

Dr. Mak Chin Long

School of Civil and Environmental Engineering

Ph.D. (Civil Engineering) / Class of 2003

M.Eng (Civil Engineering) / Class of 1997

In recognition of his contributions to transportation planning, modelling and engineering consultancy works both in Singapore and overseas, the School of Civil and Environmental Engineering (CEE), Nanyang Technological University, is proud to present Dr. Mak Chin Long with the CEE Outstanding Alumni Award.

Dr. Mak is a senior leader with CPG Corporation, the corporatised entity of the former Public Works Department of Singapore, and currently holds the positions of Executive Vice President (Engineering Group), CPG Consultants Pte Ltd, and Senior Vice President (Division Head), CPG Transport.

He has over 20 years of experience in a wide range of transportation planning, modelling and engineering consultancy works for both public and private agencies and organisations in Singapore and abroad, including China, India, Malaysia, Indonesia, Brunei, the Philippines, Thailand, Vietnam, Dubai, Abu Dhabi, Iran, and Qatar. As the Division Head of CPG Transport, Dr. Mak has led and advised project teams for more than 300 comprehensive transport and traffic studies.

In Singapore, Dr. Mak has been involved with key projects such as Changi Airport Landside (Terminals 1, 2, 4 and 5, Jewel, Changi East Industrial Zone) and Airside (Terminals 1-5), Tuas Port, Jurong Innovation District, Punggol Digital District, Singapore Sports Hub, Ng Teng Fong General Hospital and the North-South Corridor Study. Overseas projects he has worked on include the Tianjin Eco-City (China), Mashhad City's Road Pricing (Iran) and SM SuperCity (Philippines).

A published author and reviewer for international academic journals such as the *IEEE Transactions on Intelligent Transportation Systems* and the *Journal of Transportation Engineering*, Dr. Mak has also been invited to sit on various expert panels in Singapore and overseas.

In 2013, the Sino-Singapore Nanjing Eco Hi-Tech Island Development Co., Ltd asked him to be part of its expert panel evaluating transport design proposals from Tongji University and the Jiangsu Urban Planning & Design Institute. Under the College of Fellows (CoF) of The Institution of Engineers, Singapore (IES), he sat on the Advisory Panel, offering his expertise in transportation planning and engineering for large-scale development proposals. He was also appointed as an expert to review the completed Forecast Ridership for Hanoi Rail Line 2 in Vietnam.

A proud CEE alumnus, Dr. Mak has shared his extensive experience in Singapore's transportation master planning as part of CEE's "Leaders in Urban Systems and Policy" course since 2021, and has also served as a NTU CEE Mentor. In addition, he has contributed to NUS Civil and Environmental Engineering as an industry co-supervisor for a PhD candidate and a panel member for the MSc Capstone Project.

He has previously been featured in various editions of the *Who's Who in Science and Engineering* and *Who's Who in the World* published by Marquis. In 2021, he was featured in its *Who's Who in Engineering Singapore* book as one of the 250 outstanding engineers who have contributed to Singapore's development and progress.

Dr. Mak is a Fellow with the Chartered Institution of Highways & Transportation, UK; Senior Member of IES; and Member, Road Engineering Association Asia & Australasia.