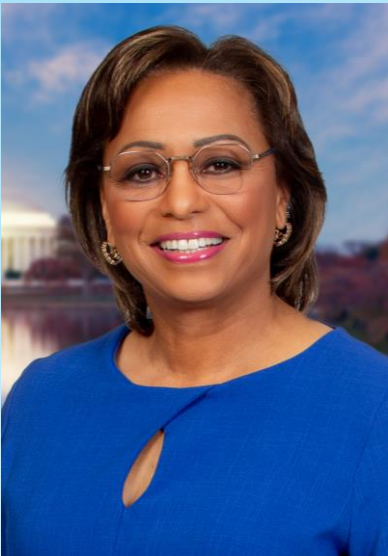
Dr. Marty Baxter earned a B.S. in atmospheric science from the University of Missouri, and M.S. and Ph.D. degrees in meteorology from Saint Louis University. He has taught synoptic meteorology and forecasting at Central Michigan University since 2006, and has helped develop a curriculum that serves a variety of student interests. His research focuses on improving forecasts of precipitation. He has enjoyed mentoring numerous students who have achieved success in research, broadcasting, and forecasting.

The June Bacon-Bercey Award for Broadcast Meteorology

Veronica Johnson

Chief Meteorologist, WJLA-TV ABC 7 News, Rosslyn, VA

For significant contributions through her 37-year career, including accurate and reliable forecasting, activities to promote equity and inclusion, and ongoing community engagement and mentoring



Veronica Johnson joined 7News in June 2016. Johnson was promoted to chief meteorologist of the station making her the first woman and Black woman to hold this position in the station's 75-year history. She served as Chair of the American Meteorological Society's Board of Enterprise Communication where she facilitated science information between researchers, academia, government, and public sector groups. She was the emcee for Senator Barack Obama's Special Task Force on Climate Change in 2007 and worked on Washington, D.C.'s Joint Center Advisory Committee on Climate Change 2008-2013. Johnson holds a degree in atmospheric science from the University of North Carolina at Asheville.

The Award for Excellence in Science Reporting by a Broadcast Meteorologist **Deborah J. Martorell**

Associate Professor, University of Oklahoma, OK

For visually compelling stories spanning diverse subjects from local environmental impacts to astronomy, with extensive research and sourcing to produce consequential content on multiple platforms



Deborah is a journalist, broadcast meteorologist, science reporter and climate change advocate from San Juan, Puerto Rico with over 30 years of experience. She is the Chief Meteorologist for Teleonce, NotiUno and El Nuevo Día, and an 8-time Emmy Award winner, including a Silver Circle Emmy Honoree. Deborah founded the climate change NGO "Proyecto Acción Climática" and is a NOAA Weather-Ready Nation Ambassador, as well as a NASA JPL Solar System Ambassador. She received the 2020 AMS Award for Excellence in Science Reporting and holds degrees from the University of Puerto Rico and Mississippi State University. Deborah is a devout wife and mother of 2 daughters, with whom she shares her passion for the sea and space.

The Award for Distinguished Science Journalism in the Atmospheric and Related Sciences

**Sarah Kaplan, Bonnie Jo Mount, Simon Ducroquet,
Frank Hulley-Jones and Emily Wright**

For in-depth, innovative reporting that explores global impacts of climate change and highlights how paleoclimate research helps humanity prepare for a warmer future

Special Award



Cameron J. Nixon

Research Scientist, CIWRO/SPC

Dr. Cameron Nixon is a research scientist with the Storm Prediction Center and CIWRO in Norman, Oklahoma. He develops new forecast tools and practices to support operational meteorologists, and collaborates frequently with a variety of forecast offices and universities to share new research into the prediction of tornadoes and large hail. He specializes in the environmental conditions of severe storms (especially hailstorms) — in particular, the wind shear profile (hodograph) and storm interactions.

For significant contributions to improving forecasts of severe storms through improved visualization and utilization of web-based hodographs



Timothy A. Supinie

Techniques Development Meteorologist, NCEP

Tim Supinie grew up in Wichita, KS and became fascinated with weather, including severe convective storms and tornadoes. He went on to earn a B.S., M.S., and Ph.D. from the University of Oklahoma focusing on storm-scale numerical weather prediction and data assimilation. While a graduate student, he also developed software tools to aid severe storms forecasting and has continued working on web-based visualization tools for numerical model output.

