

2012 AWARDS



AMERICAN METEOROLOGICAL SOCIETY

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

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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 the procedures at <http://www.ametsoc.org/awards/index.html>.

American Meteorological Society
45 Beacon Street
Boston, Massachusetts 02108
617-227-2425
email: amsmem@ametsoc.org
<http://www.ametsoc.org>

THE CARL–GUSTAF ROSSBY RESEARCH MEDAL

is presented to

JOHN C. WYNGAARD



For outstanding contributions to measuring, simulating,
and understanding atmospheric turbulence.

JOHN C. WYNGAARD, Professor Emeritus,
Department of Meteorology, The Pennsylvania State
University, University Park, Pennsylvania.

THE JULE G. CHARNEY AWARD

is presented to

CHRISTOPHER S. BRETHERTON



For fundamental contributions to our understanding of atmospheric moist convection, particularly the discovery of mechanisms governing the transition from stratocumulus to shallow cumulus convection.

CHRISTOPHER S. BRETHERTON,

Professor, Departments of Atmospheric Sciences and Applied Mathematics, University of Washington, Seattle, Washington.

THE VERNER E. SUOMI AWARD

is presented to

ANNE M. THOMPSON



For exceptional vision and leadership in deploying technologies that have significantly advanced the understanding of ozone dynamics in the atmosphere.

ANNE M. THOMPSON, Professor, Department of Meteorology, Earth and Environmental Sciences Institute (EESI), The Pennsylvania State University, University Park, Pennsylvania.

THE SVERDRUP GOLD MEDAL AWARD

is presented to

ALLAN J. CLARKE



For fundamental contributions to the dynamics of ocean currents and air-sea interaction with particular emphasis on the El Niño—Southern Oscillation.

ALLAN J. CLARKE, Adrian E. Gill Professor of Oceanography, Department of Earth, Ocean and Atmospheric Science, Florida State University, Tallahassee, Florida.

THE HENRY STOMMEL RESEARCH AWARD

is presented to

ROBERT PINKEL



For developing outstanding instrumentation, using it widely, and interpreting the results to advance understanding of numerous small-scale processes in the upper ocean.

ROBERT PINKEL, Professor of Oceanography, Associate Director, Marine Physical Laboratory, Scripps Institution of Oceanography, La Jolla, California.

THE REMOTE SENSING PRIZE

is presented to

V. N. BRINGI



For outstanding contributions to the advancement of
polarimetric Doppler weather radar.

V. N. BRINGI, Professor, Electrical and Computer
Engineering, Colorado State University, Fort Collins,
Colorado.

**THE CHARLES FRANKLIN BROOKS
AWARD FOR OUTSTANDING
SERVICES TO THE SOCIETY**

is presented to

GEORGE E. MCVEHIL



For conscientious and thoughtful service to the Society through many leadership roles including Councilor and Planning Commissioner.

GEORGE E. MCVEHIL, Principal, McVehil-Monnett Associates, Inc., Englewood, Colorado.

**THE CLEVELAND ABBE AWARD
FOR DISTINGUISHED SERVICE TO
ATMOSPHERIC SCIENCES BY AN
INDIVIDUAL**

is presented to

CHRIS ELFRING



For contributions across the atmospheric sciences and their application through leadership of the National Academies' Board on Atmospheric Sciences and Climate.

CHRIS ELFRING, Director, Board on Atmospheric Sciences and Climate, The National Academies, Washington, DC.

THE CHARLES E. ANDERSON AWARD

is presented to

SHIRLEY MURILLO



For outstanding support of minorities and women to promote a more diverse workforce through mentoring, education, and community service.

SHIRLEY MURILLO, NOAA/AOML/Hurricane Research Division, Miami, Florida.

THE KENNETH C. SPENGLER AWARD

is presented to

NOAA HAZARDOUS WEATHER TESTBED (HWT) TEAM



DAVID R. BRIGHT



JASON J. LEVITT



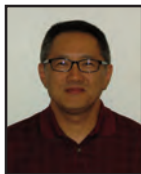
MICHAEL C. CONIGLIO



JACK KAIN



GREGORY W. CARBIN



JAY LIANG



RUSSELL S. SCHNEIDER



STEVEN J. WEISS

For bringing the government, academic, and private sectors together in a visionary, proactive, and exemplary manner to deal with the challenges posed by hazardous weather.

