

AGENDA

1. To receive and confirm the minutes of the 44th Annual General Meeting. (Attachment 1)
2. To receive and adopt the Annual Report of the Division for Session 2024/2025. (Attachment 2)
3. To receive and adopt the Financial Statement of the Division for Session 2024/2025. (to be presented at the AGM)
4. To elect the Chairman, Ordinary Members and Council Member of the Division Committee for Session 2025/2026. (Attachment 3)
5. Any other business.



*Ir Terence Yau
Honorary Secretary
Geotechnical Division
3 April 2025*

*Tel: 2973 5709
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Annual Report for Session 2024/2025

The 44th Annual General Meeting (AGM) was held on 6 May 2024, 6:30 pm at the HKIE Headquarters, 9/F Island Beverley, No. 1 Great George Street, Causeway Bay, Hong Kong with an attendance exceeding the quorum of 50.

1. *Minutes of the 43rd Annual General Meeting*

The minutes of the 43rd Annual General Meeting, held on 15 May 2023, were circulated to all members of the Division prior to the meeting by posting on the Geotechnical Division website. There were no questions from the Floor on the minutes.

MOTION: Moved by Ir Y C Lam and seconded by Ir Maureen Ng to approve the minutes of the 43rd AGM. The motion was carried with a unanimous vote by a show of hands.

2. *Annual Report for Session 2023/2024*

The Annual Report for Session 2023/2024 was circulated to all members of the Division prior to the meeting by posting on the Geotechnical Division website. The Chairman, Ir Dr Gavin Toh, gave a presentation highlighting the major activities and events organised by the Division during the Session, including technical meetings and visits, workshops and seminars, prizes and awards, sponsorships, scholarships, community services, and overseas visit and links. There were no questions from the Floor on the Annual Report.

MOTION: Moved by Ir Tony Ho and seconded by Ir Dr Johnny Cheuk to adopt the Annual Report for Session 2023/2024. The motion was carried with a unanimous vote by a show of hands.

3. *Financial Statement for Session 2023/2024*

The Financial Statement for Session 2023/2024 was circulated to all members of the Division prior to the meeting by posting on the Geotechnical Division website. The Honorary Treasurer Ir Clifford Hung provided a summary on the Financial Statement. It was noted that the finance of the Division would remain healthy at the end of the Session. There were no questions from the Floor on the Financial Statement.

MOTION: Moved by Ir Rupert Leung and seconded by Ir Ray Chan to adopt the Financial Statement for Session 2023/2024. The motion was carried with a unanimous vote by a show of hands.

4. *Election of the Chairman and Ordinary Members of the Division Committee for Session 2024/2025*

4.1 The outgoing Division Committee had nominated Ir Dr S W Lee of AECOM for the Chairman of Session 2024/2025. There had been no other nominations received.

MOTION: Moved by Ir Tony Ho and seconded by Ir Dr Ryan Yan to elect Ir Dr S W Lee as the Chairman of the Division for Session 2024/2025. The motion was carried with a unanimous vote by a show of hands.

4.2 The outgoing Division Committee had nominated the following members to fill the four vacancies of Ordinary Members for Session 2024/2025:

Ir Kelvin CHoi	Dragages	
Ir Victon Wong	AECOM	(re-elected)
Ir Candy Tsoi	Fugro	(re-elected)
Ir Terence Yau	C M Wong & Associates	(re-elected)

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There had been no other nominations received.

MOTION: Moved by Ir Chris Lee and seconded by Ir Carmen Lau to elect the four candidates nominated as the Ordinary Members of the Division Committee. The motion was carried with a unanimous vote by a show of hands.

- 4.3 The outgoing Division Committee had nominated the following members to fill the two vacancies of Ordinary Members under the age of 35 for Session 2024/2025:

Ir Dominic Fung	HKU
Ir Derek Yu	AECOM

There had been no other nominations received.

