2018 AWARDS



American Meteorological Society

98th Annual Meeting | AUSTIN | 2018

The objective of this Society is to advance the atmospheric and related sciences, technologies, applications, and services for the benefit of society. The Society shall be a nonprofit organization, and none of its net income or net worth shall inure to the benefit of its members. Its membership and activities shall be international in scope.

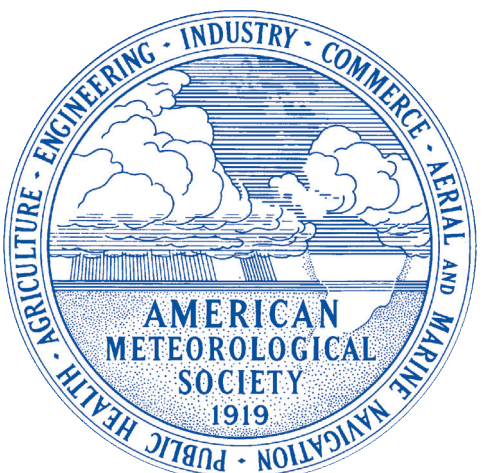
These awards are given because people took the time to submit a nomination for a qualified individual by following procedures at www.ametsoc.org/awards.

Society awards are presented at the Annual Meeting, specialized conferences, or other appropriate occasions during the years.

American Meteorological Society
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98TH ANNUAL REVIEW, NEW FELLOWS, AND FEATURED AWARDS

Sunday, 7 January 2018



Elected Fellows



Michael Alexander

Meteorologist,
NOAA/ESRL Physical Sciences Division, Boulder, Colorado

After receiving his Ph.D. from the University of Wisconsin-Madison, Michael Alexander was a research scientist at the University of Colorado before becoming a meteorologist at NOAA's Earth System Research Laboratory in Boulder, Colorado. Mike has researched El Niño and its effects on global air-sea interactions, ocean processes and their role in climate variability, and the influence of climate change on ecosystems. He greatly appreciates the talented scientists he has collaborated with on these diverse topics.



Martha C. Anderson

Research Physical Scientist, USDA/ARS, Hydrology and Remote Sensing Laboratory, Beltsville, Maryland

After receiving a Ph.D. in astrophysics from the University of Minnesota, Martha Anderson moved into the field of Earth remote sensing. Her current research focuses on mapping water, energy, and carbon fluxes at field to global scales using thermal band satellite imagery, with applications in water management, drought monitoring and crop yield estimation. She serves on the science teams for the Landsat and ECOsystem Spaceborne Thermal Radiometer Experiment on Space Station (ECOSTRESS) missions.

Elected Fellows



Elizabeth J. Austin, CCM

President,
WeatherExtreme Ltd., Fall Brook, California

Elizabeth Austin, Ph.D., CCM, is President of WeatherExtreme Ltd., and currently holds a Professorship at the University of Nevada, Reno's Atmospheric Sciences Department. She is the chief meteorologist for the Perlan Project to fly a manned glider to 100,000 feet. Elizabeth is an active member of the AMS and is currently serving on the AMS Council. She has served as chair of the Board of Certified Consulting Meteorologists and is the current president of the NCIM-ACM.



John A. Barth

Professor,
Oregon State University,
Corvallis, Oregon

Jack Barth is a professor at Oregon State University, where he also serves as the Executive Director of OSU's new Marine Studies Initiative. His research seeks to understand the complex spatial structure and time variation of coastal ocean circulation and water properties, and how these influence coastal marine ecosystems. Jack served as Editor of the *Journal of Physical Oceanography*. He received a Ph.D. in Oceanography in 1987 from MIT and the Woods Hole Oceanographic Institution.

Elected Fellows



Gordon Bonan

Senior Scientist,
National Center for Atmospheric Research, Boulder, Colorado

Gordon Bonan is senior scientist at the National Center for Atmospheric Research. His research integrates ecological, biogeochemical, hydrological, and atmospheric sciences to study terrestrial ecosystems, their responses to atmospheric change, and biotic processes that amplify or mitigate atmospheric change. His research discovers and advances knowledge of the processes by which natural and human-managed systems affect weather, climate, and atmospheric composition; represents this understanding in Earth system models; and applies models to serve societal needs.



Kenneth P. Bowman

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

Kenneth P. Bowman received his Ph.D. degree in Geophysical Fluid Dynamics from Princeton University in 1984. He was a National Research Council Postdoctoral Associate at NASA's Goddard Space Flight Center in Greenbelt, MD from 1984 to 1985. After spending seven years at the University of Illinois, he moved to Texas A&M University, where he is currently the David Bullock Harris Professor Geosciences in the Department of Atmospheric Sciences.

Elected Fellows



Aiguo Dai

Professor,
University at Albany, SUNY,
Albany, New York

Dr. Dai obtained his Ph.D. in Atmospheric Science from Columbia University in 1996. He worked over 15 years at NCAR before joining the faculty at SUNY Albany in 2012. As an ISI highly cited researcher, his areas of research include climate variability and change, with a focus on precipitation, drought and streamflow. He also studies the diurnal cycle, internal climate variability and human-induced climate change.

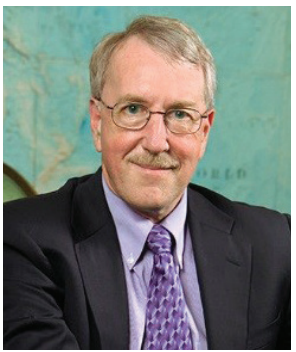


Belay Berhane Demoz

Professor and Director,
Department of Physics, Joint Center for Earth Systems Technology, University of Maryland, Baltimore, Maryland

Dr. Demoz holds a Ph.D. in Atmospheric Physics from the University of Nevada-Reno (DRI). He is Professor of Physics and Director of the Joint Center for Earth Systems Technology (JCET) at UMBC. He was at Howard University, serving as Professor, Director of Graduate Studies of Physics, PI for the Beltsville Research Campus and has worked in the private industry as well as a civil servant at NASA/GSFC. He is currently researching future lidar networks for weather.

Elected Fellows



William E. Easterling

Immediate Past Dean and Professor of Geography and Earth System Science, The Pennsylvania State University, University Park, Pennsylvania

Dr. William E. Easterling is Assistant Director of NSF, heading the Geosciences Directorate. An AAAS Fellow, he was previously dean of the College of Earth and Mineral Sciences and professor of geography and earth system science at Penn State. Dr. Easterling was the founding director of the Penn State Institutes of Energy and the Environment. He is an expert on effects of climate change on Earth's food supply, serving twice as IPCC coordinating lead author.



Laura K. Furgione

Chief, Office of Strategic Planning, Innovation, and Collaboration, DOC/U.S. Census Bureau, Suitland, Maryland

Currently at the U.S. Census Bureau, Laura Furgione's distinguished career at Commerce began in 1993. She was Deputy Director of NWS 2010 to 2016. Other positions include intern WSO Kodiak and WFO Fairbanks, aviation meteorologist Alaska Aviation Weather Unit, WCM WFO Morehead City, MIC WFO Juneau, and Alaska Region Director. She holds a B.S. in Atmospheric Science from the University of Missouri-Columbia, MPA from University of Alaska-Southeast, and is a certified Project Management Professional.

Elected Fellows



Jim Gandy, CBM

Chief Meteorologist,
WLTX-TV, Columbia, South Carolina

Jim has been a broadcast meteorologist for over 42 years providing clear and accurate information about forecasts and extreme weather events. He graduated with a B.S. in meteorology from Florida State University and did post-graduate work at the University of South Carolina. Jim helped pioneer Climate Matters in 2010. This educated viewers about climate change and how it impacted them. The program is now used by over 400 broadcast meteorologists worldwide.



