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American Meteorological Society Announces 2027 Weather, Water, and Climate Honorees

Awardees, new AMS Fellows, and Honorary Members will be recognized at the AMS 107th Annual Meeting.

[Boston, MA—July 30, 2026] Each year, the American Meteorological Society recognizes outstanding contributions to the weather, water, and climate community by individuals and organizations. The Society–which encompasses researchers, broadcast meteorologists, forecasters, social scientists, and more–today announces its 2027 Awards and Honors. **Recipients will be honored at the 107th AMS Annual Meeting in Denver, 10–14 January 2027.**

"AMS awards help to build community by recognizing outstanding people from across the Weather, Water, and Climate Enterprise who have made a positive difference in the world," says AMS Past President David Stensrud, chair of the AMS Awards Oversight Committee. "This celebration also highlights the many important roles that are foundational to our continued success in serving society: fundamental and applied research, public engagement and communication, teaching and mentorship, and informed decision-making. In a time of rapid change and upheaval, the work of the awardees and their peers reminds us that our work is essential for a thriving world. Please join me in congratulating this year's awardees! I also want to thank everyone who submitted an award nomination and our volunteer Awards Oversight Committee members."

Read about the AMS honorees for 2027 below.

Honorary Members

AMS Honorary Members are "persons of acknowledged preeminence in the atmospheric or related oceanic or hydrologic sciences, either through their own contributions to the sciences or their application or through furtherance of the advance of those sciences in some other way." The following people are named AMS Honorary Members:

- **Inez Fung**
- **Keith Seitter**
- **J. Marshall Shepherd**
- **Louis W. Uccellini**

Science and Technology Medals

THE CARL-GUSTAF ROSSBY RESEARCH MEDAL

*Awarded to **Rong Fu**, for pioneering observational insights into the atmospheric water cycle and land-atmosphere coupling, advancing understanding of precipitation, drought, and fire weather, showing exceptional scientific leadership.*

THE HENRY STOMMEL RESEARCH MEDAL
*Awarded to **Paola Cessi**, for distinguished work advancing our fundamental understanding of the dynamics of the large-scale ocean meridional overturning circulation and its role in climate.*

THE HYDROLOGIC SCIENCES MEDAL
*Awarded to **Sharon Nicholson**, for fundamental contributions to the understanding of dryland hydroclimatology, especially in Africa, and dedicated involvement with scientists and organizations worldwide.*

THE SVERDRUP GOLD MEDAL
*Awarded to **Renhe Zhang**, for fundamental contributions to understanding Asian monsoon variability in connection with ocean-atmosphere interactions in the Northwest Pacific and coupled modes such as ENSO.*

THE VERNER E. SUOMI TECHNOLOGY MEDAL
*Awarded to **Christian Kummerow**, for pioneering advances in satellite microwave remote sensing of precipitation, which have transformed global water cycle observations and applications for weather, hydrology, and climate science.*

THE JULE G. CHARNEY MEDAL
*Awarded to **David Thompson**, for improved understanding of modes of climate variability, the role of the stratosphere in global change, and the accuracy of observed temperature records.*

THE WARREN WASHINGTON RESEARCH AND LEADERSHIP MEDAL
*Awarded to **Venkatachalam Ramaswamy**, for original and highly influential research providing fundamental insights into radiation-climate interactions and for visionary leadership as director of NOAA's Geophysical Fluid Dynamics Laboratory.*

Science and Technology Prizes

THE JAGADISH SHUKLA EARTH SYSTEM PREDICTABILITY PRIZE
*Awarded to **Xin-Zhong Liang**, for enabling actionable decision support by pioneering advances in regional Earth system modeling, hydroclimate predictability, and integrated human-Earth system prediction.*

Service Awards

THE CHARLES FRANKLIN BROOKS AWARD FOR OUTSTANDING SERVICE TO THE SOCIETY
*Awarded to **Jeff Waldstreicher**, in recognition of two decades of innovation and exemplary service as Chair of the* Bulletin of the American Meteorological Society*'s Editorial Board.*

THE CLEVELAND ABBE AWARD FOR DISTINGUISHED SERVICE TO THE ATMOSPHERIC AND RELATED SCIENCES
*Awarded to **Eric DeWeaver**, for two decades of distinguished leadership of NSF's Climate and Large-Scale Dynamics Program, sustaining community modeling, observing systems, and generations of scientists.*

*Awarded to **Jim Mather** for exceptional, sustained service that has strengthened the infrastructure, integrity, accessibility, and scientific impact of one of the atmospheric sciences' most important observational user facilities.*

