Dr. Ronald M. Errico

Dr. Ronald Errico received a B.S. in physics from the University of Arizona in 1974, where he also took several graduate courses in meteorology. His Ph. D. in meteorology was received in 1979 from the Massachusetts Institute of Technology. With E.N. Lorenz as his advisor, his thesis entitled “The partitioning of energy between geostrophic and ageostrophic modes” examined the fundamentals of why the atmosphere is quasi-geostrophic. It won the department’s award for best thesis that year at the recommendation of Jules Charney. Applications of this thesis have continued throughout his career. After completing his degree, Ron joined the Advanced Study Program at the National Center for Atmospheric Research (NCAR) as a postdoc, followed by a staff appointment in 1981 within NCAR’s Large Scale Dynamics Section of its Atmospheric Analysis and Prediction Division. In 1994 he was appointed Senior Scientist in the Climate and Global Dynamics Division there. During his tenure at NCAR, Ron had sabbaticals from NCAR at the Naval Research Laboratory in Monterey from March 1989 to April 1990 and at ECMWF for 7 months in 1996. He left NCAR to join GEST and work at NASA’s Data Assimilation Office in July 2002. Since 1992, he has been chief organizer of 14 international workshops concerned with data assimilation, including 7 of the 8 International Workshops on the Application of Adjoint Models in Dynamic Meteorology. His past work has included examination of atmospheric balance, development and application of atmospheric adjoint models, atmospheric predictability, scale analysis, regional climate modeling, and data assimilation. This last includes design and application of observing system simulation experiments.