Georg A. Grell

Meteorologist,
NOAA/ESRL/GSD, Boulder, Colorado

Georg leads the model development branch of the Global Systems Division of NOAA/ESRL. He was one of the main architects of the NCAR/PSU Mesoscale Model Version 5 (MM5), and contributed to the development of many other global and regional models. He received the Haagen-Smit Prize in 2016 for a paper on air quality model development, and the outstanding scientific paper award from OAR in 2017 for a paper on development of a convective parameterization.

Elected Fellows



Paul H. Gross, CCM, CBM

Meteorologist,
WDIV-TV, Detroit, Michigan

Paul H. Gross is one of a handful of AMS members to receive both the Certified Consulting and Broadcast Meteorologist designations. He has chaired the AMS Board of Broadcast Meteorology and the AMS Committee on the Station Scientist and, most recently, served on the AMS Best Practice on Winter Weather Committee. Gross has also been awarded eight Emmys by the Michigan Chapter of the National Association of Television Arts and Sciences.



Jin Huang

Chief, Earth System Science and Modeling (ESSM) Division,
NOAA Climate Program Office,
Silver Spring, Maryland

Jin Huang successfully directed large research programs to advance intraseasonal to interannual (ISI) climate prediction (2001-2010). She led the integration between the atmosphere and land/hydrologic fields and supported research on ISI predictability and processes. Jin developed and managed NOAA research-to-operations transition activities (2011-2016) by bridging the scientific, operational and application communities. Her leadership has advanced U.S. short-term climate prediction capability. Jin received her Ph.D. degree from University of Illinois, Champaign-Urbana.

Elected Fellows



Gregory C. Johnson

Oceanographer,
NOAA/Pacific Marine Environmental Laboratory,
Seattle, Washington

Gregory Johnson and his dedicated research group collect and calibrate high quality data for both Argo (autonomous profiling floats) and GO-SHIP (repeated oceanographic transects). With awe and some trepidation, Dr. Johnson analyzes, from observations, the oceans' changing physical state. He has served as an IPCC AR5 WG1 Lead Author and editor of the Global Oceans chapter for three annual State of the Climate reports. He earned his Ph.D. in Oceanography from the MIT/WHOI Joint Program.



Ramesh K. Kakar

Program Manager,
NASA Headquarters, Washington, DC

Ramesh Kakar is a Program Manager and a former Weather Focus Area leader in the Earth Science Division at NASA Headquarters. He earned his B.S. degree from the University of Delhi and Ph.D. from the University of Wyoming. Ramesh is the Program Scientist for several prominent NASA satellites such as Aqua, GPM and CYGNSS. He has played a leadership role in the development of innovative space and airborne instruments and selecting science teams to exploit these.

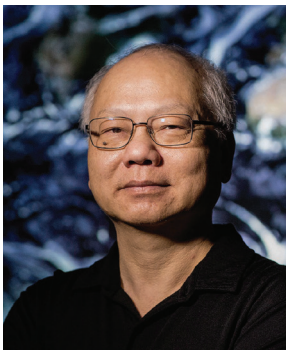
Elected Fellows



Gary S.E. Lagerloef

Aquarius Principal Investigator, Earth and Space Research, Seattle, Washington

Co-founder (1995) Earth & Space Research, Seattle, and Principal Investigator of the NASA Aquarius Mission, launched in 2011 to study the interactions between the water cycle, ocean circulation and climate. Ph.D., Oceanography, University of Washington, 1984. Author of more than 60 scientific publications/presentations and has served on NASA Science Working Teams for satellite missions to measure sea level, Ocean Vector Winds, and the Tropical Rainfall Measurement Mission. Member AMS, AGU, AAAS, TOS and IEEE.



Shian-Jiann Lin

Physical Scientist, NOAA/Geophysical Fluid Dynamics Laboratory, Princeton, New Jersey

Dr. Shian-Jiann Lin received his Ph.D. from Princeton University in 1989. He is the head of the weather and climate dynamics group at NOAA/Geophysical Fluid Dynamics Laboratory. His main interests are advanced numerical methods for weather and climate modeling and improvement of hurricane long-term predictions via high resolution global cloud-resolving approach. The FV3 dynamical core his team developed has been selected for the Next Generation Global Prediction System (NGGPS).

Elected Fellows



Kevin R. Petty

Chief Science Officer,
Vaisala, Louisville, Colorado

Dr. Kevin R. Petty is the Chief Science Officer for Vaisala. Kevin is responsible for helping to define Vaisala's research and development strategy, setting technology research priorities, leading teams of scientists and engineers, and supporting global product development efforts. Kevin earned his M.S. (1994) and Ph.D. (1997) in Atmospheric Sciences from Ohio State University and a B.S. (1989) in Mathematics/Secondary Education from Illinois College.



Peter Pilewskie

Professor,
University of Colorado at Boulder,
Boulder, Colorado

Peter Pilewskie joined the University of Colorado in 2004 with a joint appointment in the Laboratory for Atmospheric and Space Physics (LASP) and in the Department of Atmospheric and Oceanic Sciences. He is Principal Investigator for the Total and Spectral Solar Irradiance Sensor and the LASP science lead on CLARREO Pathfinder. Prior to his arrival at the University of Colorado, Peter spent 15 years at the NASA Ames Research Center.

Elected Fellows



Roger S. Pulwarty

Senior Scientist,
NOAA/OAR, Boulder, Colorado

Roger S. Pulwarty is the Senior Scientist in the NOAA/OAR Physical Sciences Division in Boulder, Colorado. His research focuses on weather, water, climate, and early warning, in the U.S., Latin America, and the Caribbean. Roger's publications include co-edited books on the science and management of hurricane and drought-related risks, and national and international scientific assessments. He has led landmark multidisciplinary efforts, including NOAA's Regional Integrated Sciences and Assessments, and the National Integrated Drought Information System.



Yvette P. Richardson

Professor of Meteorology, Associate Dean for Undergraduate Education, College of Earth and Mineral Sciences, The Pennsylvania State University, University Park, Pennsylvania

Yvette Richardson is a professor of Meteorology at Penn State University and the Associate Dean for Undergraduate Education in the College of Earth and Mineral Sciences. Her research examines the dynamics of severe local storms from initiation through tornado genesis and maintenance using numerical simulations and observations from multiple field programs. She has served as an AMS Councilor and an Editor for *Monthly Weather Review*. She is the current AMS Planning Commissioner.

Elected Fellows



Alexander Ryzhkov

Senior Research Scientist, CIMMS at the University of Oklahoma, Norman, Oklahoma

Alexander Ryzhkov is a Senior Scientist at the Cooperative Institute for Mesoscale Meteorological Studies at the University of Oklahoma. He has received his Ph.D. degree in radio physics from the St. Petersburg State University in Russia. His primary research interests include meteorological applications of Doppler polarimetric radars and he played a leading role in the development of operational algorithms for quantitative precipitation estimation, hydrometeor classification, and severe weather warnings on the network of WSR-88D radars.