Teaching and Mentorship Awards

THE EDWARD N. LORENZ TEACHING EXCELLENCE AWARD
*Awarded to **Jennifer D. Small Griswold**, for visionary, inclusive, innovative teaching that bridges atmospheric science with culture, place, and community, and for sustained mentorship that empowers students across disciplines and backgrounds..*

THE ROBERT H. AND JOANNE SIMPSON MENTORSHIP AWARD
*Awarded to **Isha M. Renta López**, for tireless commitment to mentoring early-career scientists and expanding STEM access for Hispanic/Latin communities through innovative science communication and impactful community engagement.*

Awards for Outstanding Contributions

THE KENNETH C. SPENGLER AWARD
*Awarded to **Peter Van Oevelen**, for distinguished leadership of the International GEWEX Project Office, bridging weather, water, and climate communities and fostering inclusive, global collaboration across Earth system sciences.*

THE JOANNE SIMPSON TROPICAL METEOROLOGY RESEARCH AWARD
*Awarded to **David Nolan**, for significant scholarship using theory, field measurements, and modeling that has advanced the fundamental understanding of hurricane dynamics and improved hurricane forecast operations.*

THE SYUKURO MANABE CLIMATE RESEARCH AWARD
*Awarded to **John Mitchell**, for the groundbreaking development and use of climate models to assess the role of greenhouse gases and aerosols in human-caused climate change.*

THE AWARD FOR OUTSTANDING CONTRIBUTION TO THE ADVANCE OF APPLIED METEOROLOGY
*Awarded to **Sara Pryor**, for outstanding contributions to actionable research, leadership, international collaborations, and mentorship that have helped to advance the field of renewable energy.*

THE HENRY T. HARRISON AWARD FOR OUTSTANDING CONTRIBUTIONS BY A CONSULTING METEOROLOGIST
*Awarded to **Wayne Sand, CCM**, for over 60 years of advancing aviation meteorology, forensic consulting, and safety through research, mentorship, and exceptional operational expertise.*

THE CHARLES E. ANDERSON AWARD
*Awarded to **Mona Behl**, for exceptional leadership in advancing diversity and equity through systemic organizational change, dedicated mentorship, and unwavering advocacy for underrepresented voices in the geosciences.*

THE HELMUT E. LANDSBERG AWARD
*Awarded to **Shiguang Miao**, for pioneering contributions to urban meteorology, climate science, and numerical modeling that have advanced forecasting, disaster risk reduction, and resilience.*

THE AWARD FOR OUTSTANDING ACHIEVEMENT IN BIOMETEOROLOGY

*Awarded to **Claudia Wagner-Riddle**, for groundbreaking contributions toward our understanding of the processes that regulate greenhouse-gas emissions from agroecosystems.*

THE AWARD FOR OUTSTANDING CONTRIBUTIONS TO BOUNDARY-LAYER METEOROLOGY
*Awarded to **John Albertson**, for groundbreaking research connecting fundamental turbulence physics with critical environmental challenges using theory, numerical simulations, and field experiments.*

THE FRANCIS W. REICHELDERFER AWARD
*Awarded to the **National Weather Service AI Language Translation Program Team** for pioneering the NWS's first AI-powered multilingual weather translation system, expanding life-saving weather information to millions of people.*

Broadcast Meteorology Awards

THE JUNE BACON-BERCEY AWARD FOR BROADCAST METEOROLOGY
*Awarded to **Jay Trobec**, for three decades of exemplary service and global leadership advancing broadcast meteorology across borders and generations.*

THE AWARD FOR EXCELLENCE IN SCIENCE REPORTING BY A BROADCAST METEOROLOGIST
*Awarded to **Drew Anderson**, for excellence as a station scientist, illuminating the science behind current events from earthquakes to auroras, with clarity, curiosity, and engaging storytelling.*

Early-Career Awards

THE CLARENCE LEROY MEISINGER AWARD
*Awarded to **Ángel Adames Corraliza**, for innovative and impactful contributions to the development of moisture mode theory that has advanced fundamental understanding of tropical dynamics.*

THE AWARD FOR EARLY-CAREER PROFESSIONAL ACHIEVEMENT
*Awarded to **Aaron Piña**, a transformative early-career leader who effectively bridges science, policy, and community service, having a positive impact on the AMS community.*

THE NICHOLAS P. FOFONOFF AWARD
*Awarded to **Zhiwei Zhang**, for outstanding contributions to our understanding of submesoscale-to-mesoscale ocean dynamics by integrating observations, theory, and modeling.*

THE HENRY G. HOUGHTON AWARD
*Awarded to **Karen McKinnon**, for contributions to understanding how internal variability and land-atmosphere feedbacks shape temperature and precipitation extremes in a changing climate.*