Local AMS Chapter of the Year

Blue Ridge Chapter of the AMS



For an unwavering pursuit in the professional development of members and a dedication to communities in Virginia through service, education and awareness for meteorology and climatology

Local Student Chapter of the Year

Texas A&M Student Chapter of the American Meteorological Society (TAMSCAMS) of the AMS



For serving their members, the community, and the AMS at large through diversifying professional development, dedication to outreach, and community building opportunities

The Award for an Exceptional Specific Prediction

**Thomas T. Lindley and NWS Amarillo, TX,
NWS Norman, OK, Oklahoma Forestry Services,
and
Texas A&M Forest Services**



For collaborative issuance of life-saving fire warnings and wind shift forecasts during the disastrous Texas Panhandle and western Oklahoma fires in February 2024

The Henry T. Harrison Award for Outstanding Contributions by a Consulting Meteorologist **Lee E. Branscome**

President, Climatological Consulting Corporation, North Palm Beach Gardens, FL

For brilliantly fulfilling the demand for weather and climate effects on business activities, and for distinguished contributions as researcher, professor, and volunteer in the field



Lee Branscome is president of Climatological Consulting Corporation, specializing in forensic meteorology and weather and climate risk analysis for businesses, investment companies and public agencies. He has testified in dozens of U.S and foreign courts. He is a Certified Consulting Meteorologist and has served as chair of the CCM Board. After teaching at the University of Miami, Lee formed a company that conducted federally-sponsored research and data, field and modeling studies for private businesses.

The Charles Franklin Brooks Award for Outstanding Service to the Society

Alice K. DuVivier

Project Scientist II, NSF/NCAR, Boulder, CO

For exceptional organization and creative leadership for the Polar Meteorology and Oceanography community



Dr. Alice DuVivier is a polar climate scientist at the U.S. National Science Foundation National Center for Atmospheric Research. Dr. DuVivier uses climate models and observations to investigate the changing climate in the Arctic and Antarctic and how the change will affect natural systems and the people living and working in these regions. She also enjoys communicating about climate and polar science in novel ways and to all types of audiences.

The Cleveland Abbe Award for Distinguished Service to the Atmospheric and Related Sciences

James Kinter

Professor and Director, George Mason University, Fairfax, VA

For scientific leadership in Earth system modeling, predictability and seasonal forecasting, and service to the operational forecasting and high performance computing communities



Dr. Jim Kinter is a professor, Director of COLA, and Director of the Virginia Climate Center (VCC) at George Mason University. He earned his Ph.D. at Princeton University in 1984 and has served as a National Research Council Associate at NASA and as a faculty member of the University of Maryland. He is a Fellow of the American Meteorological Society and a member of the Virginia Academy of Science, Engineering, and Medicine.

The Charles E. Anderson Award

Reginald Blake

Associate Provost and Dean of Curriculum and Research,
New York City College of Technology, Brooklyn, NY

For being a selfless champion of BIPoC students, an inspiring mentor, and a treasured colleague who enriches DEI/J efforts in the atmospheric sciences



Dr. Blake is a climate scientist who has served three consecutive terms on the New York City Panel on Climate Change. In July 2018, the White House Office of Science and Technology Policy and the National Science Foundation awarded him the highly prestigious Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring, and for the past twenty years, he has been the Director of his institution's STEM-designated Black Male Initiative program.

The Kenneth C. Spengler Award

Steven A. Root, CCM

Senior VP, Strategic Initiatives, AccuWeather, Inc. Edmond, OK

For outstanding leadership in creating understanding and partnership among the three sectors of the weather enterprise and for overall contributions to its growth



Steven Root, AccuWeather's SVP of Strategic Initiatives, has pioneered meteorological applications serving consumers, businesses and governments for decades. He has co-invented forty patents, and supported renewable wind, geo-thermal and solar projects. President of the American Weather and Climate Industry Association, Steve has earned BS/MS degrees from the University of Utah, is a CCM and Fellow of the AMS, and recipient of their Award for Outstanding Contribution to the Advance of Applied Meteorology, and the Henry T. Harrison Award for Outstanding Contributions by a Consulting Meteorologist.

The Joanne Simpson Tropical Meteorology Research Award

Matthew C. Wheeler

Senior Principal Research Scientist & Team Leader,
Bureau of Meteorology, Melbourne, Australia

For groundbreaking contributions to observational and theoretical understanding of equatorial waves and the MJO, advancing research and operational applications



Matt is the leader of the Seasonal Climate Processes team at the Australian Bureau, where he has worked since 2000. His Ph.D. was from the University of Colorado in 1998, with the thesis "Convectively-Coupled Equatorial Waves", conclusively linking satellite observations of clouds with the theoretical equatorial waves. His work on the Madden-Julian oscillation led to the world-wide adoption of the Realtime Multivariate MJO index. Matt has been a member of the AMS for 30 years.