Michelle L. Santee

Senior Research Scientist and Supervisor, Stratosphere and Upper Troposphere Group, NASA Jet Propulsion Laboratory, California Institute of Technology, Pasadena, California

Michelle Santee is a Co-Investigator on the Aura Microwave Limb Sounder. With more than 140 peer-reviewed publications, her research interests include processes controlling trace gas distributions in the upper troposphere/lower stratosphere, such as convective transport of boundary-layer pollutants, stratosphere-troposphere exchange, and monsoon circulations, as well as stratospheric polar processes such as chlorine activation, polar stratospheric cloud formation, denitrification and dehydration, and chemical ozone loss. She received her Ph.D. in Planetary Science from Caltech.

Elected Fellows



Benjamin David Santer

Research Scientist,
Lawrence Livermore National Laboratory, Livermore, California

Ben Santer is an atmospheric scientist at Lawrence Livermore National Laboratory. His research focuses on climate model evaluation, the use of statistical methods in climate science, and identification of natural and anthropogenic "fingerprints" in observed climate records. Santer's early research on the climatic effects of combined changes in greenhouse gases and sulfate aerosols contributed to the historic "discernible human influence" conclusion of the 1995 Report by the Intergovernmental Panel on Climate Change.



Betsy Weatherhead

Senior Scientist,
University of Colorado at Boulder, Boulder, Colorado

Betsy Weatherhead works across public, private and academic sectors on scientific issues including weather, climate and environmental impacts. She enjoys working across disciplines with advanced statistical techniques to address issues that are important to scientific and societal interests. Her work has included writing a cover article for *Nature* on ozone recovery, collaborating with Inuit on the co-production of knowledge and working on the Intergovernmental Panel on Climate Change.

Elected Fellows



Fuzhong Weng

Supervisory Physical Scientist, NOAA/NESDIS/Center for Satellite Applications and Research, College Park, Maryland

Dr. Fuzhong Weng is the chief of NOAA/STAR/Satellite Meteorology and Climatology Division. He received his atmospheric science Ph.D. degree in 1992 from Colorado State University. He was the recipient of the first NOAA David Johnson Award in 2000 for his outstanding contributions to satellite microwave remote sensing and U.S. Department of Commerce Gold Medal Award in 2005 for his achievement in satellite data assimilation.



Jeffrey S. Whitaker

Meteorologist,
NOAA/ESRL, Boulder, Colorado

Jeff Whitaker is a research meteorologist at the Physical Sciences Division of the NOAA Earth System Research Laboratory in Boulder, Colorado. His research is focused on the use of ensembles in weather forecasting and data assimilation.

Elected Fellows



Samuel P. Williamson

Senior Administrator (Retired), Atmospheric Scientist and Analyst, NOAA, Silver Spring, Maryland

Served as NOAA's Federal Coordinator for Meteorological Services and Supporting Research (1998-2014). Led significant interagency advances in space weather, aviation and road weather, wildland fire weather, tropical cyclone research, dispersion modeling, mesoscale observations, data assimilation, and multifunction phased array radar. Principal Planner/Director, NEXRAD Joint System Program Office (1979-1991). Senior Staff Associate, National Science Foundation (1992-94). Senior Science Advisor, U.S. House of Representatives' Committee on Science (1994-95). Presidential Rank Award; NOAA Distinguished Career Award; Bronze Medal.

The Award for Outstanding Chapter of the Year

Denver Boulder

Boulder, Colorado

For engaging with the community on topics about weather and climate and for developing new initiatives to enhance membership and networking opportunities

The Award for Outstanding Student Chapter of the Year

Iowa State University

Ames, Iowa

For innovative efforts to support membership and member growth and for helping the community through educational outreach, fundraising, and events for K-12 students

The Award for an Exceptional Specific Prediction

Justin I. Pullin, Philip Warren, Rebecca A. DePodwin, Alexandria M. Davis

AccuWeather Enterprise Solutions

For an exceptional prediction of flash flooding in a challenging data-sparse environment that prevented potentially dangerous train derailments and loss of life and property



Justin I. Pullin, Meteorologist, NOAA/National Weather Service, Tallahassee, Florida

A 2012 graduate of the University of Louisiana Monroe, Justin Pullin continues his career in operational meteorology, now providing forecast services for the general public. Justin's professional interests include operationally relevant research centered around severe weather, including the recent HailSTONE field project. Justin also has a keen interest in effective messaging of weather information, remaining heavily involved in local efforts to improve this critical discipline of our field.



Philip Warren, Senior Storm Warning Meteorologist, AccuWeather Enterprise Solutions, Wichita, Kansas

Philip Warren received a B.S. in Atmospheric Science from the University of Oklahoma in 2008. Since then he has been employed as an operational meteorologist at AccuWeather Enterprise Solutions in Wichita, Kansas, where he provides forecasts and real-time weather warnings for clients throughout North America.



Rebecca A. DePodwin, Meteorologist and Digital Media Product Manager, AccuWeather Enterprise Solutions, State College, Pennsylvania

As a Product Manager, Becky leverages her meteorology experience and social media expertise to build engaging and innovative user-facing products across all digital platforms. With an established social media presence, Becky shares weather insights with others to stimulate conversation - follow her @wx_becks on Twitter. Previously, her work as an operational meteorologist included a comprehensive understanding and application of weather forecasting, effective life-saving communications, and personalizing the weather so people can improve their lives.



Alexandria M. Davis, Lead Storm Warning Meteorologist, AccuWeather Enterprise Solutions, Wichita, Kansas

Alexandria (Ali) Davis received her B.S. in Meteorology in 2011 from Valparaiso University. Ali began her career with AccuWeather Enterprise Solutions in Wichita, Kansas in 2012 and was promoted to Lead Storm Warning Meteorologist this past fall. Her current duties include issuing warnings across North America, assembling and issuing multi-day weather forecasts, and briefing clients on imminent hazardous weather impacts.

The Louis J. Battan Author's Award

Kristine C. Harper

Associate Professor of History, Florida State University, Tallahassee, Florida



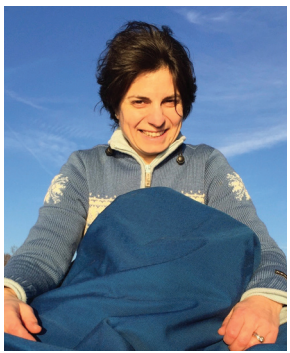
For Make It Rain, a compelling account of political battles waged over weather modification and their implications for evidence-based policymaking and for climate change interventions

Kristine C. Harper, a meteorologist and oceanographer turned historian of science, is Associate Professor of History at Florida State University. Her research focuses on the history of atmospheric and related sciences in the twentieth century, with special emphasis on the Cold War and the federal government's influence on science. Harper's first book was Weather by the Numbers: The Genesis of Modern Meteorology. She received her Ph.D. in History of Science from Oregon State University.

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

Karen de Seve

Creative Force, Creative Content Studio, Summit, New Jersey



For Little Kids First Big Book of Weather, captivating readers with an engaging format, fun activities, and insightful photographs that accurately illustrate weather phenomena

Karen de Seve weaves tales of science into books, articles, exhibitions and scripts that encourage viewers to interact with information and not just passively consume it. As a staff and freelance writer, Karen has told science stories for National Geographic, Wildlife Conservation Society, American Museum of Natural History and Liberty Science Center, PBS and others. Karen has a B.S. from Cornell University and an M.A. from New York University. Winter is her favorite season!

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

Maggie Koerth-Baker

Senior Science Reporter, FiveThirtyEight, Minneapolis, Minnesota



For "Tornado Town, USA", a thoughtful and comprehensive investigation of the statistics of tornado touchdowns, providing a unique perspective on a captivating topic of societal relevance

Maggie Koerth-Baker is senior science reporter for FiveThirtyEight.com.

