
ESRL Atmospheric Chemistry Awards 2004-2007

2007:

- The Nobel Peace Prize for 2007 was awarded to the Intergovernmental Panel on Climate Change (IPCC) and Mr. Albert Gore, Junior. As co-chair of IPCC Working Group One, Susan Solomon led the process that produced the highly influential IPCC Working Group One Fourth Assessment Report;

Solomon, S., D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor and H.L. Miller (eds.), *Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change*, Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, 2007.

ESRL scientists who have contributed to the four IPCC Assessment Reports are: Daniel L. Albritton; James Butler; Thomas Conway; John Daniel; Edward Dlugokencky; James Elkins; David W. Fahey; Fred Fehsenfeld; Kenneth Masarie; John Miller; Stephen Montzka; Daniel Murphy; Paul Novelli; George Reid; Karen Rosenlof; Russ Schnell; Susan Solomon; and Pieter Tans.

- Susan Solomon, Lemaitre Prize, Foundation Georges Lemaitre, Brussels, Belgium, 2007
- Susan Solomon, Nature, 'Editor's Favorite' Climate Paper, 2007
X. Zhang, F.W. Zwiers, G.C. Hegerl, F.H. Lambert, N.P. Gillett, S. Solomon, P.A. Stott, T. Nozawa, 2006: Detection of human influence on twentieth-century precipitation trends. Nature, doi:10.1038/nature06025.
- Daniel Albritton, EPA Best of the Best Stratospheric Ozone Protection Award, 20th Anniversary of the Montreal Protocol, 2007.
- John Daniel and David Fahey, "United Nations Environment Programme's Best New Paper on a Montreal Protocol Related Topic in the Science Category", for the paper:
Velders, G.J.M., S.O. Andersen, J.S. Daniel, D.W. Fahey, M. McFarland, The importance of the Montreal Protocol in protecting climate, PNAS, 104, 4814-4819, 2007.
- S. Montzka, J. Butler, B. Hall, J. Elkins and G. Dutton (The NOAA Ozone-Depleting Gas Measurement Team), Environmental Protection Agency, Stratospheric Ozone Protection Award, 2007

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- Pieter Tans, Carbon Cycle & Greenhouse Gases Group, Presidential Rank Award, Meritorious, 2007
 - Dale Hurst, James Elkins, Halocarbons and Other Trace Species Group and Sam Oltmans, Ozone & Water Vapor Group, NOAA Bronze Medal Award, 2007
 - J. Augustine, Radiation Group, NOAA Research Employee of the Year Award, 2007
 - 2007 NOAA OAR Outstanding Scientific Paper Award:
Cooper, O. R., A. Stohl, M. Trainer, A.M. Thompson, J.C. Witte, S.J. Oltmans, G. Morris, K.E. Pickering, J.H. Crawford, G. Chen, R.C. Cohen, T.H. Bertram, P. Wooldridge, A. Perring, W.H. Brune, J. Merrill, J.L. Moody, D. Tarasick, P. Nédélec, G. Forbes, M.J. Newchurch, F.J. Schmidlin, B.J. Johnson, S. Turquety, S.L. Baughcum, X. Ren, F.C. Fehsenfeld, J.F. Meagher, N. Spichtinger, C.C. Brown, S.A. McKeen, I.S. McDermid, and T. Leblanc, 2006. Large upper tropospheric ozone enhancements above mid-latitude North America during summer: In situ evidence from the IONS and MOZAIC ozone monitoring network, *J. Geophys. Res.*, 111, D24S05, doi:10.1029/2006JD007306.
 - 2007 NOAA OAR Outstanding Scientific Paper Award:
Hofmann David J., James H. Butler, Edward J. Dlugokencky, James W. Elkins, Kenneth Masarie, Stephen A. Montzka and Pieter Tans, 2006. The role of carbon dioxide in climate forcing from 1979 to 2004: introduction of the Annual Greenhouse Gas Index. *Tellus*, 58B, 614-619.
 - Debra Dailey-Fisher, 2007 OAR Employee of the Year Award
 - Susan Solomon, Alumni Achievement Award, University of California, Berkeley, 2007
 - Susan Solomon, Bowie Medal, highest honor of the American Geophysical Union, 2007
 - Susan Solomon, 2007 Lowell Thomas Award of the Explorers Club
 - Eric Ray, CIRES Bronze Award, Unmanned Aircraft Systems demonstration, 2007
 - Roya Bahreini, CIRES Visiting Fellow award (2005-2007)
 - Rebecca Matichuk, CIRES Visiting Fellow award, 2007
 - Joost deGouw, CIRES Outstanding Performance Award, 2007
 - Karl Froyd, Outstanding Presentation, Boulder Labs Postdoctoral Symposium, 2007