The Syukuro Manabe Climate Research Award

Natalie M Mahowald

Irving Porter Church Professor of Engineering, Chair, Department of Earth and Atmospheric Sciences, Cornell University, Ithaca, NY

For revealing biogeochemical feedbacks on climate using Earth System Models to interpret observations and predict global and regional impacts



Mahowald was trained as an atmospheric scientist, and now works more as an Earth system scientist, looking at feedbacks in the earth system. Mahowald conducted her postdoctoral research at Stockholm University in Sweden prior to holding a faculty position at the University of California, Santa Barbara from 1998-2002. She then spent five years as a scientist at the National Center for Atmospheric Research (NCAR) before joining Cornell as a faculty member in 2007. She has served as a Lead author on 2 Intergovernmental Panel on Climate Change reports, and is currently serving as Chair of the Department of Earth and Atmospheric Science at Cornell University.

The Helmut E. Landsberg Award

Jorge E. Gonzalez-Cruz

SUNY Empire Innovation Professor, University at Albany, Albany, NY

For using modeling and observations to create societally significant contributions to our understanding of urban climate and landuse impacts in coastal California



Prof. González-Cruz is the SUNY Empire Innovation Professor at the University of Albany of Atmospheric and Environmental Sciences. He earned his Doctorate and Bachelor's degrees in Mechanical Engineering from the Georgia Institute of Technology and from the University of Puerto Rico-Mayagüez, respectively. He teaches and conducts research in urban energy sustainability and resiliency, urban weather and climate, and regional climate modeling and analysis. He is a Former Vice-Chairman of the AMS Board on the Urban Environment and is the Founding Editor of *ASME Journal of Engineering for Sustainable Buildings and Cities*.

The Award for Outstanding Achievement in Biometeorology

Tilden P. Meyers

Associate Professor, University of Oklahoma, OK

For developing innovative methodologies to study surface-atmosphere exchanges of mass, energy and momentum



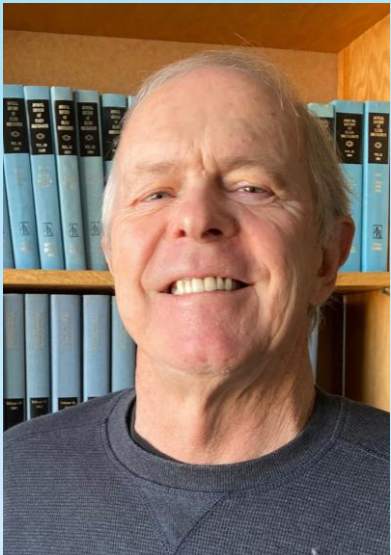
Tilden Meyers (Ph.D Purdue University 1985) is a NOAA senior scientist with the Air Resources Laboratory and works in Boulder, Colorado. His current interests include both the measurement and modeling of turbulence, energy and carbon fluxes and the interactions of these fluxes between the land surface and boundary layer with an overall goal to improve the representation of the earth surface and boundary layer interactions in both weather and climate models for hydrologic prediction and to advance fire weather forecasts

The Award for Outstanding Contributions to Boundary-Layer Meteorology

Peter P. Sullivan

Senior Scientist, NCAR, Boulder, CO

For pioneering work in developing highly reliable large eddy simulations for innovative applications to the atmospheric and oceanic boundary layers and air-sea interactions



Peter Sullivan, Ph.D. is Senior Scientist in the Mesoscale and Microscale Meteorology Laboratory at the NSF National Center for Atmospheric Research. Dr. Sullivan's research focuses on turbulence in the atmospheric and oceanic boundary layers, air-sea interaction, and subgrid-scale modelling. He uses large-eddy and direct numerical simulations on supercomputer platforms to conduct fundamental process studies, and in the past was part of a team carrying out surface layer measurements to quantify subgrid-scale variables that appear in large-eddy simulation.

The Jagadish Shukla Earth System Predictability Prize

Xuguang Wang

Director of CADRE, Robert Lowry Chair, University of Oklahoma, Norman, OK

For outstanding contributions to both theoretical development and operational implementation of novel data assimilation methods that have enhanced predictability of global, hurricane, and convective-scale models



Dr. Xuguang Wang is a Robert Lowry Chair Professor, Presidential Research Professor, and Director of Consortium for Advanced Data Assimilation Research and Education (CADRE). Her research focuses on the theoretical development of novel data assimilation and ensemble prediction methods, and their operational implementation to improve global, hurricane, and convective-scale numerical prediction. She has advised numerous graduate students and postdocs, and received the NASA New Investigator Award and AMS WAF Distinguished Scientific or Technological Accomplishment Award.