DAVID R. BRIGHT AND JASON J. LEVITT,
NOAA/NWS/NCEP/Aviation Weather Center, Kansas City,
Missouri.

MICHAEL C. CONIGLIO, NOAA/National Severe Storms
Laboratory, National Weather Service, Norman, Oklahoma.

JACK KAIN, NOAA/OAR/National Severe Storms Laboratory,
National Weather Service, Norman, Oklahoma.

**GREGORY W. CARBIN, JAY LIANG, RUSSELL S.
SCHNEIDER AND STEVEN J. WEISS**, NOAA/NWS/NCEP
Storm Prediction Center, Norman, Oklahoma.

THE JOANNE SIMPSON MENTORSHIP AWARD

is presented to

MARK C. WILLIS



For aiding NWS volunteer interns in gaining experience valuable to their future careers through dedicated mentorship, and sustained encouragement and guidance.

MARK C. WILLIS, Operational Support
Meteorologist/Marine Program Manager, NOAA National
Weather Service Eastern Region Headquarters, Bohemia,
New York.

THE TEACHING EXCELLENCE AWARD

is presented to

ROBERT G. FOVELL



For demonstrating there is no replacement for passion, commitment, organization, and mastery of the subject matter when it comes to excellent teaching.

ROBERT G. FOVELL, Professor of
Atmospheric and Oceanic Sciences, University of
California, Los Angeles, California.

**THE CLARENCE LEROY
MEISINGER AWARD**

is presented to

ZHIMING KUANG



For fundamental contributions to understanding tropical convection and its interaction with larger-scale circulations in the tropical atmosphere.

ZHIMING KUANG, Associate Professor,
Department of Earth and Planetary Sciences and School of
Engineering and Applied Sciences, Harvard University,
Cambridge, Massachusetts.

THE HENRY G. HOUGHTON AWARD

is presented to

HUGH MORRISON



For wide-ranging contributions to improving the understanding and modeling of cloud microphysical processes.

HUGH MORRISON, Scientist, National Center for Atmospheric Research, Boulder, Colorado.

THE NICHOLAS P. FOFONOFF AWARD

is presented to

LOUIS ST. LAURENT



For fundamental contributions to our understanding of small-scale mixing processes in the ocean and the different dynamical processes involved.

LOUIS ST. LAURENT, Associate Scientist,
Department of Physical Oceanography, Woods Hole
Oceanographic Institution, Woods Hole, Massachusetts.

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

is presented to

S. TRIVIKRAMA RAO



For extraordinary leadership and contributions to the field of air pollution meteorology through broad and proactive engagement regionally, nationally, and internationally.

S. TRIVIKRAMA RAO, Atmospheric Sciences Division, United States Environmental Protection Agency, Durham, North Carolina.

THE AWARD FOR OUTSTANDING ACHIEVEMENT IN BIOMETEOROLOGY

is presented to

WILLIAM P. KUSTAS



For tireless leadership and unparalleled contributions to the science-based application of remote sensing to estimate evapotranspiration and vegetation stress.

WILLIAM P. KUSTAS, Research Leader,
Hydrology and Remote Sensing Laboratory, USDA-
Agricultural Research Service, Beltsville, Maryland.

THE AWARD FOR BROADCAST METEOROLOGY

is presented to

ROBERT RYAN



In recognition of a career based on personal integrity and dedication to advancing the science of meteorology through broadcasting, education, promotion of safety, and support of colleagues.

ROBERT RYAN, Senior Meteorologist and Vice President, Digital Weather Strategies, ABC7, Washington, DC.

**THE AWARD FOR EXCELLENCE IN
SCIENCE REPORTING BY A
BROADCAST METEOROLOGIST**

is presented to

ROB MAYEDA



For work as photographer, editor, and reporter of *On Thin Ice*, highlighting the dramatic effects of Earth's warming climate in Alaska and its future impacts on the San Francisco Bay area.

ROB MAYEDA, Meteorologist/Multimedia
Producer, NBC Bay Area, San Jose, California.

THE CHARLES L. MITCHELL AWARD

is presented to

RONALD W. PRZYBYLINSKI



For improving NWS warnings through collaborative research and training in recognizing Doppler radar signatures associated with high wind events in quasi-linear convective systems.

