

WEBINAR TALK ON CONSTRUCTION ON VERY SOFT GROUND



**SPEAKER :
PROF CHU JIAN**



**20 SEPTEMBER 2023,
WEDNESDAY**



3 PM -5 PM

Registration Fees
Student Members : Free
IEM Members : RM 15.00
IEM Non Members : RM 70.00

**BEM Approved CPD: 2
Ref. No.: IEM23/HQ/360/T(w)**

SYNOPSIS

This lecture will focus on two topics: 1) Construction on super soft ground such as land reclamation using dredged slurry and 2) Constructions of seawall on soft seabed. For the first topic, four methods namely Broms' method, Modified Broms' method, Short PVDs + vacuum preloading method and Horizontal drainage enhanced geotextile (HDeG) sheet method will be presented with case studies. For the second topic, methods on the use of suction caissons and preloading using PVDs installed offshore will be introduced with a case study.

SPEAKER'S BIODATA

Prof CHU Jian is the President's Chair in Civil Engineering, the Chair of the School of Civil and Environmental Engineering and the Director of the Centre for Urban Solutions at the Nanyang Technological University (NTU), Singapore. He also worked for Iowa State University, USA, from 2011 to 2014 as professor and James M. Hoover Chair in Geotechnical Engineering. Prof Chu is currently the Chair of Technical Committee TC217 on Land Reclamation and a Committee Member for TC211 on Ground Improvement under the International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE). He is an Editor of a high impact journal Acta Geotechnica, Editor-in-chief of Biogeotechnics, and Co-Editor for Journal of Materials in Civil Engineering, ASCE. He has delivered over 70 keynote or invited lectures at international conferences. As a past President of the Geotechnical Society of Singapore, Prof Chu has worked as a consultant or advisor for a number of large-scale projects in Singapore and other countries. He received the R. M. Quigley Award from the Canadian Geotechnical Society in 2004 and the Outstanding Geotechnical Engineer Award from the Geotechnical Society of Singapore in 2018.