The Warren Washington Research and Leadership Medal

Chidong Zhang

Oceanographer, NOAA Pacific Marine Environmental Laboratory, Seattle, WA

For elucidating critical phenomena of the coupled atmosphere-ocean system, especially the Madden-Julian Oscillation, through innovative research and exceptional leadership of international observational programs



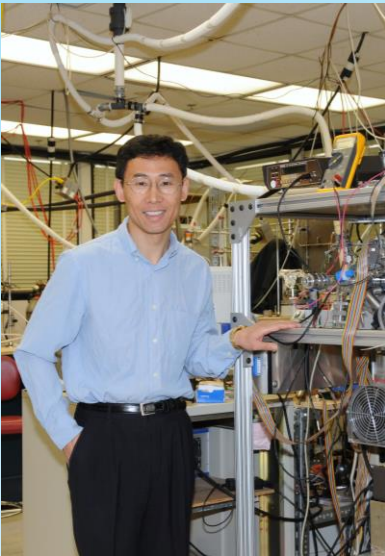
Chidong Zhang's research has covered a variety of subjects, including the Madden-Julian Oscillation and its interaction with ENSO, tropical shallow meridional circulation, and monsoon variability. He is currently working with his federal, academic and industrial collaborators, as well as undergraduate and graduate interns to explore how new technologies of uncrewed systems can be effectively applied to fill observational gaps, particularly for extreme events and the air-sea transition zone.

The Jule G. Charney Medal

Renyi Zhang

Professor, Texas A&M University, College Station, TX

For exceptional contributions and exemplary leadership in advancing understanding of atmospheric chemical and physical mechanisms influencing air pollution, weather extremes, climate, and public health



Renyi Zhang is University distinguished professor and James R. Whatley Jr. '47 Chair in the Department of Atmospheric Sciences at Texas A&M University. He earned a Ph.D. from MIT, and his research has provided critical insight into air pollution, climate change, stratospheric ozone depletion, and COVID-19 pandemic. He chaired the AMS committee on Atmospheric Chemistry and served as editor for *Journal of the Atmospheric Sciences*. He is an elected fellow of AAAS, AGU, and AMS.

The Sverdrup Gold Medal

Wenju Cai

Honorary Fellow, Ocean University of China, Qingdao, China

For exceptional and sustained contributions to understanding of ocean and atmosphere interactions in climate responses to global warming



Elected fellow of Australia Academy of Science, fellow of American Geophysical Union, and fellow of American Meteorological Society (AMS), Dr Wenju Cai studies tropical climate variability, Southern Ocean processes, and their changes under greenhouse warming. His service to scientific communities includes contributing authorship to IPCC reports, co-Chair of World Climate Research Programme CLIVAR Pacific Panel, and co-Chair of the CLIVAR Scientific Steering Group.

The Verner E. Suomi Technology Medal

Dennis Baldocchi

Distinguished Professor of Biometeorology,
University of California, Berkeley, Berkeley, CA

For pioneering work estimating surface-atmosphere exchanges, leadership in establishing global flux networks for terrestrial biomes, and exemplary collaboration with scientists around the world



Dennis Baldocchi is a Professor of Biometeorology and Executive Associate Dean in the Rauser College of Natural Resources at the University of California, Berkeley. His research focuses on water, carbon dioxide and methane exchange between ecosystems (natural and managed) and the atmosphere. He is co-founder of the international FLUXNET project, a recipient of the Prince Sultan Bin Abdulaziz International Water Prize, for Surface Water, a Fellow of the American Geophysical Union and AMS, and a Doctor Honoris Causa from Wageningen University.

The Hydrologic Sciences Medal

Gabriel G. Katul

Professor, Duke University, Durham, NC

For groundbreaking work expanding and advancing the theoretical foundations of the hydrologic cycle and incorporating aspects of atmospheric thermodynamics and plant physiology



Gabriel G. Katul received his B.E. in 1988 at the American University of Beirut (Beirut, Lebanon), his M.S. in 1990 at Oregon State University (Corvallis, OR) and his Ph. D in 1993 at the University of California in Davis (Davis, CA). He currently holds the George Pearsall distinguished Professorship at the Department of Civil and Environmental Engineering at Duke University (Durham, NC). He was elected to the National Academy of Engineering in 2023.

