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Dr. Liong has been with Tropical Marine Science Institute of National University of Singapore (NUS) since 2004 after spending about 20 years with the Department of Civil and Environmental Engineering of NUS. He received his Dipl.-Ing. and Ph.D degrees from University of Karlsruhe (Germany) and Iowa Institute of Hydraulics Research of University of Iowa (USA) respectively.

Dr. Liong's most recent research focus is on climate downscaling for Southeast Asia domain and deriving valuable information from the downscaled climate to evaluate the impacts of climate change on water resources, flooding, crop yields, etc.

He is currently an associate editor of Journal of Environmental Science and Policy and was an associate editor of Journal of Hydroinformatics. He was the President of Hydrological Science Section of AOGS (2008-2010), and Chairman of Joint IAHR-IWA-IAHS Hydroinformatics Committee (2009-2012).

Dr. Liong is a 3-time recipient of the Best Paper Award of IAHR-APD Congress (1994, 2002 and 2012). In 2007 he was awarded by the President of Federal Republic of Germany the Order of Merit ("Bundesverdienstkreuz").