Editor's Award

Bulletin of the American Meteorological Society

James G. LaDue

Meteorologist Instructor and Team Leader, NOAA/National Weather Service/Warning Decision Training Division, Norman, Oklahoma



For detailed, insightful, and constructive reviews that substantially improved several manuscripts

Improving warnings is one of the passions that leads James, a lead instructional meteorologist at the Warning Decision Training Division, to develop and teach courses to forecasters on a diverse array of topics that range from radar applications to severe storms. His course development also motivates him to research new methods in warning decision making. He is also the Chair and founder of the joint ASCE/AMS standards Committee on Wind Speed Estimation.

Editor's Award
Bulletin of the American Meteorological Society

Isobel J. Simpson
Research Specialist, University of California, Irvine, Irvine, California



For consistently thorough and constructive reviews that significantly improved manuscripts submitted to the BAMS State of the Climate Supplement

Isobel Simpson received her Ph.D. in micrometeorology at the University of Guelph and has been an atmospheric chemist at University of California, Irvine since 1997. She has flown on several NASA airborne missions and her research focuses on global trace gas monitoring, regional biomass burning, and urban air quality in North America, Asia, and the Middle East. She is an Associate Editor of *Elementa* and a member of the WMO Global Atmosphere Watch Reactive Gases Group.

Editor's Award
Journal of Hydrometeorology

Pierre-Emmanuel Kirstetter
Research Scientist, Advanced Radar Research Center, University of Oklahoma/NOAA National Severe Storms Laboratory, Norman, Oklahoma



For thorough, thoughtful reviews of a large number of manuscripts, completed in a timely manner

Pierre Kirstetter is a Research Scientist at the Advanced Radar Research Center at the University of Oklahoma and affiliated with NOAA/National Severe Storms Laboratory. He has background in radar and satellite meteorology and hydrology. He got his Ph.D. at Grenoble Alps University, France in 2008. His research focuses on the remote sensing of atmospheric precipitation to study water cycle processes, extreme precipitation and flood events.

Editor's Award
Journal of Hydrometeorology

Daniel J. McEvoy
Assistant Research Professor, Climatology, Regional Climatologist, Desert Research Institute/Western Regional Climate Center, Reno, Nevada



For timely, insightful, detailed, and rigorous reviews that improved several manuscripts focusing on drought

Dr. Dan McEvoy received his bachelor's degree in environmental science from Plattsburgh State University of New York in 2004. He received his master's degree (2012) and Ph.D. (2015) in atmospheric science at the University of Nevada, Reno. Dr. McEvoy is currently working as the Regional Climatologist at the Desert Research Institute/Western Regional Climate Center. His primary research topics include drought monitoring, seasonal drought prediction, and mountain hydrometeorology.

Editor's Award
Weather and Forecasting

Brian Etherton
Weather Specialist, Jupiter Technology Systems Incorporated, Boulder, Colorado



For upholding the high scientific standards of the journal with thorough, insightful, and succinct reviews of submissions on numerical weather prediction and ensemble prediction systems

Brian Etherton has a career focused on the generation and application of probabilistic numerical weather prediction to a number of different applications to meet the needs of numerous end users. Having earned his Ph.D. in Meteorology at The Pennsylvania State University under advisor Dr. Craig Bishop, he has worked in the academic sector, public sector, and private sector. He is extremely grateful for his wife, Dana, and his two children, Carter and Maya.

Editor's Award
Journal of Climate

Yu Kosaka
Associate Professor, Research Center for Advanced Science and Technology, The University of Tokyo, Komaba, Japan



For providing an extraordinary number of insightful and helpful reviews that improved the quality of manuscripts

Yu Kosaka is an associate professor at Research Center for Advanced Science and Technology at The University of Tokyo. She received her doctorate from The University of Tokyo in 2007, and was a postdoc at University of Hawaii (2009-2012) and an assistant project scientist at Scripps Institution of Oceanography (2012-2014). She works on climate variability, air-sea interactions, teleconnections, and monsoon dynamics.

Editor's Award
Journal of Climate

Joel R. Norris
Professor, Scripps Institution of Oceanography, University of California, San Diego, San Diego, California

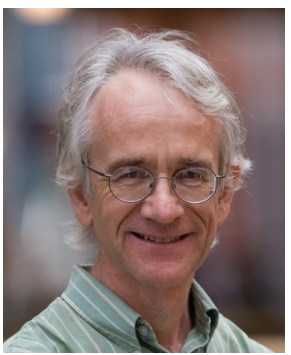


For frequent and high-quality reviews on various topics in clouds and climate

Joel Norris is a Professor of Atmospheric and Climate Science at the Scripps Institution of Oceanography at the University of California, San Diego. He received a B.S. in Geophysics from Caltech and a Ph.D. in Atmospheric Sciences from the University of Washington. His primary research interests include boundary layer cloud processes, decadal variability of cloudiness, and cloud feedbacks on the climate system.

Editor's Award
Journal of Climate

Richard L. Smith
Professor of Statistics and Biostatistics, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina



For insightful reviews of a number of manuscripts involving new statistical methodologies

Richard Smith's early training was in operations research and statistics, but from an early stage of his professional career, he was interested in applications to climatology and the environment. His statistical interests include time series, spatial statistics and extreme value analysis, and he has had many collaborators through the EPA, NCAR and Berkeley Lab. For the past eight years he has been Director of SAMSI, one of NSF's mathematical sciences institutes in North Carolina.

Editor's Award
Journal of Atmospheric and Oceanic Technology

Javier Fochesatto
Professor of Atmospheric Sciences, University of Alaska Fairbanks, Fairbanks, Alaska

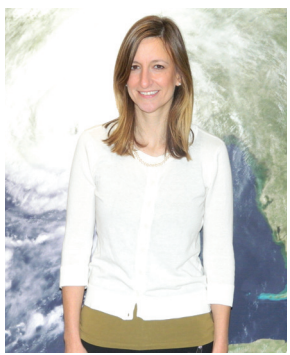


For providing valuable reviews that helped the decision-making process, particularly in controversial situations

Javier Fochesatto, Professor of Atmospheric Sciences at the Geophysical Institute and College of Natural Science and Mathematics University of Alaska Fairbanks. Ph.D. in Physics from University of Paris VI Laboratoire de Météorologie Dynamique du CNRS - Ecole Polytechnique, Paris, France and Electronic Engineer, Buenos Aires, Argentina. His area of research and academic specialization is on Atmospheric Boundary Layer, Micrometeorology and Laser based systems for optical remote sensing of the atmosphere.

Editor's Award
Monthly Weather Review

Heather M. Archambault
Associate Director, NOAA Geophysical Fluid Dynamics Laboratory, Princeton, New Jersey

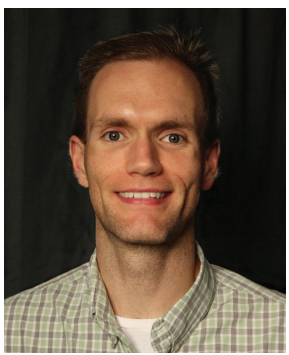


For frequent, exceptional, and in-depth reviews, with particular recognition for assisting the editors

Heather Archambault is the Associate Director of NOAA's Geophysical Fluid Dynamics Laboratory in Princeton, New Jersey. She previously served as a program manager in the NOAA Climate Program Office. Her research interests primarily concern the dynamics and predictability of tropical–extratropical interactions leading to extreme weather events. Heather earned an M. S. and Ph.D. in atmospheric science from the University at Albany, SUNY, and a B.S. in meteorology from Penn State University.

