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Distinguished University Professor, University of Maryland since 2002, Eugenia Brin Professor of Data Assimilation. Former Director of the NOAA/NCEP Environmental Modeling Center, Branch Chief of the GSFC 911 Modeling and Simulation Branch (later to become the GMAO). Chaired Professor at the University of Oklahoma, and Associate Professor at MIT and the University of Uruguay. More than 100 peer reviewed papers, including the development of the NASA 4th order global model used for hundreds of studies on the use of satellite data. Introduced the breeding method, directed the NCEP/NCAR reanalysis (~7000 citations) and developed many new techniques extending the power of the Local Ensemble Transform Kalman Filter (LETKF) developed at the University of Maryland. Awards include the NASA Medal for Exceptional Scientific Achievement, two gold medals and a silver medal from Department of Commerce (NOAA), the AMS Charney award, Senior Executive Service Presidential Rank award, and Doctor Honoris Causa (U. of Buenos Aires). Fellow of the AMS, AAAS, AGU. Member of the National Academy of Engineering, the Academia Europaea and the Argentine Academy of Exact and Natural Sciences. Advisor of 15 graduated Ph.D. students, many postdocs and current students.

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