MOTION: Moved by Ir Mickey Goh and seconded by Ir Maureen Ng to elect the two candidates nominated as an Ordinary Member under the age of 35 of the Division Committee. The motion was carried with a unanimous vote by a show of hands.

5. *Any Other Business*

- 5.1 The Chairman-elect, Ir Dr S W Lee, proposed a vote of thanks to Ir Dr Gavin Toh for his leadership as the Chairman of the Division for a successful year and other outgoing retiring members for their services. It was duly approved by applause from the floor.

6. *There being no other business, the meeting was declared closed at 7:00 pm.*



Ir Dr Gavin Toh

Chairman

Geotechnical Division (Session 2023/2024)



Ir Roy Hung

Honorary Secretary

Geotechnical Division (Session 2023/2024)

Annual Report for Session 2024/2025

1. Chairman's Statement

The Geotechnical Division (GD) have had a blast in Session 2024/25! The dream team of 40-strong GD Committee have been working tirelessly to provide our best services to the GD members and engineers at large. We have been promoting best geotechnical practices locally and telling good stories of geotechnical excellence in Hong Kong to overseas counterparts. All these have been made possible by having unwavering supports from the HKIE Headquarters and the Government of the Hong Kong SAR.

Continuing the tradition of acquainting engineers with marvellous civil/geotechnical projects in Hong Kong, the GD has stepped it up in organising the number of quality technical seminars/workshops and technical site visits with continuing professional development (CPD) certificates. On average, there have been two to three these CPD events each month.

In promoting geotechnical engineering, the GD has continued organising AECOM Prize, Fugro Prize, GD Sponsorship Scheme, Geotechnical Contractors Scholarships, Ringo Yu Prize, and Technical Report Prize to university students and young geotechnical professionals. The GD has been very grateful to the generous industry sponsors who have been supporting us for many years.

We have connected Hong Kong with the world by inviting overseas professionals to Hong Kong participating in our international events such as the Young Professional Think Deep Programme 14-18 October 2024, Tripartite Seminar 28 November 2014, and Nick Barton's Thematic Course on Rock Mechanics and Rock Engineering 10-11 January 2025. At these global events, dozens of nationalities have brainstormed, networked, and sowed the seeds of future collaborations.

The GD Annual Dinner 2025 themed "Foster our Legacy, Link our Excellence" on 28 February 2025 was attended by 480 guests of the engineering fraternity. The Guest of Honour from Microsoft elucidated how artificial intelligence (AI) has reinvented the way we work, which was corroborated by the GD's stance that AI has been a paradigm shift in optimising geotechnical projects and managing risks.

The much-awaited GD Annual Seminar 2025 themed "Advancing Geotechnical Practice: Sustainable Solutions to Land and Infrastructure Developments" will take place on 9 May 2025. Two prominent Keynote Speakers, Professor Chu Jian and Ir Dr Julian Kwan, will present innovative geotechnology developments from Singapore and Hong Kong, together with a dozen of other presentations on cutting-edge projects.

The sophomore Geotechnical Project Excellence Award 2025 aims to recognise the extraordinary achievements of landmark geotechnical projects in Hong Kong, with Professor Richard Jardine from the Imperial College London as the presiding judge. Winners will be announced on 3 July 2025 at the grand GD Prize Giving Ceremony.

To consolidate ties with Motherland China amid technological advancements, the GD is organising a technical visit to Guangxi from 15 to 20 June 2025. Cross-disciplinary projects such as hydropower, windfarm, and photovoltaics will be visited to broaden the perspective of geotechnical engineers.

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Finally, a big salute to our dynamic Young Geotechnical Club and Geotechnical Pioneer, as well as their helpers. All the events mentioned above would not have been possible without their organising skills, attention to detail, and perennial presence. Together, we build a legacy of geotechnical distinction in Hong Kong and globally.

A handwritten signature in black ink, appearing to read 'Siew Wei Lee', with a small horizontal line underneath the name.

