

The HKIE Geotechnical Division 44th Annual Seminar

“Elevating Geotechnical Excellence: Novel Practices and Innovative Solutions”

CALL FOR ABSTRACTS

Date & Venue

31 May 2024 (S421 Hong Kong Convention and Exhibition Centre)

Theme

The 2023 Policy Address highlights a range of major development projects in Hong Kong, such as the Northern Metropolis, the Kau Yi Chau Artificial Islands, the Three Railways and Three Major Roads proposals together with other railway, green mass transit and road projects. These development projects, combined with other ongoing projects, present significant prospects for the construction industry. They also pose challenges such as timely completion of sheer number of projects for increasing the housing supply and enhancing resilience of the city in the face of climate change. Geotechnical engineers, plays a crucial role in ensuring the smooth delivery and sustainability of these development projects, and it is essential to continuously explore innovative ideas to push the boundaries of excellence. The time is nigh for us to elevate the professionalism of geotechnical engineers into new heights through fostering collaboration and knowledge sharing. This seminar serves as a platform for practitioners and academics to share novel practices and innovation solutions with an aim to elevating geotechnical excellence.

Topics Relevant to the Theme

Members, practitioners and academics are invited to submit papers on topics and cases relevant to the theme, such as:

- 1) Novel geotechnical design approaches / practices / applications
- 2) Advanced construction methods / technologies
- 3) Use of new, green and sustainable construction materials
- 4) Use of smart technology and innovative solutions in geotechnical aspects such as BIM, AI, IoT, big data analytics, digital twin
- 5) Advancements in supervision and monitoring techniques
- 6) Latest in-situ and laboratory testing methods / practices
- 7) Physical modelling and numerical simulations
- 8) Geotechnical solutions to enhance resilience against extreme weather conditions
- 9) Geotechnical contribution to master planning
- 10) Successful project experience over challenging geotechnical / geological problems

Privilege for Young Members

To promote the publication of research findings and project experiences among young members, short papers with approximately 2,000 to 2,500 words will be open for submission to individuals aged 35 or under as of 1 April 2024.

Call for Abstracts

Submission of abstracts, including those of Young Members' short paper entries, of not more than 500 words is invited. Please submit your abstract by 15 January 2024 through email: hkiegdas2024@gmail.com. Acceptance of the abstracts will be announced by the middle of February 2024.

Details of the registration for the seminar will be announced later. For enquiries, please contact Mr. Dominic Fung (Event Secretariat) at dominicfungyf@gmail.com