The Henry Stommel Research Medal

Amy S. Bower

Senior Scientist, Woods Hole Oceanographic Institution, Woods Hole, MA

For forging enhanced understanding of the ocean's circulation, dynamics of deep flow pathways, and the meridional overturning



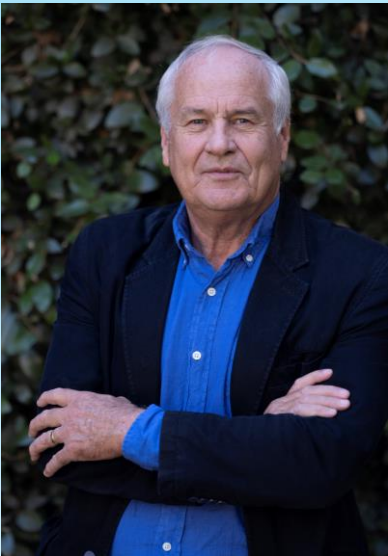
Dr. Amy Bower is a Senior Scientist at the Woods Hole Oceanographic Institution (WHOI) in Massachusetts, where she recently served as chair of the Physical Oceanography Department. She researches the pathways and variability of deep ocean currents in the North Atlantic and Indian Oceans using acoustically tracked floats and other techniques. Amy earned a B.S. in Physics from Tufts University in 1981 and a Ph.D. in Oceanography from the University of Rhode Island in 1988.

The Carl–Gustaf Rossby Research Medal

Graeme L Stephens

Director, Center for Climate Sciences, JPL, California
Institute of Technology, Pasadena, CA

For breakthroughs in understanding how radiation, clouds, and precipitation shape climate system feedbacks by driving the design of innovative Earth observation platforms and their applications



Graeme Stephens career began as a research scientist in Australia followed by an almost 30 year career as a professor and distinguished professor at Colorado State University in the Department of Atmospheric Sciences. Since 2010 has served as Director of the Center for climate sciences as JPL. His research has advanced understanding on topics of atmospheric radiative transfer, Earth observations and remote sensing, and process understanding of climate feedbacks specifically involving moist atmospheric physics.

AMS Fellow

Randy Bass

Owner/President, Bass Weather Services, Waynesboro, VA



Randall Bass owns and operates Bass Weather Services, a consulting company specializing in expert witness testimony, consulting for businesses, and forecasting support. He retired from the Federal Aviation Administration (FAA) in November, 2024. While at the FAA he managed the Aviation Weather Division, leading a \$20M/year program to mitigate the impacts of weather on aviation. Randy is also a retired Air Force weather officer, and he obtained the Certified Consulting Meteorologist designation in 2014.

AMS Fellow

Melissa A. Burt

Associate Professor, Associate Dean for Diversity, Equity, and Inclusion,
Colorado State University, Fort Collins, CO



Dr. Melissa Burt is an Associate Professor and Associate Dean for Diversity, Equity, and Inclusion in the Department of Atmospheric Science and Walter Scott, Jr. College of Engineering at Colorado State University. Her research spans the intersection of atmospheric science and social justice issues. Burt has served on a variety of AMS boards and committees, served on AMS Council, and currently serves as the inaugural chair of the AMS Culture and Inclusion Cabinet.

AMS Fellow

Yi Chao

CEO, Seatrec, Inc., Vista, CA



Yi Chao is the Founder and CEO of Seatrec, Inc. With a Ph.D. from Princeton University, Dr. Chao worked at NASA Jet Propulsion Laboratory and developed the patent-granted technology to harvest energy from the ocean temperature difference and demonstrated the first autonomous profiling float that can be 100% powered by the ocean. Seatrec spunoff from Caltech and launched a commercial product – infiniTETM float to enable ocean data collection at much reduced cost and longer endurance.

AMS Fellow

Michael R. Farrar

Director, National Centers for Environmental Prediction (NCEP),
NOAA/NWS, College Park, MD



Dr. Mike Farrar is a career meteorologist with 27 years of combined military-civilian service in the US Air Force as a commissioned officer (retired as Colonel) and as Chief Weather Scientist. He also served 9 years in NOAA's National Weather Service, most recently as Director of the National Centers of Environmental Prediction. Mike previously held executive positions at STC and UCAR, and served as AMS President in 2021.

AMS Fellow

Katja Friedrich

Professor, University of Colorado, Boulder, CO



With a Ph.D. in Physics from Ludwig-Maximilians-University in Munich, Dr. Friedrich has extensive expertise in atmospheric sciences. She joined the University of Colorado at Boulder in 2008, focusing on cloud formation, precipitation estimation, and forecasting, especially in mountainous regions. Previously, she worked with MeteoSwiss, advancing radar polarimetry applications for severe weather. Her postdoctoral research at CIRES and earlier work with the German Aerospace Center emphasized analyzing complex radar data to improve severe weather understanding and forecasting techniques.

