

## **2015 AWARD WINNERS**

### **HONORARY MEMBERS**

**Richard A. Anthes**

**Elbert (Joe) W. Friday**

**Eugenia Kalnay**

### **THE CARL-GUSTAF ROSSBY RESEARCH MEDAL**

**Bin Wang**

For creative insights leading to important advances in the understanding of tropical and monsoonal processes and their predictability.

### **THE JULE G. CHARNEY AWARD**

**Alan Robock**

For fundamental contributions toward understanding the climatic effects of stratospheric aerosols from volcanoes and other potential sources, and the role of soil moisture in climate.

### **THE VERNER E. SUOMI AWARD**

**Frank Wentz**

For pioneering, painstaking work to accurately retrieve geophysical parameters from satellite microwave instruments and using these measurements to elucidate climate trends.

### **THE SVERDRUP GOLD MEDAL AWARD**

**Claude Frankignoul**

For profound contributions to the understanding of the atmosphere's stochastic forcing of the ocean and the ocean's feedback.

### **THE HENRY STOMMEL RESEARCH AWARD**

**Glenn R. Flierl**

For fundamental insights into the dynamics of vortices and geostrophic turbulence and their impact on marine ecosystems.

### **THE CHARLES FRANKLIN BROOKS AWARD**

**David P. Jorgensen**

For over two decades of substantial contributions to, and visionary leadership of, the Society's all-important scientific publication process, including tireless service as Publications Commissioner (2007-2012).

### **THE CLEVELAND ABBE AWARD FOR DISTINGUISHED SERVICE TO ATMOSPHERIC SCIENCES**

**Dixon Matlock Butler**

For visionary, dedicated leadership in Earth observation, science education, and federal management of science which has had lasting impact on the development of Earth System Science.

### **THE CHARLES E. ANDERSON AWARD**

**Kevin Kloesel**

For over two decades of dedication to engaging minority and under-represented groups in the atmospheric sciences through community outreach and academic leadership.

### **THE KENNETH C. SPENGLER AWARD**

**Barry Lee Myers**

For outstanding, highly principled leadership of the American weather industry over five decades and fostering strong cooperation between private sector and government weather services.

### **THE JOANNE SIMPSON MENTORSHIP AWARD**

**Eugenia Kalnay**

For effectively mentoring many early career scientists, with her unstinting generosity of time and attention in providing advice, encouragement, leadership, and inspiration.

### **THE EDWARD N. LORENZ TEACHING EXCELLENCE AWARD**

**Gary Lackmann**

For his passion and extraordinary commitment to teaching and mentoring students, and his ability to make complex material lucid and approachable.

### **THE CLARENCE LEROY MEISINGER AWARD**

**Paul Markowski**

For advancing knowledge about the genesis of tornadoes through a rich mix of observations, theory, and numerical modeling.

### **THE HENRY G. HOUGHTON AWARD**

**Yi Ming**

For major advances in the understanding and modeling of the role of atmospheric aerosols in the radiative forcing of regional and global climate.

### **THE NICHOLAS P. FOFONOFF AWARD**

**Andrew Hogg**

For fundamental advances in understanding the impact of ocean eddies on the large-scale circulation, flow through straits, and turbulent mixing.

### **THE AWARD FOR OUTSTANDING ACHIEVEMENT IN BIOMETEOROLOGY**

**Xuhui Lee**

For masterfully combining theory and observations to gain new insights into the nature and consequences of biosphere-atmosphere interactions.

**THE AWARD FOR OUTSTANDING CONTRIBUTION TO THE ADVANCE OF APPLIED METEOROLOGY**

**Jon Davis**

For a distinguished career in advancing the application of weather and climate information to the energy, agriculture, and other weather-sensitive industries.

**THE AWARD FOR OUTSTANDING SERVICES TO METEOROLOGY BY A CORPORATION**

**Lockheed Martin (LMC)**

For over five decades of outstanding contributions to atmospheric, ocean, and heliophysics science and operational forecasting through production of satellites, radars, sensors, and information technology.

**THE AWARD FOR BROADCAST METEOROLOGY**

**Lisa Spencer**

For her professionalism and long-standing dedication to her viewers and community, through countless outreach efforts and promotion of severe weather preparedness.

