

Dr. Roger A. Pielke Sr. Biosketch

Dr. Roger A. Pielke Sr. is currently a Senior Research Scientist in CIRES and a Senior Research Associate at the University of Colorado-Boulder in the Department of Atmospheric and Oceanic Sciences (ATOC) at the University of Colorado in Boulder (Nov. 2005 -present). He is also an Emeritus Professor of Atmospheric Science at Colorado State University and has a five-year appointment (April 2007 - March 2012) on the Graduate Faculty of Purdue University in West Lafayette, Indiana. He received a B.A. in Mathematics from Towson State College in 1968 and an M.S. and Ph.D. in Meteorology from Pennsylvania State University in 1969 and 1973, respectively.

Pielke has studied terrain-induced mesoscale systems, including the development of a three-dimensional mesoscale model of the sea breeze, for which he received the NOAA Distinguished Authorship Award for 1974. Dr. Pielke has worked for NOAA's Experimental Meteorology Lab (1971-1974), The University of Virginia (1974-1981), and Colorado State University (1981-2006). He served as Colorado State Climatologist from 1999-2006. He was an adjunct faculty member in the Department of Civil and Environmental Engineering at Duke University in Durham, North Carolina (July 2003-2006) and a visiting Professor in the Department of Atmospheric Sciences at the University of Arizona from October to December 2004.

He has served as Chairman and Member of the AMS Committee on Weather Forecasting and Analysis, and was Chief Editor for the Monthly Weather Review for 5 years from 1981 to 1985. In 1977, he received the AMS Leroy Meisinger Award for "fundamental contributions to mesoscale meteorology through numerical modeling of the sea breeze and interaction among the mountains, oceans, boundary layer, and the free atmosphere." Dr. Pielke received the 1984 Abell New Faculty Research and Graduate Program Award, and also received the 1987/1988 Abell Research Faculty Award. He was declared "Researcher of the Year" by the Colorado State University Research Foundation in 1993. In 2000 he received the Engineering Dean's Council Award from Colorado State University.

He has authored a book published by Academic Press entitled Mesoscale Meteorological Modeling (1984) with a 2nd edition in 2002, and is currently preparing the 3rd edition to be published in 2013, a book for Routledge Press entitled The Hurricane (1990), a book (co-authored with W.R. Cotton) for Cambridge Press entitled Human Impacts on Weather and Climate (1995; 2nd Edition 2007), a book (co-authored with R.A. Pielke Jr.) entitled Hurricanes: Their Nature and Impacts on Society published in 1997 by John Wiley and Sons, and was Co-Chief Editor (with R.A. Pielke, Jr.) of a book entitled Storms, published by Routledge Press in 1999.

Roger Pielke Sr. was elected a Fellow of the AMS in 1982 and a Fellow of the American Geophysical Union in 2004. From 1993-1996, he served as Editor-in-Chief of the US National Science Report to the IUGG (1991-1994) for the American Geophysical Union. From January 1996 to December 2000, he served as Co-Chief Editor of the Journal of Atmospheric Science. In 1998, he received NOAA's ERL Outstanding Scientific Paper (with Conrad Ziegler and Tsengdar Lee) for a modeling study of the convective dryline. He was designated a Pennsylvania State Centennial Fellow in 1996, and named the Pennsylvania State College of Earth and Mineral Sciences Alumni of the year for 1999 (with Bill Cotton). He is currently serving on the AGU Focus Group on Natural Hazards (August 2009-present) and the AMS Committee on Planned and Inadvertent Weather Modification (October 2009-present). He is among one of three faculty and one of four members listed by ISI HighlyCited in Geosciences at Colorado State University and the University of Colorado at Boulder, respectively.

Dr. Pielke has published over 370 papers in peer-reviewed journals, 55 chapters in books, co-edited 9 books, and made over 700 presentations during his career to date. A listing of papers can be viewed and downloaded at the project website: <http://cires.colorado.edu/science/groups/pielke/pubs/>. He also launched a science weblog in 2005 to discuss weather and climate issues. This weblog was named one of the 50 most popular Science blogs by Nature Magazine on July 5, 2006. The weblog received more than 2.25 million hits from January-June 2007. The weblog is located at <http://pielkeclimatesci.wordpress.com/>.