



## *Niu Jianxin*

Jian Xin is an associate and geotechnical manager with Aurecon Singapore Pte Ltd. He is a registered professional engineer and specialist professional engineer (Geotech) with 20 years of experience in Singapore, Hong Kong, China, and Australia. He received his master's degree in geotechnical engineering from National University of Singapore. He has been a geotechnical team leader with global consulting firms such as MWH Consultant and Connell Wagner for over 10 years, in Singapore.

He has expertise in retaining wall for deep excavation, cut and cover tunnels, bored tunnels, embankments, foundations for buildings, transmission towers and offshore structures, dams, slope stability, ground improvements, instrumentation and monitoring.

He was involved in various infrastructure projects including the Three Gorges Dam Project with a research state Institute in Beijing and City of Dreams Casinos project in Macau. In Singapore, Jian Xin worked on deepest excavation for largest NEL MRT interchange in Singapore with Obayashi Co. He was the lead geotechnical engineer for the Circle Line Stage 3 Project including 5 underground stations and 6km long twin tunnels. He was also responsible for designing pile foundations for Peihwa School, underpinning of Bishan depot, analysing and supervising Singapore 1st deep tunnel sewerage Changi outfall project (~5km). He was also the assistant of expert witness (Dr IH Wong) for Inquiry on Nichol Highway Collapse. In Australia, he was involved in major projects like Newcastle Coal Export Terminal and the Gateway Project in Brisbane. He is working on Down Town Line stages 2 and 3, Marina Coastal Expressway in Singapore and Expressway Rail Link, Hong Kong

Jian Xin has published more than 15 technical papers in international conferences and technical journals. He is a senior member of IES and member of TUCSS. He is also Australian Chartered Professional Engineer and a committee member of IEAust Singapore group.