

TACKLING CLIMATE CHANGE AND ACHIEVING SUSTAINABILITY: SINGAPORE'S PROSPECTIVE

Speaker

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Abstract

Nations which have signed the Paris Accord are obliged to work towards carbon neutral in a specific time frame. Singapore is one of the many countries which had signed the Accord. This presentation highlights the efforts made by Singapore as a whole. The country has adopted a multi-efforts approach by putting forward many different possible efforts to achieve carbon neutral. These include obtaining energy by means of solar, nuclear power, geothermal, hydrogen, and other means. If certain efforts are established to be not promising or too costly after studies, Singapore can rely on other means that can achieve the goal in a more efficient and cost way of achieving carbon neutral. The roles that geotechnical engineers can play are also highlighted.

Biography

Prof CF Leung is Emeritus Professor, National University of Singapore and Professor, China University of Mining and Technology, Xuzhou, China. He is a Fellow of the Academy of Engineering Singapore and the Executive Editor of the Deep Underground Science and Engineering Journal published by Wiley. His research interests include centrifuge modeling, soil structure interaction, offshore and marine geotechnics. Prof Leung is part of the research team that received the Singapore government Ministry of Transport 2021 Innovation Distinguished Award. Besides research, Prof Leung is a Professional Engineer (Geotechnical Specialist) of Singapore and active in geotechnical practice involving in many projects in public and private sectors in Singapore and overseas.



20 December 2023
Wednesday



11:00 am - 12:00 pm



**Room 3598 (Lift27/28),
HKUST**

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