AMS Fellow

Andrew Gettelman

Earth Scientist, Pacific Northwest National Laboratory, Boulder, CO

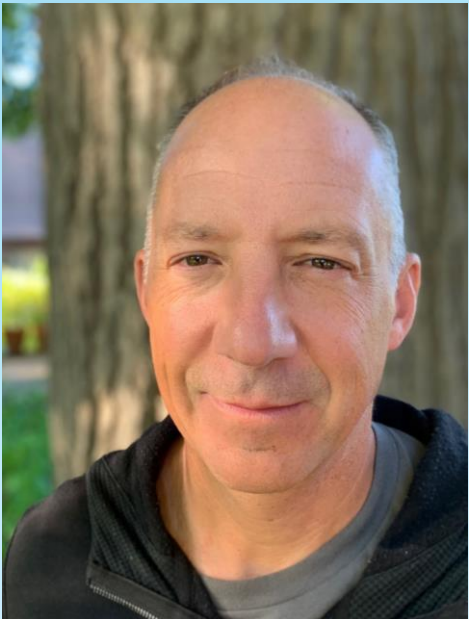


Dr. Andrew Gettelman is an Earth Scientist at the Pacific Northwest National Laboratory specializing in cloud processes. He works to understand critical earth system problems, across chemistry, climate and even weather. He has extensive experience in climate model development and, has served on science teams for satellite and field projects. Dr. Gettelman has a PhD in atmospheric sciences from the University of Washington and a BS in civil engineering from Princeton University.

AMS Fellow

Timothy Griffis

Professor, University of Minnesota, Saint Paul, MN



Tim Griffis is a Professor of Biometeorology in the Department of Soil, Water, and Climate, at the University of Minnesota. He has advanced micrometeorological and isotope techniques to trace the flow of carbon, nitrogen, and water between the land and atmosphere. He has authored over 130 peer-reviewed papers related to carbon, nitrogen, and water cycling in agricultural, forest, and peatland ecosystems. He is a Chief Editor of *Agricultural and Forest Meteorology*.

AMS Fellow

Robert Hart

Sunkist Professor of Meteorology and Department Chair,
Florida State University, Tallahassee, FL



Penn State graduate Robert Hart has supervised 12 Ph.D., 24 M.S., 10 B.S., and 6 H.S. students with now diverse and impactful careers. He is recipient of the AMS Banner Miller Award, and FSU's Graduate Faculty Mentor and Transformation through Teaching Awards. He was Chair for two AMS Conferences and on Editorial Boards for MWR and QJRMS, amongst extensive service. A pioneer of novel meteorology webpages since 1994, he has been known to be fascinated by all cyclones types.

AMS Fellow

Pamela Heinselman

Director of NSSL's Applications and User Engagement Branch,
NOAA National Severe Storms, Laboratory, Norman, OK



Dr. Pamela Heinselman has served as the Director of the Applications and User Engagement Branch at the NOAA National Severe Storms Laboratory (NSSL) since August 2018. Dr. Heinselman has experience conducting research in advanced weather radar technology, severe storm processes, and user engagement to improve forecast applications. Dr. Heinselman has served as an Editor for *Monthly Weather Review* and on several AMS committees. She is also passionate about advancing the next generation of scientists

AMS Fellow

Stephanie C. Herring

Geophysical Sciences Branch Chief, NOAA NCEI, Boulder, CO



Stephanie is the Geophysical Science Branch at NOAA's National Centers for Environmental Information in Boulder, Colorado. She is lead Editor for the BAMS Explaining Extreme Events from a Climate Perspective publication, the chair of the AMS Board on Enterprise Decision Support. She served as a Congressional staffer focusing on climate legislation. She completed her post doctoral research at the National Institutes of Health, a PhD from Yale University, and her undergraduate degree from Swarthmore College.

AMS Fellow

Neil A. Jacobs

UFS Chief Science Advisor, UCAR CPAESS, Boulder, CO



Dr. Neil Jacobs is the Chief Science Advisor for the Unified Forecast System (UFS), at the Cooperative Programs for the Advancement of Earth System Science (CPAESS) at the University Corporation for Atmospheric Research (UCAR). He previously served as both Acting Under Secretary of Commerce for Oceans and Atmosphere and Assistant Secretary of Commerce for Environmental Observation and Prediction at NOAA. His area of expertise is numerical weather prediction with a focus on air-sea interaction.

AMS Fellow

Tristan L'Ecuyer

Professor, University of Wisconsin-Madison, Madison, WI



Tristan L'Ecuyer is a professor of Atmospheric and Oceanic Sciences and director of the Cooperative Institute for Meteorological Satellite Studies (CIMSS) at the University of Wisconsin-Madison. L'Ecuyer utilizes state-of-the-art satellite observations to address open questions in climate science. His group is pioneering new methods for measuring Earth's emission spectrum, quantifying how clouds shape Earth's energy budget, measuring snowfall from space, and documenting the causes of rapid Arctic climate change.