**THE HENRY T. HARRISON AWARD FOR OUTSTANDING CONTRIBUTIONS BY A CONSULTING METEOROLOGIST**

**Steven R. Hanna**

For a distinguished career of providing innovative, pertinent solutions to clients, delivered with utmost integrity and grounded upon broad scientific expertise.

**THE AWARD FOR DISTINGUISHED SCIENCE JOURNALISM IN THE ATMOSPHERIC AND RELATED SCIENCES**

**Doyle Rice**

For accurate, engaging reporting that brought forward the latest science to inform the public about a wide range of weather and climate topics.

**THE AWARD FOR AN EXCEPTIONAL SPECIFIC PREDICTION**

**NOAA/NWS Forecast Office, Norman, Oklahoma**

For detailed, life-saving forecasts provided days through hours leading up to the EF-5 tornado that struck Newcastle, Moore, and Oklahoma City on May 20, 2013.

**THE FRANCIS W. REICHELDERFER AWARD**

**Richard (Rick) D. Smith**

For vision, long-standing dedication, and the use of innovative technologies to enhance public safety in preparing for, and responding to, severe weather.

**THE HELMUT E. LANDSBERG AWARD**

**Dale A. Quattrochi and Jeffrey C. Luvall**

For original contributions and leadership in using high-resolution thermal remote sensing data to understand the urban heat island effect and its environmental consequences.

### **THE LOUIS J. BATTAN AUTHOR'S AWARD**

**Ian Roulstone and John Norbury**

For *Invisible in the Storm*, which illuminates the mathematical foundation of weather prediction with lucid prose that provides a bridge between meteorologists and the public.

### **THE LOUIS J. BATTAN AUTHOR'S AWARD K-12 CATEGORY**

**Seymour Simon**

For *Extreme Earth Records*, which, by virtue of its dynamic photos and conversational tone, engages kids' curiosity about record-breaking events as a springboard for explaining science.

### **SPECIAL AWARD**

**UW-Madison CIMSS Tropical Cyclone Group**

**Christopher Velden, Timothy Olander, Derrick Herndon, Anthony Wimmers, David Stettner, Steven Wanzong, Sarah Griffin, John Sears, Jason Dunion**

For providing the weather community with valuable tropical cyclone-related satellite information and derived products for over two decades.

### **THE BANNER I. MILLER AWARD**

**Fuqing Zhang, Yonghui Weng, John Gamache, Frank Marks**

For valuable insights into incorporating real-time airborne Doppler radar measurements via ensemble data assimilation, leading to improvements in forecasts of tropical cyclone track and intensity.

### **THE AWARD FOR OUTSTANDING CHAPTER OF THE YEAR**

**Blue Ridge Chapter**

**Blacksburg, Virginia**

For outreach in raising community awareness about severe weather, and excellence in career building through a diverse speaker series and networking opportunities for chapter members.

### **THE AWARD FOR OUTSTANDING STUDENT CHAPTER OF THE YEAR**

**Southwest Pennsylvania Student Chapter**

**California, Pennsylvania**

For its long-standing educational outreach, its strong, multifaceted focus on member education, and exemplary interaction with other local chapters.

### **EDITOR'S AWARD**

***Journal of Applied Meteorology and Climatology***

**Trevor Alcott**

For an exceptionally thoughtful and detailed set of reviews on a complicated manuscript that provided excellent insights and helped improve the paper.

### **EDITOR'S AWARD**

***Monthly Weather Review***

**Jason Sippel**

For providing insightful and constructive feedback on numerous submissions on a broad range of topics, and for undertaking such reviews with extremely tight deadlines.

**EDITOR'S AWARD**

*Monthly Weather Review*  
*Weather and Forecasting*

**Russ Schumacher**

For thorough reviews of a large number of manuscripts, considerably improving their scientific quality and thereby helping maintain the high standards of the two journals.

**EDITOR'S AWARD**

*Journal of Climate*

**John Fasullo**

For timely and thoughtful reviews of a large number of manuscripts.

**EDITOR'S AWARD**

*Journal of Climate*

**Courtney Schumacher**

For high quality reviews that help authors place their work into a broader context.