Editor's Award
Monthly Weather Review and Weather and Forecasting

Clark Evans
Associate Professor and Assistant Chair, University of Wisconsin-Milwaukee, Milwaukee, Wisconsin



For thorough, constructive, and insightful reviews of an impressive number of manuscripts

Clark Evans is an Associate Professor and the Assistant Chair for Atmospheric Science at the University of Wisconsin-Milwaukee. His research interests include mesoscale predictability, mesoscale convective dynamics, and tropical cyclone prediction and analysis. He serves as the incoming Vice Chair of the AMS Committee on Weather Analysis and Forecasting. He received B.S., M.S., and Ph.D. degrees in Meteorology from Florida State University in 2004, 2006, and 2009, respectively.

Editor's Award

Journal of Physical Oceanography

Samuel M. Kelly

Assistant Professor, University of Minnesota Duluth, Duluth, Minnesota



For insightful and helpful reviews across a spectrum of sub-disciplines in physical oceanography, with particular recognition for assisting the editors

Sam studies inertial waves and turbulence in the oceans and large lakes. This work combines observations, theory, and modeling. Since 2014, he has been an Assistant Professor in the University of Minnesota Duluth's Large Lakes Observatory and Physics Department. He received a Ph.D. in physical oceanography from Oregon State University in 2011.

Editor's Award

Journal of Applied Meteorology and Climatology

Valérie Bonnardot

Lecturer, LETG-Rennes, Université Rennes2, Rennes, France



For an exceptionally detailed review of a challenging submission that encouraged the authors and provided valuable ideas for improving their manuscript

Valérie Bonnardot is a Lecturer in Physical Geography at the Department of Geography of the University of Rennes 2 in France since 2012. Her research is affiliated to the UMR LETG of CNRS. She spent eight years at the Institute for Soil Climate and Water of the Agricultural Research Council in South Africa. She is involved in different European Research projects dealing with climate change and impacts on viticulture.

Editor's Award
Journal of Applied Meteorology and Climatology

Ali Tokay
Research Associate Professor, University of Maryland Baltimore County, Baltimore, Maryland

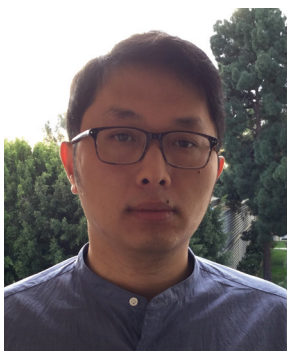


For frequent and in-depth reviews of manuscripts related to precipitation microphysics and estimation, and remote sensing using radar

Dr. Tokay is currently a Research Associate Professor at the University of Maryland Baltimore County (UMBC) through the Joint Center for Earth Systems Technology and is affiliated with the Department of Geography and Environmental Systems. He is a research scientist at NASA Goddard Space Flight Center and member of NASA precipitation science team. Tokay is currently chairing the AMS Radar Meteorology Committee and serving as an associate editor of *Journal of Atmospheric and Oceanic Technology*.

Editor's Award
Journal of the Atmospheric Sciences

Gang Chen
Associate Professor, University of California, Los Angeles, Los Angeles, California



For numerous constructive, timely, and well-written reviews of manuscripts on large-scale atmospheric dynamics

Dr. Gang Chen is an Associate Professor in the Department of Atmospheric and Oceanic Sciences at University of California, Los Angeles. He received his bachelor's degree from Peking University in 2002 and Ph.D. degree from Princeton University in 2007. Prior to UCLA, he worked as postdoctoral fellow at MIT and held faculty position at Cornell University. His research area is atmospheric and climate dynamics, focusing on atmospheric circulation and chemical transport in a changing climate.

Editor's Award
Journal of the Atmospheric Sciences

Shuguang Wang
Associate Research Scientist, Columbia University, New York, New York



For consistently excellent, careful, and constructive reviews on a wide variety of topics that helped authors improve their manuscripts

Dr. Wang is an associate research scientist at Columbia University. He was awarded Ph.D. in 2008 at Texas A&M University, and B.S. in 2000 at Nanjing University, China. His current research focuses on tropical meteorology, atmospheric dynamics, subseasonal weather forecast, and numerical modeling.

Editor's Award
Weather, Climate, and Society

Helen Greatrex
Associate Research Scientist, International Research Institute For Climate and Society, Columbia University, New York, New York



For excellent reviews that encouraged the authors and provided clear guidance to improve their manuscripts

Helen Greatrex works as an Associate Research Scientist within IRI's financial instruments team. Her research focuses on tropical rainfall estimation, exploring how weather data is used within agricultural risk management and index insurance. Helen has also worked with the Global Climate Adaptation Partnership (GCAP) and Statistics for Sustainable Development (Stats4SD). She holds a Ph.D. and PgDip in agrometeorology from the University of Reading (UK), and an MPhys in Astrophysics from the University of Manchester (UK).

The Spiros G. Geotis Student Prize

Nicholas F. McCarthy

Ph.D. Candidate, University of Queensland, Queensland, Australia

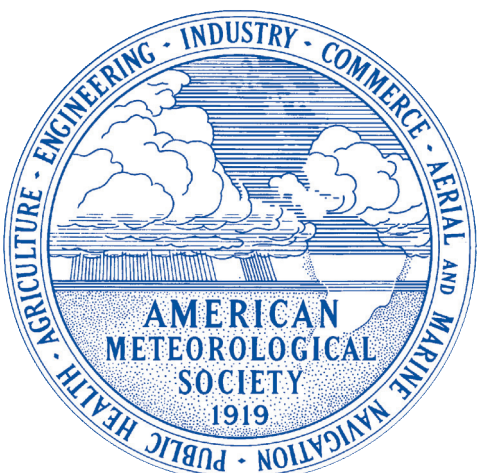


For his paper, "The Bushfire Convective Plume Experiment: A Mobile X-band Field Campaign into Fire-Driven Convection in Australia

Nicholas is a Ph.D. Candidate from the University of Queensland (Australia), School of Earth and Environmental Sciences, Atmospheric Observations Research Group. He leads the field-based Bushfire Convective Plume Experiment, which seeks to understand the processes of large fires and pyroconvection with a mobile X-band Doppler radar. Collaborators on his Ph.D. include the Australian Bureau of Meteorology, Queensland Fire and Emergency Services, and Country Fire Authority where he works imbedded for the duration of his Ph.D.

98TH ANNUAL AWARDS BANQUET

Wednesday, 10 January 2018



The Robert E. Horton Lecturer in Hydrology for 2018

Gerald R. North

University Distinguished Professor Emeritus, Texas A&M University, College Station, Texas



For pioneering contributions to understanding the statistical nature of precipitation and to measuring precipitation from space

Gerald R. North has a Ph.D. in Physics (1966) from the University of Wisconsin. He was a physics professor at the University of Missouri-St. Louis (1968-1978), during which he took a sabbatical leave to NCAR, and converted to climate science. He was a research scientist at NASA/GSFC, 1978-1986. He has been a professor at Texas A&M University from that time until his retirement in 2016. His research focuses on mathematical and statistical problems in climate.

The Bernhard Haurwitz Memorial Lecturer for 2018

George N. Kiladis

Research Meteorologist, NOAA/ESRL, Physical Sciences Division, Boulder, Colorado



For influential observational studies of tropical-extratropical wave dynamics and leadership in the field of large-scale tropical meteorology

George Kiladis is a research meteorologist at the Physical Sciences Division of the NOAA Earth System Research Laboratory. His work focuses on the dynamics of the tropical atmosphere and ocean, and involves comparisons of observations with theory and models. His interests include equatorial waves, tropical–extratropical interaction, and the coupling between convection and large-scale circulations. Dr. Kiladis has served on several AMS committees and also as an editor of the *Journal of the Atmospheric Sciences*.

