THE ENGINEER'S EDGE

IEM YES

The Institution of Engineers, Malaysia

YOUNG ENGINEERS SECTION

(A collaboration between IEM YES PAHANG & IEM-YES HQ)

LIVE **WEBINAR**

UNDERSTANDING GEOTECHNICAL REPORT

DESIGN CONSIDERATION (BASED ON EUROCODE 7) & CASE STUDY SHARING

DR. CHEEMIN KHOO
SPEAKER

IR. FRANKIE CHEAH
SPEAKER

Join us for an insightful session where industry experts break down the key aspects of geotechnical reports, explore Eurocode 7-based design principles, and share real-world case studies.

Perfect for young engineers, students, and professionals seeking to deepen their understanding of ground engineering and infrastructure design.

WEDNESDAY
4 JUNE, 2025
03:00 PM - 05:00 PM
ONLINE

Registration Fee

Students: Free
IEM Members: RM15
Non-Members: RM70

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BEM Approved CPD: TBA
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SPEAKER PROFILE:

UNDERSTANDING GEOTECHNICAL REPORT DESIGN CONSIDERATION (BASED ON EUROCODE 7) AND CASE STUDY SHARING

Dr. Cheemin Khoo holds a Bachelor's degree with First Class Honours from Universiti Teknologi Malaysia and both an MSc degree and PhD in Civil Engineering from Universiti Teknologi PETRONAS. With over 20 years of extensive experience, he is a recognised specialist in geotechnical and tunnel engineering, with expertise in consultancy and design management. Currently, he serves as a Director at CMKS Consultancy Sdn Bhd, a leading geotechnical consultancy firm in Malaysia. Dr. Khoo has made significant contributions to major tunnelling and metro projects in the region, including Malaysia's MRT Kajang Line, Putrajaya Line, and Circle Line, as well as Singapore's MRT Thomson-East Coast Line and East-West Transmission Cable Tunnel. He is a Fellow and Council Member of The Institution of Engineers, Malaysia (IEM), and a Past Chairman of the Tunnelling & Underground Space Technical Division. Notably, he was the Deputy Organising Chairman of the World Tunnel Congress 2020. Representing Malaysia in the International Tunnelling and Underground Space Association (ITA), Dr. Khoo actively contributes to Working Group 2 (Design and Engineering) and Working Group 11 (Immersed and Floating Tunnels). He has published nearly 40 technical papers and received the prestigious Tan Sri Hj. Yusoff Prize in 2019 for his co-authored paper, "The Present & Future Sustainable Use of Underground Space in Malaysia", the highest recognition for outstanding civil engineering papers by corporate members of IEM.

Ir. Frankie Cheah is a professional engineer with more than 19 years of experience in the design of large rail infrastructure projects especially across Asia region. His areas of expertise include deep foundations and underground earth retaining structures for both top-down and bottom-up construction in Malaysia and Singapore, involving the impact and interaction with existing development/infrastructure inside the central business district. Existing infrastructure consists of an existing rail structure, a substantial building with a basement, an underground structure, and an existing rail tunnel. Core experiences in consultancy for various project around Asia region, Frankie able to gain vast skill to produce a competent geotechnical element design that incorporate safety and economic aspect. He also promotes to enhance his skill and knowledge in technical write-up on his completed projects. He was the key geotechnical engineer for AECOM for both the Klang Valley MRT–Sungai Buloh–Kajang Line (Line2) and Klang Valley MRT–Sungai Buloh–Kajang Line (Line1). More recent projects that he provided geotechnical technical support included the detailed design of the Rapid Transit System (RTS) Link, and the KVMRT Line 3 tender preparation together with few other designs and built contract support for Jurong Region Line & Singapore Cross Island Line package with AECOM Singapore. He is also actively involved in promoting tunnelling and underground space with Malaysia as Deputy Chair of The Tunnelling and Underground Space Technical Division (TUSTD) of the Institution of Engineers, Malaysia. He also actively involved in International Tunnelling and Underground Space (ITA-AIES) event such as WTC 2020, 46th ITA general and Symposium of Young Tunnellers of Asia (SYTA). Frankie possesses great interpersonal skills, which are needed for the company's technological development leadership position.