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Shang-Ping Xie is a professor of climate science and holds the Roger Revelle Chair at Scripps Institution of Oceanography, University of California San Diego, USA. He studies ocean-atmosphere interactions, climate variability and change. His research contributes to answering such fundamental questions as what determines the spatio-temporal variations of climate, how preferred patterns of climate variability form, how predictable climate is, and how climate will change in the face of increasing atmospheric greenhouse gases. Dr. Xie is a fellow of the American Geophysical Union and American Meteorological Society (AMS), and lead author of the Intergovernmental Panel on Climate Change (IPCC) Fifth Assessment Report. He received the AMS Sverdrup Gold Medal in 2017, and is a Highly Cited Researcher of Thomson Reuters.