- Sarah Tessendorf, Outstanding Presentation, Boulder Labs Postdoctoral Symposium, 2007

2006:

- Daniel Albritton, Distinguished Presidential Rank Award, 2006
- S. Montzka, G. Dutton, B. Hall, J. Butler, J. Elkins, Halocarbons & Other Trace Species Group, Environmental Protection Agency Stratospheric Ozone Protection Award, 2006
- P. Disterhoft, Radiation Group, Environmental Protection Agency Stratospheric Ozone Protection Award, 2006
- NASA Group Achievement Award, UARS Science Team, 2006
- Jim Churnside, US Department of Commerce Bronze Award, 2006
- Dan Albritton, Susan Solomon (with other ESRL colleagues), Bronze Award, 2006
- David Fahey, Karen Rosenlof, Jim Churnside, Jim Elkins, Sam Oltmans, U.S. Department of Commerce Bronze Award, for NOAA Unmanned Aircraft Systems (UAS) Demonstration of 2006
- K. Thoning, Carbon Cycle & Greenhouse Gases group, NOAA Research Employee of the Year Award, 2006
- J. Ogren, P. Sheridan, J. Wendell, Aerosol Group, NOAA Administrator Award, 2006
- Susan Solomon, Goldschmidt Award, highest honor of the Geochemical Society, 2006
- Geoff Dutton, Dale Hurst, Fred Moore, J. David Nance, CIRES Bronze Medal Award for the NOAA Unmanned Aircraft Systems (UAS) Demonstration of 2006.
- E. Andrews and A. Jefferson, light aircraft project, Aerosol Group, CIRES Outstanding Performance Award, 2006
- Bill Dube, Craig Simons, CIRES Outstanding Performance in Science and Engineering Award, 2006.

- Paola Massoli, Outstanding Presentation, Boulder Lab Postdoctoral Poster Symposium, 2006

2005:

- Edward Dlugokencky, Carbon Cycle & Greenhouse Gases Group, European Commission Joint Research Centre Excellence Best Scientific Paper Award, 2005
- Dan Murphy, Quarterly Journal of the Royal Meteorological Society, Top 10 most highly cited articles published in the Quarterly Journal of the Royal Meteorological Society (2nd in ranking) for the paper:
Murphy, D.M. and T. Koop, Review of the vapour pressures of ice and supercooled water for atmospheric applications, QJRMS, 131, doi: 10.1256/qj.04.94
- Daniel Albritton and Susan Solomon, UNEP/WMO Vienna Convention Award for outstanding contributions to the Vienna Convention for the Protection of the Ozone Layer, 2005
- Betsy Weatherhead, Irina Petropavlovskikh, John DeLuisi, Environmental Protection Agency Stratospheric Ozone Protection Award, 2005
- A.R. Ravishankara, American Chemical Society's award on Creative Advances in Environmental Sciences, 2005
- NASA Group Achievement Award, Intercontinental Chemical Transport Experiment North America Science Team, 2005
- Tom Conway, Ed Dlugokencky, Patty Lang, Carbon Cycle & Greenhouse Gases Group, NOAA Administrator's Award, 2005
- Jim Meagher, NOAA Administrator's Award, 2005
- Lafaele Silao, American Samoa Observatory, NOAA Team Member of the Month, 2005
- 2005 NOAA OAR Outstanding Scientific Paper Award:
Hurst, D.F., P.A. Romashkin, J.W. Elkins, E.A. Oberländer, N.F. Elansky, I.B. Belikov, I.G. Granberg, G.S. Golitsyn, A.M. Grisenko, C.A.M. Brenninkmeijer, and P.J. Crutzen, Emissions of ozone-depleting substances in Russia during 2001, *J. Geophys. Res.*, 109, D14303, doi:10.1029/2004JD004633, 2004.
- Duane Kitzis and Conglong Zhao, Carbon Cycle & Greenhouse Gases Group, CIRES Administrator's Award, 2005

