



### **Brief biography – Dr. Shuyi S. Chen**

**Shuyi Chen** is a Professor of Meteorology and Physical Oceanography at the Rosenstiel School of Marine and Atmospheric Science (RSMAS) of the University of Miami (UM). She is a widely published author whose work focusing on the dynamics and air-sea interactions in tropical convection and cyclones/hurricanes. Prof. Chen leads a research group at UM that has developed a new generation fully coupled atmosphere-wave-ocean model for coastal and hurricane research and prediction. She has been a lead scientist on several global tropical cyclone research programs, among them: the Coupled Boundary Layer Air-Sea Transfer (CBLAST); the successful Hurricane Rainbands and Intensity Change Experiment (RAINEX) using three Doppler radar aircraft collecting unprecedented *in-situ* data in Hurricanes Katrina, Rita, and Ophelia in 2005; and the largest international program to study typhoons in the West Pacific, Impact of Typhoons on Ocean in Pacific (ITOP) in 2010. She is also a lead aircraft scientist in the DYNAMO field campaign in 2011 collecting data over the Indian Ocean to improve our knowledge of the Madden-Julian Oscillation (MJO) and its impacts on global weather. She is currently working with a team of scientists focusing on understanding the impact of oil spill on the environment in the Gulf of Mexico. Dr. Chen is a recipient of the NASA's Group Award on Tropical Convection Program in 2006. She served on a panel of experts for the Congressional briefing on the National Hurricane Initiative at U.S. Senate and House of Representatives in July 2007, and later testified at the Joint Hearing on: *The State of Hurricane Research and the National Hurricane Research Initiative Act of 2007*, before the Subcommittee on Energy and Environment and the Subcommittee on Research and Science Education, Committee on Science and Technology of United States House of Representatives in June 2008. Dr. Chen served as an Editor for *Weather and Forecasting* journal of the American Meteorological Society. She is a member of the National Academies' Board on Atmospheric Sciences and Climate (BASC) and a Fellow of American Meteorological Society. Dr. Chen received her Ph.D. in Meteorology from the Pennsylvania State University in 1990.