AMS Fellow

Sharanya J. Majumdar

Professor, University of Miami, Miami, FL



Sharanya Majumdar and his research group investigate tropical cyclone predictability, including genesis, intensification, structure, sensitivity, data assimilation, and risk communication. Academically, he has developed courses on predictability and tropical meteorology, served as an Associate Dean, and spearheaded the launch of a new Climate Resilience Institute. He co-chaired the AMS IOAS-AOLS conference for 10 years and has led WMO community reviews on targeted observations and modeling of high-impact weather. He is a visiting scientist at ECMWF.

AMS Fellow

Elizabeth A. Mulvihill

COMET Program Director, UCAR/COMET, Boulder, CO



Elizabeth Mulvihill (formerly Page) serves as the Director of the COMET Program and the UCP Education and Training Center. She received her PhD in atmospheric science from Colorado State University studying the impact of wildfire burn scars on convective precipitation development. Having dedicated her career to the professional development of hydrometeorologists, she is an internationally recognized expert in training and capacity development as a member of the US delegation to the World Meteorological Organization.

AMS Fellow

Stephen W. Nesbitt

Professor and Head, University of Illinois Urbana-Champaign, Urbana, IL



Prof. Steve Nesbitt is Department Head of Climate, Meteorology, and Atmospheric Sciences at the University of Illinois Urbana-Champaign. His research spans radar and satellite meteorology, high-resolution modeling, and data science, with a focus on clouds, precipitation processes, and convective systems. He led the NSF/NOAA/NASA RELAMPAGO field campaign in Argentina and co-authored the textbook “Radar Meteorology, A First Course”. He is also Chief Editor for the *Journal of Atmospheric and Oceanic Technology*.

AMS Fellow

Paul J. Roebber

Distinguished Professor, University of Wisconsin-Milwaukee, Milwaukee, WI



Dr. Roebber is a Distinguished Professor of Atmospheric Sciences at the University of Wisconsin at Milwaukee's School of Freshwater Sciences, where he also serves as the Program Director for the Bachelor of Science in Data Analytics and the Master of Science in Data Science. Since 2016, he has been contributing to the National Weather Service's data science efforts through an appointment with the Cooperative Institute for Research in the Atmosphere.

AMS Fellow Christopher Ruf

Professor, University of Michigan, Ann Arbor, MI



Chris Ruf is the Frederick Bartman Collegiate Professor of Climate and Space Science at the University of Michigan, Director of the University of Michigan Space Institute and Principal Investigator of the NASA Cyclone Global Navigation Satellite System (CYGNSS) Earth Venture mission. His research interests include the development of methods and applications of novel remote sensing techniques, ocean and atmosphere geophysical parameter estimation, and sensor technology development.

AMS Fellow

Remko Uijlenhoet

Professor, Delft University of Technology, Delft, The Netherlands



Remko Uijlenhoet is Professor of Hydrology & Water Resources and leads the Water Resources section at Delft University of Technology. Before joining TU Delft (in 2020), he was Professor and Chair of the Hydrology and Quantitative Water Management Group at Wageningen University (since 2007). Remko Uijlenhoet holds BSc, MSc and PhD degrees from Wageningen University. During his career, he spent some six years abroad, in the US (Beltsville, Princeton, Duke), France (Grenoble) and Spain (Barcelona).

AMS Fellow

Jordi Vila

Professor, Wageningen University, The Netherlands



I am curiosity-driven on how the land interacts to the atmosphere, and more specifically on how the vegetation is reacting to rapid changes and perturbations occurring in clear and cloudy atmospheric boundary-layers. To this end, I combine large-eddy simulations with comprehensive observational sets collected in distinct ecosystems, from tropical to boreal, and conceptual models. I am very much interested on transfer/discuss this knowledge at different levels, from elementary schools to high-level PhD candidates.

AMS Fellow

Enrique R. Vivoni

Fulton Professor of Hydrosystems Engineering,
Arizona State University, Tempe, AZ



Enrique R. Vivoni is the Fulton Professor and Director of the Center for Hydrologic Innovations at Arizona State University. His research focuses on water, climate, and ecosystem interactions, with an emphasis on North American drylands. In collaboration with others, he has advanced integrative watershed studies that link spatially explicit sensor networks, remote sensing, and process-based modeling. His team develops and applies innovations in hydrologic science and engineering for improved decision making by water management agencies.

