

## **Awards won by groups and individuals for research, development, and/or application (1d)**

### **White House Awards**

#### WHITE HOUSE PRESIDENTIAL EARLY CAREER AWARD

**David Stensrud** awarded for significant advances in the understanding of meso- and synoptic-scale weather systems by devising and applying innovative techniques for the incorporation of new data in numerical models for weather forecasting (1996)

#### PRESIDENTIAL RANK AWARD

**Dusan Zrnic** "for outstanding long-term accomplishments in radar research" (2004)

#### PRESIDENTIAL RANK AWARD

**James Kimpel** "for sustained superior accomplishment in management of programs of the U.S. Government and for noteworthy achievement of quality and efficiency in public service" (2005)

### **World Meteorological Organization Awards**

#### WORLD METEOROLOGICAL ORGANIZATION VAISALA AWARD (1996)

**Alexander Ryzhkov** and **Dusan Zrnic** received the award for the paper "Precipitation and attenuation measurements at a 10 cm wavelength." *Journal of Applied Meteorology*, **34**, 2121-2134.

### **American Meteorological Society Awards**

#### AMERICAN METEOROLOGICAL SOCIETY MEISINGER AWARD

**David Stensrud** for his innovative research into the structure, dynamics, and predictability of mesoscale convective systems and their impact on larger scales (1998)

#### AMERICAN METEOROLOGICAL SOCIETY EDITOR'S AWARD

**Alexander Ryzhkov** received for the *Journal of Applied Meteorology* (2006)

#### AMERICAN METEOROLOGICAL SOCIETY BEST POSTER AWARD

**Kevin Manross** given at the 23rd Conference on Interactive Information Processing Systems for "Manross, K. L., T. M. Smith, J. T. Ferree, and G. J. Stumpf, 2008: An on-demand user interface for requesting multi-radar, multi-sensor time accumulated products to support severe weather verification" (2008)

### **IEEE Awards**

IEEE HARRY DIAMOND MEMORIAL AWARD

**Dusan Zrnic** and **Richard Doviak** received this award for outstanding technical contributions in the field of government services in any country (1988)

IEEE DONALD G. FINK PRIZE AWARD

**Dusan Zrnic** for his paper: Sensors and Systems to Enhance Aviation Safety Against Weather Hazards, Mahapatra, P.R. and D.S. Zrnic, *Proc. IEEE*, 79, No. 9 September 1991, pp. 1234-1267. (1993)

### **DOC Gold Medal Awards**

DEPARTMENT OF COMMERCE GOLD MEDAL

**NSSL Unit Citation** "for achieving scientific and technical breakthroughs leading to the continuous improvements in the national network of Doppler radars (WSR-88D)" (1995)

DEPARTMENT OF COMMERCE GOLD MEDAL AWARDS

**David Rust** and **Vlad Mazur** "for research accomplishments in understanding atmospheric electrification and extraordinary contributions to the Nation's aviation and space programs" (1988)

DEPARTMENT OF COMMERCE GOLD MEDAL

**Vincent Wood** and J. Purpura in instituting a program of disseminating NWS hazardous weather warnings to the Oklahoma deaf and hard-of hearing community through alphanumeric pagers (2004)

### **DOC Silver Medal Awards**

DEPARTMENT OF COMMERCE SILVER MEDAL

**NSSL Warning Research and Development Division (formally SRAD)** "for developing a prototype Warning Decision Support System for weather forecasters and making significant enhancements to the NEXRAD system, resulting in more timely and reliable warnings" (1999)

DEPARTMENT OF COMMERCE SILVER MEDAL

**Harold Brooks** for development of the first highly accurate and accessible estimates of threats from tornadoes, wind storms and large hail anywhere in the U.S. (2002)

## **NOAA Awards**

NOAA BRONZE MEDAL

**Kevin Kelleher** "for developing and implementing the NOAA Advanced Research Network, providing a foundation for improved collaboration among universities and NOAA" (2001)