RONALD W. PRZYBYLINSKI, Science and Operations Officer, NOAA National Weather Service, St. Louis, Missouri.

THE AWARD FOR AN EXCEPTIONAL SPECIFIC PREDICTION

is presented to

TIM GARNER



For highly accurate forecasts and superior briefings and decision support to the NASA Mission Control Center for Space Shuttle Endeavor's landing operations on the STS-123 mission.

TIM GARNER, Senior Meteorologist, NWS
Spaceflight Meteorology Group, Johnson Space Center,
Houston, Texas.

THE HELMUT E. LANDSBERG AWARD

is presented to

ERNESTO JÁUREGUI OSTOS



For pioneering work on the climates of tropical cities, especially Mexico City, demonstrating great scientific insight through observations and analyses.

ERNESTO JÁUREGUI OSTOS, Centre for Atmospheric Sciences, National Autonomous University of Mexico (UNAM), Mexico City, Mexico.

THE LOUIS J. BATTAN AUTHOR'S AWARD

is presented to

JAMES RODGER FLEMING



*For *Fixing the Sky: The Checkered History of Weather and Climate Control*, a comprehensive review of the history of weather modification, which culminates in a critical consideration of geo-engineering approaches to climate change.*

JAMES RODGER FLEMING, Professor of Science, Technology, and Society, Colby College, Waterville, Maine.

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

is presented to

**CHRISTIANE DORION &
BEVERLEY YOUNG**



CHRISTIANE DORION



BEVERLEY YOUNG

Uniquely interactive and visually stimulating, their stunning and informative book, *How the Weather Works: A hands-on guide to our changing climate*, engages readers of all ages in a variety of atmospheric science topics.

**CHRISTIANE DORION &
BEVERLEY YOUNG**, Templar Books, Dorking,
Surrey, United Kingdom.

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

is presented to

QUIRIN SCHIERMEIER



For *The Real Holes in Climate Science*, an insightful and candid article on key remaining gaps in understanding climate change.

QUIRIN SCHIERMEIER, Senior Reporter,
Nature, Munich, Germany.

SPECIAL AWARD

is presented to

MICHAEL S. GIBSON



For developing powerful but affordable and accessible software, widely used by researchers, forecasters, broadcasters, and amateurs to display and analyze convective storms and their environment.

MICHAEL S. GIBSON, Gibson Ridge Software, LLC, Suwanee, Georgia.

SPECIAL AWARD

is presented to

**WILLIAM RISON, PAUL KREHBIEL
& RONALD J. THOMAS**



WILLIAM RISON



PAUL KREHBIEL



RONALD J. THOMAS

For the development and implementation of Lightning Mapping Array technology and its transfer to the operational and research communities.

WILLIAM RISON, Professor of Electrical Engineering.

PAUL KREHBIEL, Professor of Physics.

RONALD J. THOMAS, Professor, New Mexico Institute of Mining and Technology, Socorro, New Mexico.

THE ROBERT LEVITON STUDENT PRIZE

is presented to

S. JOSEPH MUNCHAK



For his paper, *A Modular Optimal Estimation Method for Combined Radar-Radiometer Precipitation Profiling*.

S. JOSEPH MUNCHAK, Research Associate,
NASA Goddard Space Flight Center/ESSIC, Greenbelt,
Maryland.

THE SPIROS G. GEOTIS STUDENT PRIZE

is presented to

KRZYSZTOF ORZEŁ



For his paper, *Mobile X-band Dual Polarization Phased-Array Radar: System Requirements and Development*.

KRZYSZTOF ORZEŁ, Ph.D. Candidate,
Microwave Remote Sensing Laboratory, University of
Massachusetts, Amherst, Massachusetts.

EDITOR'S AWARD
Journal of the Atmospheric Sciences

is presented to

WOJCIECH GRABOWSKI



For frequent, timely, and in-depth reviews and re-reviews.

WOJCIECH GRABOWSKI, Senior Scientist,
NCAR, Boulder, Colorado.

EDITOR'S AWARD
Journal of the Atmospheric Sciences

is presented to

ISAAC M. HELD



For high-level and insightful reviews for a number of editors.

