



Dr. Shuyi S. Chen is a professor of Atmospheric Sciences at the University of Washington. Her research focuses on understanding extreme weather like hurricanes and intraseasonal variability that affect the global weather and climate system and improving their prediction. She studies air-sea interaction and precipitation in the tropics and coastal environment using satellite and airborne observations and coupled atmosphere-wave-ocean models. Dr. Chen has led national and international research programs in both field observations and coupled atmosphere-ocean modeling. Her research group at the University of Washington has developed a first-generation high-resolution Unified Wave Interface – Coupled Model (UWIN-CM) to better understand and predict high-impact weather such as hurricanes and winter storms, and ocean transport in events of oil spill and other hazards. Professor Chen is a lead scientist for several major field campaigns including Coupled Boundary Layer Air-Sea Transfer (CBLAST) in 2003-04, Hurricane Rainbands and Intensity Change Experiment (RAINEX) in 2005, Dynamics of the MJO (DYNAMO) in 2011-12, and Convective Process Experiment (CPEX) in 2017. She was an editor of *Weather and Forecasting* of the American Meteorological Society. Currently she serves as the Vice Chair of the National Academies' Board on the Atmospheric Science and Climate (BASC). She served on the University Corporation for Atmospheric Research (UCAR) Board of Trustees in 2017-18. Dr. Chen is a Fellow of American Meteorological Society. She received her Ph.D. in meteorology from Penn State University.