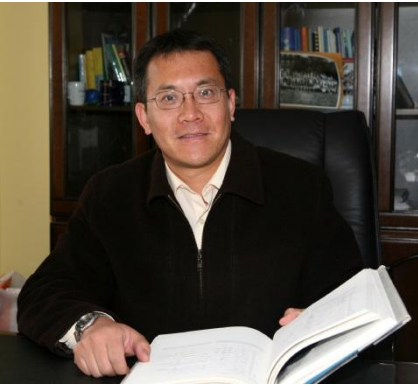


Dongliang Yuan, Institute of Oceanology/CAS



Dongliang Yuan is a “100 Talent” research professor at the Institute of Oceanology of the Chinese Academy of Sciences. He is a winner of the National Outstanding Young Scientist Career Award of NSF of China and the chief scientist of a National Basic Research Project (973 project) of China. His research fields cover a broad spectrum of the modern oceanography and climate study, including the general ocean circulation in the Pacific and Indian Oceans and the coastal and shelf processes over the American shelves and in the marginal seas of China. He is the first to identify the intraseasonal variations of the Kuroshio path in the Luzon Strait area and has conducted a series of nonlinear dynamics study in the area. He discovered the cross-shelf penetrating fronts off the Chinese Min-Zhe coasts and uncovered the basin-scale cross-shelf circulation in the Yellow and East China Sea and its dynamics. He has been conducting long equatorial wave dynamics study of the tropical Pacific and Indian Ocean circulation and climate variations for a long time and was the first to identify the importance of nonlinearity in the western boundary reflections of the equatorial Rossby waves. Recently, his studies have disclosed the importance of the Indonesian Throughflow in connecting the Indian Ocean Dipole forcing on the Pacific ENSO.