ISAAC M. HELD, Senior Research Scientist,
NOAA/Geophysical Fluid Dynamics Laboratory,
Princeton, New Jersey.

EDITOR'S AWARD
Journal of Applied Meteorology and
Climatology

is presented to

YIZHAK FELIKS



For consistently thorough scientific reviews that assist authors in improving their manuscripts.

YIZHAK FELIKS, Department of Mathematics,
Israel Institute for Biological Research, Ness Ziona Israel.

EDITOR'S AWARD
Journal of Physical Oceanography

is presented to

CHRIS GARRETT



For thorough and constructive reviews over a breadth of topics, and for fast and decisive resolution of conflicting reviews.

CHRIS GARRETT, Professor Emeritus,
University of Victoria, BC, Canada.

EDITOR'S AWARD
Monthly Weather Review

is presented to

JEFFREY D. KEPERT



For providing thorough and constructive reviews of a large number of manuscripts on a broad range of topics.

JEFFREY D. KEPERT, Head, High Impact Weather Research, Centre for Australian Weather and Climate Research, Melbourne, Victoria, Australia.

EDITOR'S AWARD
Journal of Atmospheric and
Oceanic Technology

is presented to

SERGEY Y. MATROSOV



For several thorough and detailed reviews that greatly improved a number of manuscripts.

SERGEY Y. MATROSOV, Senior Research Scientist, CIRES University of Colorado and NOAA Earth System Research Laboratory, Boulder, Colorado.

EDITOR'S AWARD
Weather and Forecasting

is presented to

ADAM J. CLARK



For a large number of thorough and timely reviews that were helpful and fair.

ADAM J. CLARK, Research Scientist,
Cooperative Institute for Mesoscale Meteorological
Studies, Norman, Oklahoma.

EDITOR'S AWARD
Weather and Forecasting

is presented to

JUN DU



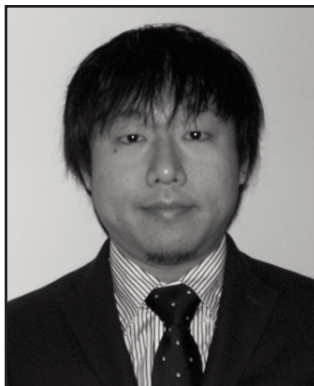
For completing several prompt reviews that were beneficial, constructive, and of high quality.

JUN DU, Meteorologist, Environmental Modeling Center, NOAA/NWS/National Centers for Environmental Prediction, Camp Springs, Maryland.

EDITOR'S AWARD
Journal of Climate

is presented to

TAKESHI DOI



For providing a thoughtful and decisive review of a difficult paper on short notice.

TAKESHI DOI, Postdoctoral Research Associate,
Princeton University AOS and NOAA/GFDL, Princeton,
New Jersey.

EDITOR'S AWARD
Journal of Climate

is presented to

MARK R. SINCLAIR



For reviews that are thoughtful, courteous, and written in a careful and constructive way.

MARK R. SINCLAIR, Professor, Department of Meteorology, Embry-Riddle Aeronautical University, Prescott, Arizona.

EDITOR'S AWARD
Journal of Hydrometeorology

is presented to

BALÁZS M. FEKETE



For timely, rigorous, comprehensive, and objective reviews.

BALÁZS M. FEKETE, Senior Scientist, CUNY Environmental CrossRoads Initiative, City College of New York, New York.

EDITOR'S AWARD
Journal of Hydrometeorology

is presented to

JOSEPH A. SANTANELLO, JR.



For timely, rigorous, and constructive reviews, and
commitment to the review process.

JOSEPH A. SANTANELLO, JR., Physical
Scientist, NASA/GSFC, Hydrological Sciences
Laboratory, Greenbelt, Maryland.

EDITOR'S AWARD
Weather, Climate, and Society

is presented to

ROSS N. HOFFMAN



For his careful, wide-ranging, and thoughtful reviews of difficult manuscripts.

ROSS N. HOFFMAN, Vice-President, R&D,
Atmospheric and Environmental Research, Lexington,
Massachusetts.

EDITOR'S AWARD
Bulletin of the
American Meteorological Society

is presented to

MIKE HULME



For insightful and constructive comments that helped to better articulate and support the manuscript's primary argument.