NOAA BRONZE MEDAL

**Michael Jain** "for designing, developing, testing and deploying the NEXRAD Open Radar Product Generator" (2002)

NOAA BRONZE MEDAL

**Donald Burgess, Kurt Hondl, Travis Smith, Greg Stumpf** "for rapid and innovative actions in collecting, archiving, and analyzing weather radar data to assist the Shuttle Columbia accident investigation" (2003)

NOAA BRONZE MEDAL

**Ken Howard, Ami Arthur, Gina Cox, Nathan Kuhnert** "for the development and operational implementation of the Flash Flood Monitoring and Prediction System" (2004)

NOAA HIGH PERFORMANCE COMPUTING AND COMMUNICATION NOAATECH AWARD

**Kevin Kelleher** "for Best Use of Advanced Networks: WSR-88D radar data over the Internet-2/NGI" (2002)

NOAA HIGH PERFORMANCE COMPUTING AND COMMUNICATION NOAATECH AWARD

**Kevin Kelleher, Kurt Hondl, Greg Stumpf, Karen Cooper, Travis Smith, Jonathan Gourley** for "Best Presentation Technology Transfer to Operations 'Real-time Dissemination of WSR-88D Radar Data over Internet 2'" (2004)

NOAA HIGH PERFORMANCE COMPUTING AND COMMUNICATION NOAATECH AWARD

**David Schultz, Kevin Kelleher** "for Interactive web access to historical weather data archives" (2006)

NOAA ADMINISTRATOR'S AWARD

**Douglas Forsyth** in recognition of leadership in overseeing the design, construction and occupancy of the National Weather Center, a joint NOAA and University of Oklahoma project which was realized both in time and under budget (2007)

NOAA ADMINISTRATOR'S AWARD

**David Jorgensen** "for successful planning, implementation, and initial deployment in the San Diego and Oxnard Hydrologic Service Areas of the first NOAA/USGS Debris-Flow Warning System" (2007)

NOAA ADMINISTRATOR'S AWARD

**Harold Brooks** for outstanding dedication developing CCSP synthesis and assessment products integrating climate research for decision support (2008)

NOAA TEAM MEMBER OF THE MONTH

**Bob Staples** (2008)

NOAA DISTINGUISHED CAREER AWARD

Carl Hane "for scientific achievement in the application of Doppler weather radar to the understanding of the dynamics of convective storms" (2008)

### **NOAA Technology Transfer Awards**

NOAA TECHNOLOGY TRANSFER AWARD

**Kevin Kelleher** "for development of a National real time radar data, archival, and Internet-2 delivery system for universities, government, and the private sector" (2004)

NOAA TECHNOLOGY TRANSFER AWARD

**Kurt Hondl, Travis Smith, Greg Stumpf** were recognized "for team leadership during the development of the Warning Decision Support System – Integrated Information and for fostering its adopted use in the private sector." (2008)

### **NOAA Research (OAR) Awards**

NOAA RESEARCH EMPLOYEE OF THE YEAR AWARD

**Douglas Forsyth** (1997)

NOAA RESEARCH EMPLOYEE OF THE YEAR AWARD

**Kevin Kelleher** (2002)

NOAA RESEARCH EMPLOYEE OF THE YEAR AWARD

**Linda Skaggs** (2006)

NOAA RESEARCH EMPLOYEE OF THE YEAR AWARD

**Dena Grose** (2008)

NOAA RESEARCH OUTSTANDING PAPER AWARD

**Donald MacGorman** and **David Rust** for coauthored book, "*The Electrical Nature of Storms*," Oxford University Press (2000)

NOAA RESEARCH OUTSTANDING PAPER AWARD

**David Stensrud** (2000) for his paper: Stensrud, D. J., J. W. Bao, T. T. Warner, 2000: Using initial condition and model physics perturbations in short-range ensembles of mesoscale convective systems. *Monthly Weather Review*, **128**, 2077-2107.

NOAA RESEARCH OUTSTANDING PAPER AWARD

**David Stensrud** (2002) for his paper: Stensrud, D. J., J. V. Cortinas, Jr., H. E. Brooks, 1997: Discriminating between tornadic and non-tornadic thunderstorms using mesoscale model output. *Weather and Forecasting*, **12**, 613-632.

