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Xubin Zeng is the Agnese N. Haury Chair in Environment, Professor of Atmospheric sciences, and Director of the Climate Dynamics and Hydrometeorology Center at the University of Arizona. He is also an affiliated professor of the Applied Mathematics, Global Change, and Remote Sensing and Spatial Analysis Interdisciplinary Programs. He is an elected fellow of both the American Meteorological Society (AMS) and American Association for the Advancement of Science. He served on the Governing Board of AMS and its Executive Committee, and received the AMS Charles Franklin Brooks Award for Outstanding Service to the Society in January 2021. He also received the Special Creativity Award from the National Science Foundation (NSF), the Outstanding Faculty Award from the University of Arizona's Asian American Faculty, Staff and Alumni Association, and the Colorado State University Atmospheric Science Outstanding Alum Award.

Starting in May 2021, he begins to co-chair the Scientific Steering Group of the Global Energy and Water Exchange (GEWEX) Project – one of the major international programs on climate and water science. He also serves on the Science Advisory Board of DOE Pacific Northwest National Laboratory Earth & Biological Sciences Directorate and the Science Advisory Board Environmental Information Services Working Group of the National Oceanic and Atmospheric Administration (NOAA). In the past decade, he co-chaired the National Aeronautics and Space Administration (NASA) Earth Science Community Workshop and White Paper on future directions in the Weather Focus Area, chaired the Community Workshop and White Paper on lower-atmosphere observing facilities for climate studies for the NSF Division of Atmospheric and Geospace Sciences, chaired the NOAA white paper on the use of observing system simulation experiments which was forwarded to the U.S. Congress, and served on the National Academies Board on Atmospheric Sciences and Climate and the NASA/NOAA/USGS Earth Science Decadal Survey Weather and Air Quality Panel.