

## Curriculum Vitae: Greg Holland

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### Qualifications

- B.Sc. Honours Class I in Mathematics and Major in Physics from the University of New South Wales (1972).
- Diploma of Meteorology from the Central Training School, Bureau of Meteorology (1972).
- M.S. in Atmospheric Science from Colorado State University (1981).
- Ph.D. in Atmospheric Science from Colorado State University (1983).

### Professional Affiliations

Fellow of the American Meteorological Society since 1991.

Fellow of the Australian Meteorological and Oceanographic Society since 2004.

Member American Geophysical Union

### Awards

Distinguished Alumnus Award, Colorado State University, 2007.

- A joint paper, "Webster, P.J., G.J. Holland, J.A. Curry, and H-R. Chang, 2005: Changes in tropical cyclone number, duration and intensity in a warming environment. *Science*, **309**, 1844-1846, made it to number 8 in the Science top 100 and was one of the bases for the top story for 2005 in *Discovery Magazine*.
- Inaugural Hargrave Award, Monash University, for innovation with the Aerosonde Robotic Aircraft, 1999
- Finalist with Tad McGeer for the USA Discover Award for Innovation, for the Aerosonde, 1999.
- National Science Council Lecture Fellowship, Taiwan, 1989.
- Adjunct Research Professor (Haltiner Chair) at the US Naval Postgraduate School, 1988.
- Editors Award for reviews of manuscripts submitted to the Journal of the Atmospheric Sciences, 1986.
- Invited lecturer, NASA/University of Maryland Summer Lecture Series, 1985.
- Banner I. Miller Award for the best contribution to the science of hurricane and tropical weather forecasting published in an international journal during 1982-1984.
- Max A. Eaton Prize for the best student paper at the 14th American Meteorological Society Technical Conference on Hurricane and Tropical Meteorology, 1983.
- Australian Government Overseas Scholarship, 1980-1983.
- Dux of Meteorologist Course 22 of the Bureau of Meteorology Central Training School.
- Commonwealth Government Cadetship in Meteorology, 1970-1971.

### Positions Held

- Director, NCAR Earth System Laboratory, National Center for Atmospheric Research, Boulder, Colorado, October 2009-present.
- Research Associate, Colorado State University, Colorado, USA, 2005-present.
- Member, Zurich Natural Catastrophe Advisory Committee, Zurich Insurance, Zurich, Switzerland, 2005-present.
- Member Advisory Board for the AGU Natural Hazards Focus Group, 2010-present.
- Member WMO Expert Committee on Hurricanes and Climate Change, 2003-present.
- A/Director Earth Sun Systems Laboratory, National Center for Atmospheric Research, Boulder, Colorado, July 2009-September 2009.
- Director, Mesoscale and Microscale Meteorology Division, Earth and Sun Systems Laboratory, National

Center for Atmospheric Research, Boulder, Colorado, 2004-2009.

- Chairman and President, Aerosonde North America Inc., 1998-2006.
- President, North American Operations, Aerosonde Pty Ltd., 2003-2004.
- Chief Executive Officer and Managing Director, Aerosonde Pty Ltd., Melbourne, Australia, 1999-2003.
- Research Associate, the Program on Atmosphere and Oceans, University of Colorado, Boulder, Colorado, USA, 1998-2001.
- Senior Principal Research Scientist, Bureau of Meteorology Research Centre, 1992-2000.
- Founder and Leader of the Mesoscale Meteorology Research Group in the Bureau of Meteorology Research Centre, 1993-1999.
- Associate Editor, Monthly Weather Review, 1997-1999.
- Honorary Associate of the Faculty, Department of Mathematics, Monash University, 1988-1999.
- Co-Principal Investigator, the Tropical Cyclone Coastal Impacts Project, 1994-1998.
- Reviewer, NOAA Seasonal and Interannual Prediction Program, May 1994.
- Visiting Lecturer, Monash University Mathematics Department, 1984-1994.
- Chief Editor, WMO Guide for Tropical Cyclone Forecasting, 1989-1994.
- Co-editor the Global Ocean Atmosphere System, 1992-1995.
- Associate Editor, Australian Meteorological Magazine, 1990-1995.
- Co-Principal Investigator for the US Office of Naval Research Tropical Cyclone Motion-92 Experiment, 1992.
- Member, Editorial Board, Meteorology and Atmospheric Physics, 1987-1992.
- Adjunct Research Professor (Haltiner Chair) at the US Naval Postgraduate School, 1988.
- Co-Principal Investigator, US Office of Naval Research Tropical Cyclone Motion Experiment, 1990.
- Co-Principal Investigator, TOGA/TRMM Doppler radar program at Darwin, and for the Island Thunderstorm Experiment, 1995-1999.
- Tropical Group Leader in the Bureau of Meteorology Research Centre, 1987.
- Co-Principal Investigator, Australian Monsoon Experiment, 1987.
- Meteorologist, Bureau of Meteorology Research and Development Branch, 1978-1984.
- Visiting Scientist, U.S. National Hurricane Research Laboratory, 1987.
- Lecturer, Central Training School, Bureau of Meteorology, 1975-1977.
- Forecaster, Darwin Tropical Analysis and Regional Forecasting Centre, 1973-1975.