Ir Dr Siew Wei Lee
Chairman
Geotechnical Division (Session 2024/2025)

Annual Report for Session 2024/2025

2. Membership

As at 3 February 2025, the Geotechnical Division (GD) has a membership of 4,781, including 275 Fellows, 3,568 Corporate Members and 769 Graduate Members. There are also 47 Associate Members, 100 Student Members, and 22 Affiliate Members.

Appendix A presents the list of GD committee members, organising committees and task forces for Session 2024/2025.

3. Financial Highlights

The GD began the financial year with a healthy balance of HKD2,295,002.68 (as at 31 March 2024) from Session 2023/2024. For the financial year from 1 April 2024 to 31 March 2025, the Division recorded an overall deficit of HKD648,327.89.

In this Session incomes were contributed from TCP T3 Top-up Course, Workshops on Geotechnical Engineering on various topics and Annual Seminar, whereas expenses were mainly associated with the overseas technical visit, local technical meetings, soil testing video production, the HKIE GD website enhancement, sponsorships for attending overseas conferences, YPTDP and Tripartite seminar. Full details of the 2024/2025 "End of Year Account" will be available for inspection shortly after audit.

It is expected that a healthy accumulated fund of HKD1,646,674.79 would be carried forward to next Session 2025/2026.

4. Technical Meetings, Workshops, Seminars

Technical meetings, workshops and seminars have been organized physically and/or virtually via webinars. The details are presented in **Appendix B** and the major ones are highlighted below.

4.1 45th Annual Seminar - Advancing Geotechnical Excellence: Sustainable Solutions to Land & Infrastructure Developments

The 45th Annual Seminar will be held on 9 May 2025. The keynote speakers will be Prof Jian CHU of Nanyang Technological University, Singapore and Ir Dr Julian Kwan of the Civil Engineering and Development Department of the HKSAR. This one-day seminar will include a series of physical presentations, with over 30 papers to be published in the proceedings.

4.2 Workshops on Geotechnical Engineering

The Division has organised a series of workshops targeting young engineers and industry practitioners with an interest in geotechnical works. The workshops are listed below:

1. e-Workshop on GeoSS-HKGES Workshop on 5 August 2024;
2. e-Workshop on Workshop on Foundation Engineering – Part I: Prescriptive and Rational methods for Pile Design in Hong Kong on 7 September 2024;
3. Workshop on Young Professionals' Think Deep Programme 2024 (YPTDP) on 14-18 Oct 2024;
4. e-Workshop on Foundation Engineering – Part II: Offshore Foundation on 19 October 2024;
5. e-Workshop on Excavation and Lateral Support – Part III: Case Study on ELS Geotechnical Control and Remedial Works on 30 November 2024;
6. Workshop on Pitching to Impress on 24 March 2025; and
7. e-Workshop on Ground Improvement on 12 April 2025.

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4.3 Top-up Courses for TCP T3 on Ground Investigation Field Works (GIFW) and Building Works with Significant Geotechnical Content

A top-up course with a series of lectures and an examination for TCP T3 on GIFW and Building Works with Significant Geotechnical Content was held from 7 April to 30 April 2025. The course aims to equip graduate engineers, geologists and technical inspection supervisors with essential geotechnical knowledge that is needed for those with less than 2 years of relevant experience to be qualified as TCP T3 in accordance with the Code of Practice for Site Supervision 2009 issued by the Buildings Department. The course has been one of the most favourable events of the GD reflecting the strong demand in the market.

5. Technical Visits

The technical site visits were organized showcasing various projects, including tunnelling, geotechnical innovation, stormwater management, railway construction, cavern development, and public housing infrastructure, see full list in **Appendix C**. Participants received comprehensive presentations and tours from notable industry professionals, gaining firsthand experience in cutting-edge techniques and best practices.

Innovative Practices: Visits highlighted advancements in materials, Tunnel Boring Machines (TBM), tunnelling techniques, and bored pile trails in the Northern Metropolis.

