

SUSAN SOLOMON

Honors and Awards:

UCAR (University Corporation for Atmospheric Research) Fellow, 1977-1978.

Elected outstanding teaching assistant by the Berkeley freshman chemistry class of September, 1977.

James B. MacElwane award, American Geophysical Union, 1985.

Gold medal for exceptional service, U. S. Department of Commerce, 1989.

Henry G. Houghton award for excellence in research, American Meteorological Society, January 1991.

Common Wealth Award for Excellence in Science and Invention, April 1992.

Member, National Academy of Sciences, April 1992 - present.

Scientist of the Year, R&D Magazine, Cahners Publications, September 1992.

Fellow, American Academy of Arts and Sciences, April 1993 - present.

Honorary doctorate, University of Colorado, Boulder, CO, May 1993.

Arthur S. Flemming award for excellence in government service, May 1994.

Honorary doctorate, Tulane University, New Orleans, LA, May 1994.

H. J. Reid award, NASA Langley Research Center, August 1994.

Solomon Glacier (78°23'S, 162°30'E) and Solomon Saddle (78°23'S, 162°39'E) were named in honor of leadership in Antarctic research in 1994.

Associé étranger (Foreign associate), Academie des Sciences de France, 1995 - present.

Honorary doctorate, Williams College, Williamstown, MA, June 1996.

Stratospheric Ozone Protection Award of the Environmental Protection Agency, October 1996.

United Nations Environment Programme (UNEP) Award for key contributions to the development of the Montreal Protocol, September 1997.

Co-recipient, Climate Protection Award of the Environmental Protection Agency, October 1998.

Carl-Gustaf Rossby Research Medal, highest award of the American Meteorological Society, January 2000.

Foreign Member, Academia Europaea, 2000-present.

U. S. National Medal of Science, 1999; award presented in March 2000.

Award of the Bonfils-Stanton Trust, Denver, CO, April 2001.

ARCS Woman of the Year, Denver Chapter, April 2001.

Honorary doctorate, Illinois Institute of Technology, May 2001.

Honorary doctorate, State University of New York at Stony Brook, May 2001.

Weizmann Women and Science Award, presented at Rockefeller University, June 2002.

Gold Medal, Department of Commerce, for contributions as a leading author of the third assessment report of the Intergovernmental Panel on Climate Change, 2002.

Distinguished Presidential Rank Award, May 2003.

Honorary doctorate, University of Miami, May 2003.

Honorary doctorate, University of East Anglia, Norwich, UK, July 2004.

Blue Planet Laureate, Asahi Glass Foundation, Tokyo, Japan, November 2004.

Honorary Member, International Polar Foundation, January 2005.

UNEP/WMO Vienna Convention Award for outstanding contributions to the Vienna Convention for the Protection of the Ozone Layer, November 2005.

Member, Colorado Women's Hall of Fame, March 2006.

Fellow, Royal Society of Chemistry, April 2006.

Honorary doctorate, Northwestern University, June 2006.

Goldschmidt Award, highest honor of the Geochemical Society, August 2006.

Alumni Achievement Award, University of California, Berkeley, March 2007.

Lowell Thomas Award, Explorers Club, New York, October 2007.

Lemaitre Prize, Foundation Georges Lemaitre, Brussels, Belgium, November 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 Climate Science 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.]

Bowie Medal, highest honor of the American Geophysical Union, December 2007.

Listed by Time magazine as one of the 100 most influential people in the world in 2008.

Fellow, American Philosophical Society, April 2008.

Fellow, Royal Society of London, May 2008.

Honorary doctorate, Butler University, May 2008.

Chevalier (knight) in the French Legion of Honor, July 2008.

Honorary Fellow, Geological Society of London, September 2008.

Distinguished Presidential Rank Award, October 2008.

American Geological Institute Award for Advancing Public Understanding of the Geosciences, October 2008.

Grande Medaille, Academie des Sciences de France, November 2008.

John Scott Award, John Scott Foundation Trust, Philadelphia, PA, November 2008.

Member, National Women's Hall of Fame, March, 2009.

Awards for Specific Scientific Studies:

NOAA Environmental Research Laboratories outstanding scientific publication award for "Transport process and ozone perturbations," by Solomon, Garcia and Stordal, *J. Geophys. Res.*, 90, 12981-12989, 1985.

NOAA Environmental Research Laboratories outstanding scientific publication award for "Visible Spectroscopy at McMurdo Station, 2. Observations of OCIO," by Solomon, Mount, Sanders, and Schmeltekopf, *J. Geophysical Res.*, 92, 8329-8338, 1987.

NOAA Environmental Research Laboratories outstanding review publication award for "The Mystery of the Antarctic Ozone Hole," by S. Solomon, *Rev. Geophys.*, 26, 131-148, 1988.

NCAR outstanding publication award for "Transport of nitric oxide and the D-region winter anomaly," by Garcia, Solomon, Avery and Reid, *J. Geophys. Res.*, 92, 977-994, 1987.

NOAA Environmental Research Laboratories outstanding scientific publication award for "On the evaluation of ozone depletion potentials," by Solomon, Mills, Heidt, and Tuck, *J. Geophys. Res.*, 97, 825, 1992.

NOAA Environmental Research Laboratories outstanding scientific publication award for "Atmospheric lifetimes of long-lived species," by Ravishankara, Solomon, Turnipseed, and Warren, *Science*, 259, 194-199, 1993.

NOAA Environmental Research Laboratories outstanding scientific publication award for "Role of aerosol variations in anthropogenic ozone depletion in polar regions," by Portmann, Solomon, Garcia, Thomason, Poole, and McCormick, *J. Geophys. Res.*, 101, 22991-23006, 1996.

NOAA Environmental Research Laboratories outstanding scientific review paper award for "Stratospheric Ozone Depletion: A Review of Concepts and History," by S. Solomon, *Reviews of Geophysics*, 37, 275-316, 1999.

NOAA OAR outstanding scientific publication award for "Interpretation of recent Southern Hemisphere climate change," by Thompson and Solomon, *Science*, 296, 895-899, 2002.

NOAA OAR outstanding scientific publication award for “Detection of human influence on twentieth-century precipitation trends,” by Zhang, Zwiers, Hegerl, Lambert, Gillet, Solomon, Stott, and Nozawa, *Nature*, 448, 461-465, 2007.

NOAA OAR outstanding scientific publication special award for “Technical Summary, *Climate Change 2007: The Physical Science Basis*, Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change,” Solomon and 30 coauthors, Cambridge University Press, 74 pp., 2007.