The Walter Orr Roberts Lecturer in Interdisciplinary Sciences for 2018

Clara Deser

Senior Scientist, NCAR, Boulder, Colorado



For effective communication of the evolving state of climate research in a wide range of interdisciplinary fora

Dr. Clara Deser is a Senior Scientist and Head of the Climate Analysis Section at the National Center for Atmospheric Research. She studies global climate variability and climate change, with an emphasis on interactions between the atmosphere, ocean and cryosphere. Dr. Deser is a Fellow of the American Geophysical Union and the American Meteorological Society (AMS), and received AMS's Clarence Leroy Meisinger Award and Editor's Award for the *Journal of Climate*.

Special Award

Tropical Cyclone Satellite Analysis Team, Naval Research Laboratory

For providing a unique suite of satellite passive microwave products to the global tropical cyclone community via a tailored web site enabling enhanced storm monitoring



Jeffrey D. Hawkins, Satellite Meteorological Applications Section Head (Retired), Naval Research Laboratory, Marine Meteorology Division, Monterey, California
Thomas F. Lee, Casual Employee, COMET Program, Boulder, Colorado
Kim Richardson, Physical Scientist, Naval Research Laboratory, Marine Meteorology Division, Monterey, California
Buck Sampson, 7542 Section Head, Naval Research Laboratory, Marine Meteorology Division, Monterey, California
F. Joseph Turk, Radar Science, Jet Propulsion Laboratory, Pasedena, California
John Kent, Webmaster, Science Applications International Corp., Monterey, California
Melinda Surratt, Researcher, Naval Research Laboratory, Marine Meteorology Division, Monterey, California
Joshua H. Cossuth, Meteorologist, U.S. Naval Research Laboratory, Washington, D.C.
Song Yang, Meteorologist, Naval Research Laboratory, Marine Meteorology Division, Monterey, California
Jeremy Solbrig, Research Associate, Cooperative Institute for Research in the Atmosphere, Ft. Collins, Colorado
Richard Bankert, Meteorologist, Naval Research Laboratory, Marine Meteorology Division, Monterey, California

The Award for Outstanding Services to Meteorology by a Corporation

Prescient Weather Ltd

Prescient Weather Ltd, State College, Pennsylvania

For scientific creativity and technological innovation in transforming climate data, climate variability predictions, and climate simulations into probability products valued by the user community

Prescient Weather Ltd provides information and strategies to manage climate risk and opportunity. The latest science, data sets, and information technology are combined in three products to confer advantage to customers sensitive to climate variability. The World Climate Service provides customers, including some of the world's largest electric utilities, with reliable, probabilistic subseasonal and seasonal forecasts. CropProphet brings quantitative weather-based techniques to yield forecasts. ClimBiz will provide climate change insight to enterprises seeking long-term resilience.

The Award for Excellence in Science Reporting by a Broadcast Meteorologist

Alex V. Garcia, CBM

Chief Meteorologist, KABB Television, San Antonio, San Antonio, Texas



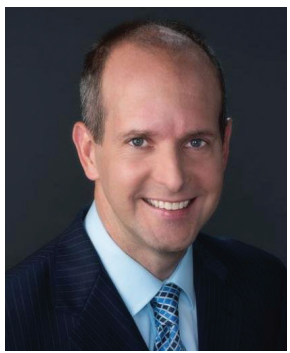
For providing the south Texas audience with easy-to-understand tutorials on how our atmosphere works and the changes we are seeing in Earth's climate

Alex Garcia is the Chief Meteorologist and Weather Team Leader for KABB/WOAI in San Antonio, Texas. Alex has served on the AMS Board of Broadcast Meteorology as a panelist. He presently serves on the AMS Board on Continuing Professional Development and will assume the Chairmanship in 2018. He was the 2016 recipient of the National Weatherperson of the Year Award from FLASH and the 2017 AMS Award for Broadcast Meteorology.

The Award for Broadcast Meteorology

Brad Panovich

Chief Meteorologist, WCNC-TV NBC Charlotte, Charlotte, North Carolina



For passionate devotion to informing his on-air audience and for extensive use of social media to educate the public about meteorology

Brad Panovich is the Chief Meteorologist at NBC Charlotte and an Adjunct Professor in the Meteorology Department at the University of North Carolina Charlotte. Brad holds the AMS Seal of Approval and a B.S. Degree from The Ohio State University. His broadcast career started in Dayton, Ohio then to Traverse City, MI, New Orleans, LA, and the past 15 years in Charlotte, NC.

The Henry T. Harrison Award for Outstanding Contributions by a Consulting Meteorologist

John F. Henz, CCM

Certified Consulting Meteorologist, Self Employed, Phoenix, Arizona



For an exemplary career dedicated to providing innovative, cross-disciplinary consulting services with great integrity to a diverse clientele while advancing the societal applications of hydrometeorology

John F. Henz is a Certified Consulting Meteorologist (#270, 1980) and Fellow (2014) of AMS. He provides specialized hydro-meteorological, extreme weather and forensic services. John served as a USAF weather officer (1968-1971). He earned B.S. Meteorology (Wisconsin, 1968) and M.S. Atmospheric Science (Colo. State, 1974). John was president of GRD Weather Center, Henz Kelly & Associates and Henz Meteorological Services from 1974-2000. He was Atmospheric Science Practice Leader-HDR Engineering (2001-2010) and Senior Scientist-Dewberry Consultants (2010-2016).

The Helmut E. Landsberg Award

J. Marshall Shepherd

Georgia Athletic Association Distinguished Professor and Director, Atmospheric Sciences Program, University of Georgia, Athens, Georgia



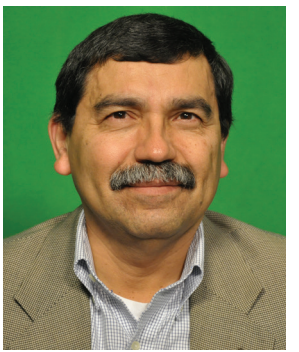
For major advances in understanding urban impacts on rainfall climatology and for assessing the socio-economic value of urban precipitation forecasts

Dr. Shepherd is the Georgia Athletic Association Distinguished Professor at The University of Georgia and Director of the Atmospheric Sciences Program. He is the host of The Weather Channel's "Weather Geeks" and a Contributor to *Forbes* magazine. He was the 2013 AMS President and a past recipient of the Charles Franklin Brooks and Charles E. Anderson Awards. He was a scientist at NASA Goddard Space Flight Center prior to his university tenure.

The Award for Outstanding Achievement in Biometeorology

Jose Dolores Fuentes

Professor, The Pennsylvania State University, University Park, Pennsylvania



For uncovering the significance and workings of key interactions among flora, fauna, and the atmosphere and their role in regional and global environmental change

Jose D. Fuentes is a professor in the Department of Meteorology and Atmospheric Science at The Pennsylvania State University. He received his graduate degrees in micrometeorology from the University of Guelph, Canada, and his bachelor of science from Millersville University, Pennsylvania. Fuentes teaches micrometeorology and biometeorology, and pursues research on the processes controlling emissions, transport, deposition, and chemistry of reactive gases. His field studies occur at places such as the Brazilian rainforest and high Arctic.