Diverse Projects: A wide range of projects offered insights into various aspects of infrastructure development.

Collaboration: Interactions with clients, consulting firms, and main contractors underscored the importance of cooperation in large-scale projects.

These visits greatly enhanced participants' knowledge and practical expertise in geotechnical development, better preparing them to apply these innovations in their roles. **Appendix C** provides a list of technical site visits organized in Session 2024/2025.

6. Prizes, Awards and Sponsorships

6.1 AECOM Prize

AECOM Prize for Best Students of the Year is awarded to engineering students attaining good performance in geotechnical subjects at local universities that offer eligible undergraduate degree courses accredited by the HKIE for Scheme "A" training in the geotechnical discipline. The prize awardees are as follows:

Awardee	University
MANG Pui Yam	The Hong Kong Polytechnic University
CHANG Sin Tong	The Hong Kong University of Science and Technology
MAN Chun Pong	The University of Hong Kong

AECOM Prize for Best Final-Year Geotechnical Projects is awarded to students at local universities to recognise their excellent performance in the final year geotechnical projects so as to encourage them to keep up their effort to improve the local engineering practices in their future careers. The judging panellists are Ir Ray Chan, Ir Y C Lam and Prof Louis Wong. The prize awardees are as follows:

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Award	Awardee	University
Winner	CHAN Yui Hin	The University of Hong Kong
1 st Runner-up	CHEUNG Hoi Yee	The University of Hong Kong
2 nd Runner-up	LEUNG Yik Hin	The Hong Kong University of Science and Technology

6.2 Fugro Prize

The Fugro Prize is awarded to young members of the HKIE to recognise their geotechnical study, research or project work with significant contributions to the advancement of the geotechnical practice in Hong Kong. The judging panellists are Ir Ray Chan, Ir Alvin Lam and Ir Y C Lam. The final competition was held on 21 March 2024 via Zoom, during which the authors of shortlisted papers were invited to make an online presentation in front of the judging panel and the audience. The prize awardees are as follows:

Award	Awardee	Affiliation	Title of Paper
Winner	GOH Sze Ngai	GEO	Exploring joint network modelling for tunnel/cavern rock support design
1 st Runner-up	CHEN Ze-Jian & WU Pei-Chen	PolyU	Reclamation and settlement prediction of Hong Kong marine deposits with horizontal drains
2 nd Runner-up	Peter WONG & Shane Ho	Fugro	Automation of soil nail design with cloud computing

6.3 Ringo Yu Prize for Best PhD Theses in Geotechnical Study

With the support of Ir Ringo Yu, the GD has launched the Ringo Yu Prize for Best PhD Theses in Geotechnical Studies since Session 2018/2019. The prize aims to commend the best PhD theses in geotechnical engineering and engineering geology in Hong Kong. A prize of HK\$8,000 is awarded to a PhD graduate with thesis of outstanding quality from each local university offering PhD degree in geotechnical or engineering geology studies. The university nominated prize awardees are as follows:

Awardee	University
Dr CHEN Yutang	The University of Hong Kong (Department of Civil Engineering)
Dr SHENG Chong	The University of Hong Kong (Department of Earth Sciences)
Dr JIANG Ruochen	The Hong Kong University of Science and Technology
Dr YU Lujia	The Hong Kong Polytechnic University
Dr Nallala Sarath Chandra REDDY	The City University of Hong Kong

6.4 Geotechnical Contractors Scholarship Scheme

The Geotechnical Contractors Scholarship is contributed by donations from a group of contractors involved in geotechnical works such as ground investigation, foundation, site formation and Landslip Prevention and Mitigation Programme works in Hong Kong. It aims to provide financial assistance and encouragement to undergraduate engineering and earth science students to pursue studies in geotechnical engineering.