AMS Fellow

Jun Wang

James E. Ashton Professor and Department Executive Officer,
University of Iowa, Iowa City IA



Jun Wang's research focuses on remote sensing of aerosols and fires, integrating observation data with models to study air quality, atmospheric composition, and climate change. He earned his B.S. from Nanjing University of Information Science and Technology, M.S. from the Institute of Atmospheric Physics in China, and Ph.D. from the University of Alabama in Huntsville. He has served as a science team member for several satellite missions and received awards from AGU, AMS, and NASA.

AMS Fellow

Muyin Wang

Principal Research Scientist and Deputy Director,
University of Washington and NOAA/PMEL



Dr. Muyin Wang is a deputy director of NOAA's Cooperative Institute (CICOES) at the University of Washington. Her research focuses on understanding Arctic climate change and impact of changing Arctic on global climate system. Muyin defined the ice-free Arctic with a threshold, which has been widely used by the community. She pioneered the global climate model selection to predict the future Arctic sea ice cover. Muyin serves in many US and international Arctic program committees.

AMS Fellow

Zong-Liang Yang

Professor, University of Texas at Austin, Austin, TX

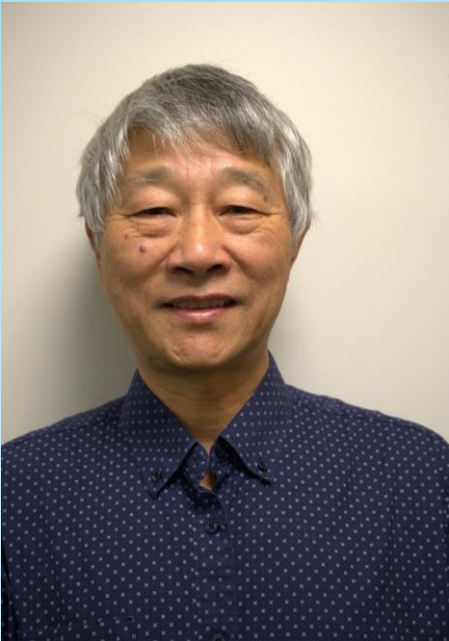


Dr. Zong-Liang Yang is a professor in the Department of Earth and Planetary Sciences at the University of Texas at Austin, holding the Jackson Chair in Earth System Sciences. His research focuses on land surface processes and developing models for flood mapping, drought monitoring, and Earth system modeling. He studies global river discharge, urbanization impacts on precipitation, and multi-sensor data integration to improve extreme event predictions. His work bridges science with actionable solutions for climate resilience and water sustainability.

AMS Fellow

Xuebin Zhang

Director, Pacific Climate Impacts Consortium
University of Victoria, Victoria, BC, Canada



Dr. Xuebin Zhang is the Director of the Pacific Climate Impacts Consortium at the University of Victoria. His primary research focuses on understanding how and why the climate—particularly extreme weather and climate events—has changed over the past century and how it is likely to change in the future. He collaborates closely with users of climate information and is a Fellow of the Royal Society of Canada.

AMS Honorary Member

Robert A. Houze, Jr.

Professor Emeritus, , University of Washington, Seattle, WA



Robert Houze received his B.S. in meteorology at Texas A&M in 1967 and Ph.D. in meteorology at MIT in 1972. He studied radar meteorology under Pauline Austin, led field programs employing radar, and served on satellite teams putting meteorological radars in space. His work on mesoscale convective systems, tropical weather, and cloud dynamics led to his receiving the Rossby Medal of the AMS and the Symons Gold Medal of the Royal Meteorological Society.

AMS Honorary Member

Anne Mee Thompson

Senior Scientist, Atmospheric Chemistry, Emeritus,
NASA Goddard Space Flight Center, Greenbelt, MD



An atmospheric chemistry pioneer known for: (1) characterizing the Earth's oxidizing capacity; (2) founding NASA's Southern Hemisphere Additional Ozonesondes network; (3) leading aircraft and oceanographic campaigns. Thompson's ozonesonde research has built capacity in Asia, South America, Africa. While a Penn State Meteorology Professor, Thompson was a Fulbright Scholar in South Africa. Author of 300 publications, Thompson is a Suomi Awardee, AGU Revelle Medalist and a member of the American Academy of Arts and Sciences.

AMS Honorary Member

Peter J. Webster

Professor Emeritus, Georgia Institute of Technology, Atlanta, GA



Peter Webster received a doctorate at MIT under Norman Phillips in 1971 studying the physics of large-scale low latitude phenomena. He co-organized of many international field programs. He has received the AMS Charney and Rossby medals, the RMS Mason Award, the International Award from the AGU, and The Prince Sultan Bin Abdulaziz International Creativity Prize for Water at the United Nations. He is currently Chief Scientist of the Climate Forecast Applications Network.