

**Mr Lam Pei Wei, James**

School of Civil and Environmental Engineering  
B.Eng / Class of 1998

In recognition of his contributions to various key coastal and reclamation projects in Singapore and helping to promote the field of engineering here, the School of Civil and Environmental Engineering (CEE), Nanyang Technological University, is proud to present Mr Lam Pei Wei, James with the CEE Outstanding Alumni Award.

Mr Lam rose through the ranks at Surbana Jurong and is currently Managing Director, Coastal Engineering, at the global urban, infrastructure and managed services consulting firm headquartered in Singapore, and which has 16,000 employees globally across Surbana Jurong and its member companies. He is currently managing the large-scale port development project at Tuas, which will eventually be one of the deepest mega ports in the world, as well as the reclamation work to expand Jurong Island to cater for the needs of Singapore's oil & gas industry.

Recently, Surbana Jurong was appointed by the Public Utilities Board (PUB) to study the impact of sea level rise on Singapore's northwest coast, which is a 24km stretch from Tuas Checkpoint to Lim Chu Kang jetty and comprises mainly the Tengeh, Poyan, Murai and Sarimbun reservoirs, as well as military camps and training areas. Mr Lam, who as the leader of Surbana's coastal engineering team will play a key role in this project, said in an interview: "The northwest's unique coastline presents an opportunity to combine nature and engineering-based hybrid solutions as a way to innovate adaptation measures and ensure coastal protection and sustainable development."

Armed with strong geotechnical background and knowledge, Mr Lam has supervised large-scale soil investigation and instrumentation works using advanced equipment such as the radio-isotope cone and specialised laboratory stress path tests. On top of his geotechnical expertise, he is also an experienced and highly competent project manager who has completed large-scale projects involving many stakeholders and international contractors.

Seeking to inspire a new generation of technically-savvy and environmentally conscious engineers to join the industry, Mr Lam is part of the inaugural batch of 24 CEE Mentors. The mentorship programme began in January and consists of voluntary adjunct appointments, with the mentors contributing to research, innovation and student/faculty mentorship. Over the years, he has also actively participated in CEE events as an alumnus and collaborated with many CEE faculty in projects related to coastal engineering and land reclamation.

In addition, Mr Lam has lent his time to "Techignite", a Speaker Series organised by NTU's College of Engineering to raise interest among Junior College and Polytechnic students towards the Engineering discipline. He spoke on the topic of "Space Creation for Cities of the Future" and discussed how – as the third most densely populated country in the world – Singapore must develop innovative strategies to optimise space.

Mr Lam has also shared his experiences and knowledge as a speaker on other platforms, such as seminars with the Geotechnical Society of Singapore (GeoSS) and Association of Consulting Engineers Singapore (ACES), as well as the Young Professional Commission's (YP-Com) Biennial Technical Visit to Singapore in 2019.