MIKE HULME, Professor of Climate Change,
School of Environmental Sciences, University of East
Anglia, Norwich, United Kingdom.

EDITOR'S AWARD
Bulletin of the
American Meteorological Society

is presented to

AMY K. SNOVER



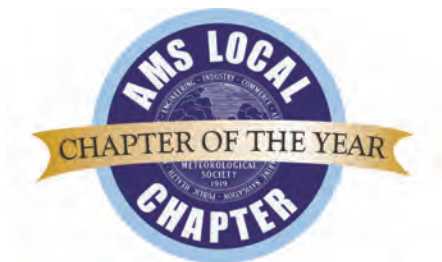
For a detailed and thoughtful review that helped the authors restructure and strengthen their manuscript.

AMY K. SNOVER, Co-Director, Climate Impacts Group, JISAO Center for Science in the Earth System, University of Washington, Seattle, Washington.

THE AWARD FOR OUTSTANDING CHAPTER OF THE YEAR

is presented to

OMAHA-OFFUTT



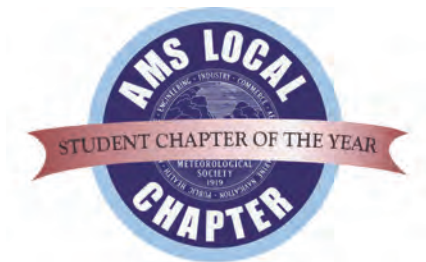
For increasing membership diversity, communicating membership information in unique ways, and continuing community outreach with a myriad of activities, including the support of student research.

OMAHA-OFFUTT, Omaha, Nebraska.

THE AWARD FOR OUTSTANDING STUDENT CHAPTER OF THE YEAR

is presented to

**UNIVERSITY OF PUERTO RICO
AT MAYAGÜEZ**



For building a regional community of weather awareness through communication with educators, contributing to a variety of local charities, and instituting novel approaches to membership integration.

UNIVERSITY OF PUERTO RICO,
Mayagüez, Puerto Rico.

**THE ROBERT E. HORTON
LECTURER IN
HYDROLOGY FOR 2012**

is presented to

DARA ENTEKHABI



For innovative and insightful contributions in hydroclimatology and its role in regional and global climate, and for pioneering achievements in the remote sensing of the hydrosphere.

DARA ENTEKHABI, Massachusetts Institute of Technology, Cambridge, Massachusetts.

**THE BERNHARD HAURWITZ
MEMORIAL LECTURER
FOR 2012**

is presented to

SANDRINE BONY



For her analyses of cloud feedbacks and to advancing our understanding of moist processes and clouds in the tropics.

SANDRINE BONY, Senior Scientist, National Center for Scientific Research, LMD/IPSL, Paris, France.

ELECTED HONORARY MEMBER

is presented to

WILFRIED BRUTSAERT



WILFRIED BRUTSAERT, W. L. Lewis
Professor of Engineering, Cornell University, Ithaca,
New York.

ELECTED HONORARY MEMBER

is presented to

YOSHI K. SASAKI



YOSHI K. SASAKI, George Lynn Cross Research
Professor Emeritus, The University of Oklahoma,
Norman, Oklahoma.

ELECTED HONORARY MEMBER

is presented to

JOHN M. WALLACE



JOHN M. WALLACE, Professor, Department of Atmospheric Sciences, University of Washington, Seattle, Washington.

FELLOWS 2012

Philip Edward Ardanuy
Anthony J. Broccoli
Richard D. Clark
Timothy James Dunkerton
Chris Elfring
Charles W. French
Richard H. Grumm
Fiona Horsfall
Christian D. Kummerow
François-Xavier Le Dimet
Zhengyu Liu
Donald R. MacGorman
Frank J. Misciasci, Jr.
Paul A. Newman
Edward A. O'Lenic
Harry Otten
David J. Pace
Christa D. Peters-Lidard
Robert Pinkel
Gerald L. Potter
Mark D. Powell, CCM
Bill Read
David A. Robinson
Steven A. Root, CCM
Lynn Keith Shay
Roland Stull, CCM
Eugene S. Takle, CCM
H. Joe Witte
Marilyn M. Wolfson
Donald J. Wuebbles