The Award for Outstanding Contribution to the Advance of Applied Meteorology

Joel N. Myers

President and Founder, AccuWeather, Inc., State College, Pennsylvania



For over five decades of dedication to delivering forecasts and customized weather information to industry, agriculture, and the public

Dr. Myers created AccuWeather in 1962 and has overseen its global growth for 55 years, today reaching 2 billion people through traditional and digital media and thousands of companies. Joel received three degrees from Penn State, was a faculty member for two decades and an active trustee for 33 years. He funded the creation of the state-of-the-art Penn State Joel N. Myers Weather Center, dozens of scholarships, several campus landmarks, and supports many charities.

The Charles L. Mitchell Award

Daniel Keeton

Meteorologist-In-Charge, NOAA/National Weather Service, Sacramento, California



For leading change and nurturing the next generation of forecasters during a distinguished, three-decade career with the National Weather Service

Dan is a 1987 graduate of Oregon State University. His career with the National Weather Service began as a Meteorologist Intern in Barrow, Alaska. He held various leadership positions with the National Weather Service throughout the western U.S. during the past three decades. Currently, he's Meteorologist-In-Charge at the Sacramento Weather Forecast Office where he feels lucky to lead a team of amazingly talented, dedicated professionals.

The Francis W. Reichelderfer Award

Christopher C. Balch

Space Scientist, NOAA Space Weather Prediction Center, Boulder, Colorado



For distinguished contributions to understanding and forecasting space weather phenomena and developing operational products valued by stakeholders

Christopher Balch is a Space Scientist at NOAA's Space Weather Prediction Center. His 34-year career with NOAA has primarily been in SWPC's operational forecast center, with more recent work focused on the development of operational geomagnetic data, services and products, the transition of physics-based models to operations, and special support for the electrical power industry. Dr. Balch received his Ph.D. at the University of Colorado, Boulder, Astrophysical and Planetary Sciences Department.

The Nicholas P. Fofonoff Award

Emily Shroyer

Associate Professor, CEOAS, Oregon State University, Corvallis, Oregon



For developing clear and quantitative understanding of a range of ocean processes that shape the marine environment and its coupling to the atmosphere

Dr. Emily Shroyer is an Associate Professor at Oregon State University and a sea-going oceanographer with interests in small-scale ocean dynamics. Dr. Shroyer received a B.S. in Physics from the University of Alaska, Fairbanks (2000), was a Peace Corps volunteer in Ghana from 2001-2003, and received a Ph.D. from Oregon State in 2009. She was a Postdoctoral Scholar at Woods Hole Oceanographic Institution from 2009-2011, prior to returning to OSU as a faculty member.

The Henry G. Houghton Award

Francina Dominguez

Associate Professor, Department of Atmospheric Sciences, University of Illinois, Urbana, Illinois



For pioneering contributions to terrestrial hydrometeorology and improving our understanding of land-atmosphere interactions

As a hydroclimatologist, Francina Dominguez' work focuses on the interactions between the land and the atmosphere, and specifically, on changes in hydrology and climate due to land surface changes and greenhouse gas emissions. The two primary lines of research in her group look at land-atmosphere interaction from two perspectives: 1) the effect of climate variability and change, primarily extreme events, on surface hydrology and 2) the effect of changes in surface hydrology on climate.

The Clarence Leroy Meisinger Award

Trude Storelvmo

Associate Professor, Yale University, New Haven, Connecticut



For outstanding advances in understanding the role of mixed-phase processes in cloud-climate feedbacks

Trude Storelvmo is a climate scientist, focusing her research on the role of aerosol particles and clouds in Earth's climate. Specifically, she works on questions related to aerosol indirect effects, cloud-climate feedbacks, climate engineering and climate sensitivity. She has published ~45 papers in peer-reviewed journals to date, contributed to Chapter 7 (on clouds and aerosols) of the last IPCC report (IPCC AR5), and was among the group of experts scoping the upcoming IPCC report (AR6).

The Joanne Simpson Mentorship Award

Ken Carey

Vice President, Science and Engineering Business Units, ERT, Inc., Laurel, Maryland



For generous, energetic, and thoughtful mentoring of hundreds of students and early-career professionals throughout a distinguished career

Carey has over 35 years of military and civilian career experience including working with NOAA Satellites, Data and Information Service, National Weather Service, and Joint Center for Satellite Data Assimilation to create solutions for weather readiness and strengthen partnerships. He worked for Department of Defense launching missiles and space crafts and completed operations analysis for the Presidential Quadrennial Defense Research program. Throughout his career, he has provided mentorship to meteorology students and young professionals leading to fulfilled livelihoods.

The Kenneth C. Spengler Award

Betsy Weatherhead

Senior Scientist, University of Colorado at Boulder, Boulder, Colorado



For creating linkages and fostering open communication about forecast improvements among the public, private, and academic sectors of the weather enterprise

Betsy Weatherhead has worked to improve weather forecasts by bringing together experts from the public, private and academic sectors within the AMS Board on Enterprise Communication. She co-chaired four Summer Community Meetings, founded and originally chaired the Forecast Improvement Group and continues to support women and under-represented groups for professional advancement. Her scientific interests focus on applying statistical techniques to problems including trend detection, forecast verification and modes of variability.

The Charles E. Anderson Award

Vernon Morris

Professor, Howard University, Washington, D.C.



For tireless promotion of programs that provide enhanced research and academic opportunities for minorities in atmospheric science, and enhancing access to science in underserved communities

Dr. Morris is a Professor of Chemistry and Atmospheric Sciences at Howard University. He is the Founding Director of the Atmospheric Sciences Program and the Director of a NOAA cooperative science center for Atmospheric Sciences and Meteorology. He also maintains adjunct academic appointments at several institutions. Passionate about broadening the participation of underrepresented groups in STEM, he has guided the research for more than 150 students with many receiving advanced degrees in science or medicine.

The Cleveland Abbe Award For Distinguished Service to Atmospheric Science by an Individual

Ghassem R. Asrar

Director, Joint Global Change Research Institute, Pacific Northwest National Laboratory, University of Maryland, College Park, Maryland



For exceptional leadership of major activities at NASA and the World Climate Research Program that advanced climate science and its relevance to society

Ghassem Asrar is the director of Joint Global Change Research Institute, a partnership between Pacific Northwest National Laboratory and University of Maryland. Prior to this position, he served as the director of World Climate Research Program in Geneva, Switzerland and Deputy Administrator for USDA Agricultural Research Service, following 22 years of service in Earth and Space sciences with NASA. He has published more than 200 scientific and technical papers and books in open literature.

The Edward N. Lorenz Teaching Excellence Award

Susan C. van den Heever

Professor, Department of Atmospheric Science,
Colorado State University, Fort Collins, Colorado



For enduring passion for teaching and mentoring, for engaging students both inside and outside the classroom, and for unrelenting dedication to training future scientists

Sue van den Heever joined the CSU faculty in 2008. Her research interests include the microphysical and dynamical processes of convective storms, aerosol-cloud interactions, and the numerical parameterization of such processes. She teaches classes in cloud physics, cloud dynamics and mesoscale modeling and oversees the development of the RAMS model. She is an author of the book “Storm and Cloud Dynamics” and is currently an editor of the *Journal of the Atmospheric Sciences*.