NOAA RESEARCH OUTSTANDING PAPER AWARD

**David Stensrud** (2008) for his paper: Stensrud, D. J., 2007: *Parameterization Schemes: Keys to Understanding Numerical Weather Prediction Models*. Cambridge University Press, 459 pp.

NOAA RESEARCH OUTSTANDING PAPER AWARD

**Robert Davies-Jones** (2003) for Davies-Jones, R., R. J. Trapp, H. B. Bluestein, 2001: Tornadoes and tornadic storms. *Severe Convective Storms, Meteorological Monographs*, **50**, American Meteorological Society, 167-221.

NOAA RESEARCH OUTSTANDING PAPER AWARD

**David Jorgensen** (2003) for his paper: Jorgensen, D. P., T. R. Shepherd, A. Goldstein, 2000: A multiple pulse repetition frequency scheme for extending the unambiguous Doppler velocity of the NOAA P-3 airborne Doppler radar. *Journal of Atmospheric and Oceanic Technology*, **17**, 585-594.

NOAA RESEARCH OUTSTANDING PAPER AWARD

**Dusan Zrnica** (2004) for his paper: Ivic, R. I., D. S. Zrnica, S. M. Torres, 2003: Whitening in range to improve weather radar spectral moment estimates. Part II: Experimental evaluation. *Journal of Atmospheric and Oceanic Technology*, **20**, 1449-1459.

NOAA RESEARCH OUTSTANDING PAPER AWARD

**Dusan Zrnica** (2006) for his paper: Ryzhkov, A. V., T. J. Schuur, D. W. Burgess, P. L. Heinselman, S. E. Giangrande, D. S. Zrnica, 2005: The Joint Polarization Experiment: Polarimetric rainfall measurements and hydrometeor classification. *Bulletin of the American Meteorological Society*, **86**, 809-824.

NOAA RESEARCH OUTSTANDING PAPER AWARD

**Alexander Ryzhkov, Terry Schuur, Don Burgess, Pam Heinselman, Scott Giangrande, and Dusan Zrnica** received for the 2005 paper "The Joint Polarization Experiment: Polarimetric rainfall measurements and hydrometeor classification." *Bulletin of American Meteorological Society*, **86**, 809 – 824. (2007)

NOAA RESEARCH OUTSTANDING PAPER AWARD

**John Lewis** received Special Recognition for the following book published by Cambridge University Press: *Dynamic Data Assimilation: A Least Squares Approach*, Authors: J. M. Lewis, S. Lakshmivarahan, and S. Dhall (2008)

## **Other Awards**

### FAA ADMINISTRATION EXCELLENCE IN AVIATION AWARD

**John Krause, Greg Stumpf, Travis Smith, Jian Zhang** given "for contributions to the FAA's Aviation Weather Research Program, which was organized to generate more accurate and accessible aviation weather observations, warnings and forecasts." (2002)

### NATIONAL WEATHER ASSOCIATION MEMBER OF THE YEAR

**Steve Vasiloff** (2005)

### NASA GROUP ACHIEVEMENT AWARD

**Michael Douglas** (2007) for outstanding accomplishment in the successful NASA African Monsoon Multidisciplinary Analysis Mission conducted in the Cape Verde Islands.

### NATIONAL WEATHER ASSOCIATION FUJITA RESEARCH ACHIEVEMENT AWARD

**Rodger Brown** (2007) for more than 30 years of applied research and development activities that have led to improved WSR-88D detection of tornadoes and other hazardous weather events and that have resulted in forecasters issuing warnings that have increased lead times

### THE ALAN CLIVE SERVICE AND SPIRIT AWARD

**Vincent Wood** (2008) and the Oklahoma Weather Alert Remote Notification Program for outstanding leadership in providing that all aspects of emergency management are conducted in an equitable and impartial manner without discrimination and with the inclusion of all people who can make a contribution.