Forecaster Awards

THE AWARD FOR AN EXCEPTIONAL SPECIFIC PREDICTION
*Awarded to the **National Weather Service Paducah, KY**, for exceptional, life-saving forecasts of historic high-impact weather events in Spring 2025.*

THE CHARLES L. MITCHELL AWARD
*Awarded to **Jason Sippel** for outstanding leadership and long-term dedication to improving hurricane forecasting by advancing and optimizing the use of reconnaissance observations in NOAA operations.*

AMS Chapter Awards

LOCAL CHAPTER OF THE YEAR AWARD
*Awarded to the **Farthest North Chapter of the AMS**, for serving as a hub for weather and climate engagement, linking students, professionals, and communities in the pursuit of safety, knowledge, and collaboration.*

LOCAL STUDENT CHAPTER OF THE YEAR AWARD
*Awarded to the **CU Boulder American Meteorological Society Chapter (CUBAMS)**, for cultivating lasting student networks, leading impactful community outreach, and establishing a strong, visible presence throughout the American Meteorological Society.*

Lectureship Awards

The Society's lectureships recognize outstanding midcareer scientists. Lectures will be delivered at AMS meetings in 2027.

THE WALTER ORR ROBERTS LECTURER: Jeffrey Pierce
For highly impactful, policy-relevant interdisciplinary research on the influence of atmospheric particulate matter on air quality, climate, and human health.

THE ROBERT E. HORTON LECTURER IN HYDROLOGY: Ashok Mishra
For pioneering contributions that have advanced knowledge of drought migration and propagation, and its impacts on water security.

THE BERNHARD HAURWITZ MEMORIAL LECTURER: Daniela Domeisen
For foundational contributions to understanding the dynamics of stratosphere-troposphere coupling and its implications for subseasonal weather and climate prediction.

Special Awards

Special Award to the **National Lightning Safety Council** *for 25 years of dedicated public education and advocacy, saving countless lives by significantly reducing lightning fatalities nationally and globally*.

Editor's Awards

The Editor's Award is given to an individual for outstanding service to the AMS journals, the *Glossary of Meteorology*, and the Meteorological Monographs. Services may include providing exceptional reviews in a timely fashion, providing consistently helpful reviews, or providing reviews of difficult submissions, as well as other assistance to the publication. Editor's award winners for 2027 are:

Bulletin of the American Meteorological Society
- Ariel Cohen
- Simon Pfreundschuh

Artificial Intelligence for the Earth Sciences
- Antonios Mamalakis

Earth Interactions
- Patricia Parker

Journal of Applied Meteorology and Climatology
- Daniel J. Cecil

Journal of Applied Meteorology and Climatology AND Monthly Weather Review

- Jana Houser

Journal of the Atmospheric Sciences

- Michael Waite
- David Schecter

Journal of Climate

- Renguang Wu
- Yujia You

Journal of Hydrometeorology

- Veljko Petković

Journal of Physical Oceanography

- Delphine Hypolite

Journal of Atmospheric and Oceanic Technology

- Gleb Panteleev

Monthly Weather Review

- Bowen Zhou

Monthly Weather Review AND Weather and Forecasting

- Keith Sherburn

Weather and Forecasting

- Victor Gensini

Cross-Journal

- Pete Finocchio

New AMS Fellows

AMS Fellows are elected by the AMS Council based on “outstanding contributions to the atmospheric or related oceanic or hydrologic sciences or their applications during a substantial period of years." New AMS Fellows in 2027 are:

- **Peter Blanken**
- **Heidi Centola**
- **Paola Cessi**
- **Sen Chiao**
- **Eric DeWeaver**
- **Larry DiGirolamo**
- **Xiquan Dong**
- **Matthew England**
- **Auroop Ganguly**
- **Jonathan Gourley**
- **Yang Hong**
- **Charles Ichoku**
- **Daryl Kleist**
- **Pavlos Kollias**
- **Sujay Kumar**
- **Venkataraman Lakshmi**
- **Tim Li**
- **Jim Mather**
- **Trevor McDougall**
- **Ronald McTaggart-Cowan**
- **Hamid Moradkhani**
- **Lynn Russell**
- **Matthew Shupe**
- **Armin Sorooshian**
- **Joao Teixeira**
- **Gabriele Villarini**
- **Olga Wilhelmi**

- **Yang Zhang**

Learn more about AMS Awards and Honors here. View this year's awardees online here.

About the American Meteorological Society

The American Meteorological Society advances the atmospheric and related sciences, technologies, applications, and services for the benefit of society. Founded in 1919, AMS has a membership of around 12,000 professionals, students, and weather enthusiasts. AMS publishes 12 atmospheric and related oceanic and hydrologic science journals—in print and online; sponsors more than 12 conferences annually; and offers numerous programs and services. Visit us at **https://www.ametsoc.org/**.

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