**EDITOR'S AWARD**

*Journal of Atmospheric and Oceanic Technology*

**James C. McWilliams**

For timely, high quality reviews of manuscripts related to numerical ocean modeling.

**EDITOR'S AWARD**

*Journal of Atmospheric and Oceanic Technology*

**Renzo Bechini**

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

**EDITOR'S AWARD**

*Journal of Physical Oceanography*

**Laurie Padman**

For consistently providing insightful and thorough reviews in true collegial spirit.

**EDITOR'S AWARD**

*Journal of the Atmospheric Sciences*

**Judith Lean**

For her expert reviews that were always constructive, probing, and encouraging.

**EDITOR'S AWARD**

*Journal of the Atmospheric Sciences*

**Evgeni Fedorovich**

For insightful, timely, and thorough reviews and re-reviews of several manuscripts during the last two years.

**EDITOR'S AWARD**

*Weather and Forecasting*

**Craig Schwartz**

For dedication to maintaining the journal's high standards by providing perceptive and constructive reviews of many manuscripts spanning a broad range of topics.

**EDITOR'S AWARD**

*Journal of Hydrometeorology*

**Faisal Hossain**

For numerous detailed, constructive, and timely reviews, often submitted well before the due date.

**EDITOR'S AWARD**

*Weather, Climate, and Society*

**Carla Roncoli**

For two independent, thorough, thoughtful, constructive reviews requested simultaneously by the editor.

**EDITOR'S AWARD**

*Bulletin of the American Meteorological Society*

**Bob Kuligowski**

For providing comprehensive, timely reviews that provided valuable stylistic and technical insights with unusual precision and thoughtfulness.

**EDITOR'S AWARD**

*Bulletin of the American Meteorological Society*

**John Nielsen-Gammon**

For extraordinary effort and thoroughness in evaluating a wide range of challenging and novel studies with versatility and perceptiveness.

**THE MAX A. EATON STUDENT PRIZE**

**Allison A. Wing**

For her paper, "Physical mechanisms controlling self-aggregation of convection in idealized numerical modeling simulations."

**THE PETER V. HOBBS STUDENT PRIZE**

**Zhujun Li**

For her paper, "On simulated trade-wind cumulus convection and cold pools."

**THE ROBERT E. HORTON LECTURER IN HYDROLOGY FOR 2015**

**P. C. D. "Chris" Milly**

For contributions to understanding the earth's hydrological cycle, climate-related land-atmosphere processes, and implications of climate trends and variability on hydrology and water resources.

**THE WALTER ORR ROBERTS LECTURER IN INTERDISCIPLINARY SCIENCES  
FOR 2015**

**Paul B. Shepson**

For outstanding and unique contributions to advancing our understanding of the atmospheric processes that govern the Arctic atmospheric boundary layer.

**THE BERNHARD HAURWITZ MEMORIAL LECTURER FOR 2015**

*Ngar-Cheung (Gabriel) Lau*

For pioneering work on atmospheric circulation systems, from oceanic storm tracks to atmospheric “bridges” connecting ocean anomalies in different basins, using observations and global models.

**2015 NEW FELLOWS**

JENNIFER C. ALEXANDER  
RICHARD A. BEHNKE  
ANTON BELJAARS  
CECILIA BITZ  
LARRY E. BRAZIL  
JAMES M. CANTORE, CBM  
JOHN A. CHURCH  
AMY C. CLEMENT  
THOMAS L. DELWORTH  
QINGYUN DUAN  
CLAUDE J. FRANKIGNOUL  
JAMES J. HACK  
MARTIN P. HOERLING  
CONRAD C. LAUTENBACHER, JR.  
AMANDA H. LYNCH  
GLORIA L. MANNEY  
ROBERT D. PALMER  
LORENZO POLVANI  
WARREN L. QUALLEY  
ALAN R. SEALLS, CBM  
MARK C. SERREZE  
MATTHIAS STEINER  
GREGORY J. TRIPOLI  
D. RANDOLPH WATTS  
FRANK WENTZ  
JACK C. WILLIAMS  
FUQING ZHANG  
RENYI ZHANG