The Charles Franklin Brooks Award

David R. Smith

Associate Professor (Retired), Formerly of the Oceanography Department, United States Naval Academy



For longstanding service to the Society through initiation of, and passionate dedication to, its education programs and activities

David Smith has dedicated much of his professional career to the educational initiatives of the American Meteorological Society. He served as co-Director of the Maury Project since 1994 and on the instructional staff of Project ATMOSPHERE and all DataStreme programs. He chaired the Board on Outreach and Pre-college Education, served on the Board of Higher Education and the Program Co-Chair for the Symposium on Education (20 years) and the Commissioner for Education and Human Resources.

The David and Lucille Atlas Remote Sensing Prize

Dara Entekhabi

Professor, Massachusetts Institute of Technology, Cambridge Massachusetts



For scientific and technical leadership in providing remote sensing data and in their use to address basic questions in hydrological science

Dara Entekhabi received B.S. and M.S. degrees from Clark University and a Ph.D. degree from MIT. He is currently the Bacardi and Stockholm Water Foundations Professor at MIT. He is the Science Team lead for the NASA's Soil Moisture Active and Passive satellite mission (launched January 2015). His research includes data assimilation and land–atmosphere interaction. He is a Fellow of the AMS, AGU and IEEE societies. He is a member of the NAE.

The Hydrologic Sciences Medal

Witold F. Krajewski

Professor of Civil and Environmental Engineering, The University of Iowa, Iowa City, Iowa



For foundational contributions to radar hydrometeorology, and for leading the only center in the United States dedicated to flood research

Witold F. Krajewski is the Rose & Joseph Summers Chair in Water Resources Engineering at the Civil & Environmental Engineering at the University of Iowa. He is Director of the Iowa Flood Center. His research spans rainfall estimation, rainfall-runoff modeling and prediction, uncertainty quantification and hydroinformatics. He is Fellow of AMS and AGU and in 2012 served as Chair of the Board of Directors of the Consortium of Universities for the Advancement of Hydrologic Sciences.

The Henry Stommel Research Award

Gregory C. Johnson

Oceanographer, Pacific Marine Environmental Laboratory/NOAA, Seattle, Washington



For fundamental contributions to understanding oceanic variability, from equator to poles and surface to abyss, and for pioneering studies of the oceans' role in climate

Gregory Johnson and his dedicated research group collect and calibrate high quality data for both Argo (autonomous profiling floats) and GO-SHIP (repeated oceanographic transects). With awe and some trepidation, Dr. Johnson analyzes, from observations, the oceans' changing physical state. He has served as an IPCC AR5 WG1 Lead Author and editor of the Global Oceans chapter for three annual State of the Climate reports. He earned his Ph.D. in Oceanography from the MIT/WHOI Joint Program.

The Verner E. Suomi Award

Gary S.E. Lagerloef

Aquarius Principal Investigator, Earth and Space Research, Seattle, Washington



For outstanding, decades-long leadership in advancing remote sensing technology for ocean salinity, which led to the groundbreaking Aquarius satellite mission

Co-founder (1995) Earth & Space Research, Seattle, and Principal Investigator of the NASA Aquarius Mission, launched in 2011 to study the interactions between the water cycle, ocean circulation and climate. Ph.D., Oceanography, University of Washington, 1984. Author of more than 60 scientific publications/presentations and has served on NASA Science Working Teams for satellite missions to measure sea level, Ocean Vector Winds, and the Tropical Rainfall Measurement Mission. Member AMS, AGU, AAAS, TOS and IEEE.

The Sverdrup Gold Medal Award

Michael Alexander

Meteorologist, NOAA/ESRL, Physical Sciences Division, Boulder, Colorado



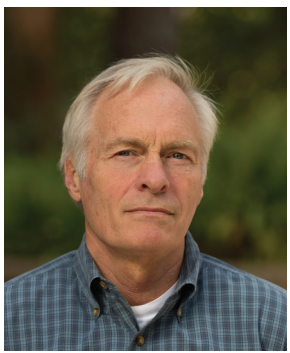
For innovative and insightful studies of large-scale air-sea interactions and their role in climate variability, and interdisciplinary work on climate change impacts on marine ecosystems

After receiving his Ph.D. from the University of Wisconsin-Madison, Michael Alexander was a research scientist at the University of Colorado before becoming a meteorologist at NOAA's Earth System Research Laboratory in Boulder, Colorado. Mike has researched El Niño and its effects on global air-sea interactions, ocean processes and their role in climate variability, and the influence of climate change on ecosystems. He greatly appreciates the talented scientists he has collaborated with on these diverse topics.

The Jule G. Charney Award

Dennis P. Lettenmaier

Professor, University of California Los Angeles, Los Angeles, California



For fundamental and visionary research on the hydrological impacts of climate change, and the pioneering development of land surface models and continental-to-global scale data sets

Dennis P. Lettenmaier is a Distinguished Professor of Geography at UCLA with interests in hydrologic modeling and prediction, hydrology-climate interactions, and hydrologic change. He was the first Chief Editor of AMS's *Journal of Hydrometeorology*, and is a past AMS Council member. He has co-authored over 300 journal articles with colleagues at many universities and government agencies in the U.S. and internationally, and considers those collaborations one of the most gratifying aspects of his career.

The Carl-Gustaf Rossby Research Medal

Kuo-Nan Liou

Distinguished Professor & Director, Atmospheric & Oceanic Sciences Department & JIFRESSE, UCLA, Los Angeles, California



For intellectual leadership and seminal contributions to improving the theory and application of atmospheric radiative transfer and its interactions with clouds and aerosols

Kuo-Nan Liou is a Distinguished Professor of Atmospheric Sciences and Director of the Joint Institute for Regional-Earth-System Science and Engineering at UCLA. Liou authored 258 peer-reviewed papers and 4 monographs on atmospheric radiation and cloud physics. Elected to the National Academy of Engineering in 1999 and Academia Sinica in 2004, he received the 1998 AMS Jule G. Charney Award, 2010 COSPAR Biennial William Nordberg Medal, 2012 IRC's Quadrennial Gold Medal, and 2013 AGU Roger Revelle Medal.

AMS Honorary Member

Richard B. Alley

Evan Pugh University Professor of Geosciences,
The Pennsylvania State University, University Park,
Pennsylvania



Dr. Richard B. Alley (Ph.D. 1987, Geology, Wisconsin) studies the great ice sheets to help interpret past climate and project future sea level, and to understand how glaciers sculpt landscapes, working with the Penn State Ice and Climate Exploration (PSICE) team. He is happily married with two grown daughters, two stay-at-home cats, a bicycle, and a pair of soccer cleats.

AMS Honorary Member

Rita R. Colwell

Distinguished University Professor, University of Maryland Institute for Advanced Computer Studies, College Park, Maryland



Distinguished University Professor at the University of Maryland and Johns Hopkins University and Chairman and Global Science Officer, CosmosID, Inc. Her interests are genomics, molecular microbial systematics, and ecology. Dr. Colwell was 11th Director of the National Science Foundation. She has authored/co-authored 19 books and 800 scientific publications. She is a member of the National Academy of Science and has been awarded the Stockholm Water Prize, and the U.S. National Medal of Science.

AMS Honorary Member

Richard S. Greenfield

Director, Division of Atmospheric Sciences (Retired),
National Science Foundation, Alexandria, Virginia



Dr. Greenfield received his Ph.D. from New York University. Subsequently, he held positions at various research institutions where he performed pioneering work in cloud modeling. He served at NSF from 1974 –1999 ending with 6 years as director of the Division of Atmospheric Sciences. There he established the UNIDATA program and served as NSF coordinator for GATE. He then joined AMS to create and serve as the first director of the well-respected AMS Policy Program.

99TH ANNUAL MEETING

See you in



Phoenix, Arizona

6–10 January 2019