

Eugenia Kalnay (<http://www.atmos.umd.edu/~ekalnay/>)

A. Education

Ph.D. in Meteorology, MIT, 1971 (Jule G. Charney Advisor).

Licenciada en Meteorología, University of Buenos Aires, Argentina, 1965.

B. Appointments

2002 – Present, Distinguished University Professor, Department of Atmospheric and Oceanic Science, Univ. of Maryland, College Park, MD

1999 – 2002, Professor and Chair, Department of Atmospheric and Oceanic Science, Univ. of Maryland, College Park, MD

1997 – 1999, Lowry Chair Professor at the School of Meteorology, Univ. of Oklahoma and Senior Scientist, NCEP.

1987 – 1997, Director, Environmental Modeling Center, National Centers for Environmental Prediction (NCEP), and NCEP Deputy for Science. ES-4.

1984 – 1986, Head, Global Modeling and Simulation Branch, Goddard Laboratory for Atmospheres, NASA. GS-15.

1979 – 1983, Senior Research Meteorologist, Global Modeling and Simulation Branch, Goddard Laboratory for Atmospheric Sciences, NASA. GS-15.

1975 – 1978, Assistant and then Associate professor, Department of Meteorology, MIT.

C. Honors, Awards, and Publications

i. Honors and Awards

World Meteorological Organization top world-wide award: the IMO Prize for 2009

Doctor Honoris Causa, University of Buenos Aires 2008

First Genia Brin Professorship in Data Assimilation 2008

Kirwan Faculty Research and Scholarship Prize (U. Maryland-wide) 2006

Fellow of the AAAS (2006), AGU (2005), AMS (1982)

Paper by Kalnay and Cai (2003) selected as one of the top 100 science news by Discovery Magazine

Member of the National Academy of Engineering (1995), Foreign member of the Academia Europaea (2000), Corresponding member of the Argentine Academy of Sciences (2003)

American Meteorological Society Jule G. Charney Award (1995)

Department of Commerce gold medals (1993, 1997), silver medal (1990)

NASA gold medal for Exceptional Scientific Achievement (1981)

Senior Executive Service Presidential Rank Award (1996)

ii. Publications

More than 100 peer reviewed publications in modeling, data assimilation, predictability, climate change, (see <http://www.atmos.umd.edu/~ekalnay/Papers.pdf>.) The paper

Kalnay et al. (1996): The NCEP/NCAR 40-Year Reanalysis Project. Bull. Amer. Meteor. Soc., 77, 437-471, is the most cited paper in all geophysical sciences (more than 7000 citations).

The book Atmospheric Modeling, Data Assimilation and Predictability (Cambridge Univ. Press, 2003), has been reprinted 5 times and officially translated to Chinese.