- Wayne Angevine, Charles Brock, Greg Frost, John Holloway, Gerhard Hübler, Andy Neuman, and Donna Sueper, CIRES Outstanding Performance Award, 2005, for discovering a new and major factor that causes pollution in the Houston, Texas area (leaks of reactive gases from petrochemical refineries). As a direct result of this finding, Texas air quality managers altered their policy approach to more effectively target the root causes of the region's poor air quality.

2004:

- Susan Solomon, Blue Planet Laureate, Asahi Glass Foundation, Tokyo, Japan, 2004
- Adrian Tuck, the Adrian Gill Prize of the Royal Meteorological Society (U.K.), 2004
- Andreas Stohl, EUROTRAC-2 Young Scientist Award, 2004
- A.R. Ravishankara, Meritorious Presidential Rank Award, 2004
- Kenneth Masarie, Carbon Cycle & Greenhouse Gases Group, NOAA Administrators Award, 2004
- Mark Cunningham, American Samoa Observatory, NOAA Bronze Medal Award, 2004
- Dan Cziczo, Presidential Early Career Award, 2004
- Jim Churnside, US Department of Commerce Silver Award, for Measurement of pollution (mostly plastic and other synthetic material) concentrations at the subtropical convergence zone in the N. Pacific, 2004
- Group NOAA/DOC Group Silver Medal Award for Scientific/Engineering Achievement, for the discovery of a previously unrecognized major factor that causes ozone pollution in the Houston, Texas area. (Recipients: Thomas Ryerson, Michael Trainer, David Parrish, Fred Fehsenfeld, Paul Goldan, William Kuster, James Roberts, Robert Banta, Raul Alvarez, Lisa Darby), 2004
- 2004 NOAA OAR Outstanding Scientific Paper Award:
T.B. Ryerson, M. Trainer, W.M. Angevine, C.A. Brock, R.W. Dissly, F.C. Fehsenfeld, G.J. Frost, P.D. Goldan, J.S. Holloway, G. Hubler, R.O. Jakoubek, W.C. Kuster, J.A. Neuman, D.K. Nicks Jr., D.D. Parrish, J.M. Roberts, D.T. Sueper, E.L. Atlas, S.G. Donnelly, F. Flocke, A. Fried, W. T. Potter, S. Schauffler, V. Stroud, A.J. Weinheimer, B.P. Wert, C. Wiedmeyer, R.J. Alvarez, R. M. Banta, L.S. Darby, and C.J. Senff, 2003: Effect of Petrochemical Industrial Emissions of Reactive Alkenes and NO_x on

Tropospheric Ozone Formation in Houston, Texas. Journal of Geophysical Research, Vol. 108, NO. D8, 4249, doi:10.1029/2002JD003070.

- Karl Froyd, American Geophysical Union Journal Highlight 2004:
Lovejoy, E.R., Froyd, K.D., and Curtius, J. Atmospheric ion-induced nucleation of sulfuric acid and water. J Geophys Res, 109, D08204 (2004).
- Patrick Disterhoft, Radiation Group, for developing the Table Mountain Test Facility, CIRES Outstanding Performance Award, 2004
- Dan Cziczo, CIRES Outstanding Performance Award, 2004

ISI Highly Cited Authors:

David Fahey
Fred Fehsenfeld
David Hofmann
Gerd Hubler
Ken Kelly
Sam Oltmans
David Parrish
A.R. Ravishankara
Susan Solomon
Pieter Tans
Michael Trainer
Adrian Tuck

Refereeing/Reviewing awards 2004-present:

- David Parrish, 2006 Editors' Citation for Excellence in Refereeing for JGR-Atmospheres
- Owen Cooper, 2006 Editors' Citation for Excellence in Refereeing for JGR-Atmospheres

Honorary Doctorates awarded 2004-present:

- Susan Solomon: University of East Anglia
- Susan Solomon: Northwestern University