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A selection panel consisting of DH(M) Ir Thomas Hui, Ir Dr SW Lee and Ir Derek Yu was formed to review the applications received from the local universities and to recommend awards. One awardee has been selected from each university as follows:

Awardee	Major course	University
Ms CHAN Tsz Tung Krista	Geotechnical Engineering	The Hong Kong Polytechnic University
Ms LI Ching Yi	Earth Science	The Chinese University of Hong Kong
Mr TAI Chun Long	Geotechnical Engineering	The University of Hong Kong
Mr WONG Man Fung	Geotechnical Engineering	The Hong Kong University of Science and Technology
Mr WONG Wai Cho	Geotechnical Engineering	The Technological and Higher Education Institute of Hong Kong

6.5 Technical Report Prizes

Technical Report Prizes are awarded to young engineers who prepare high-standard technical reports on technical visits organized by the GD, to encourage participation in GD events and promote the practice of report writing. The prize awardees are as follows:

Topic : Technical Site Visit to -	Prize awardee
Central Kowloon Route – Contract No. HY/2018/08 Central Tunnel	Ms Angela CHOW
Nano and Advanced Materials Institute (NAMI) Laboratories – Geotechnical Material Innovation	Ir Ken T K YUNG
Route 11 – Horizontal Directional Coring (HDC)	Ir Daniel K Y LEUNG
Contract No. DC/2022/05 Sau Nga Road Stormwater Storage Scheme	Ir TO Sai Shun
MTR Kwu Tung Station on East Rail Line (Contract No.: 1601)	Ms Krista CHAN
Joint Cavern Development at Anderson Road Quarry Site	Mr John LU
Technical Visit to Trial Pile work under GEO's Contract No. GE/2023/20	Ms Raina CHAN
DC/2022/03 "Yuen Long Barrage and Nullah Improvement Schemes"	Ms NG Ka Wing
Tung Chung West Station and Tunnels (Contract No.: 1201)	Mr LEE Siu Hin

6.6 Sponsorship Scheme

This sponsorship scheme offers engineers to attend international conferences physically or virtually to broaden their horizon and share their lessons learned from the attended conferences with other engineers. Applications for sponsorship were assessed by Ir Ray Chan and Ir YC Lam.

The sponsorships awarded in this session are as follows:

Awardee	Amount	Conference
Ir Ray Chan	HK\$ 5,000	World Tunnel Congress 2025, Stockholm, Sweden (9-15 May 2025)
Ir Kelvin Choi	HK\$ 5,000	

6.7 Geotechnical Project Excellence Award 2025

The HKIE Geotechnical Project Excellence Award (the Award) is set up to recognise the technical excellence in planning, design, and construction of geotechnical works in Hong Kong. This is a

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biennial award that Hong Kong projects with geotechnical works completed within the period from 1st January 2023 to 31st December 2024 are eligible to apply this award. Further details of the Award are available at <https://hkiegd.org/public/geotechnical-project-excellence-award>. This award is categorised by the nature of the contending projects, which are (1) Slope works; (2) Tunnels and caverns, and (3) Ground engineering – including foundations, excavation, reclamation, ground treatment. HKIE GD invited Prof Richard Jardine, Ir Prof Charles Ng and Ir Prof WK Pun as the judging panel of this award.

The registration period was opened from 29th November 2024 to 31st March 2025 (might be extended) through different promotion channels, such as the HKIE GD website and social media. The shortlisted entries will be invited for project presentation to the judging panel and followed by a sub-sequence prize presentation on 3rd July 2025 in Royal Plaza Hotel, Hong Kong

6.8 HKIE GD Award Presentation Ceremony 2025

The HKIE Geotechnical Division Award Presentation Ceremony for 2025 will take place on 3 July 2025. This event will honour outstanding contributions through the presentation of several prestigious awards, including the Geotechnical Project Excellence Award, the Fugro Prize, the AECOM Prize, the Ringo Yu Prize for Best PhD Theses in Geotechnical Study, and the Geotechnical Contractors Scholarship. Additionally, we will acknowledge the dedication of our young members with the Outstanding Service Award. These recognitions not only celebrate achievements in geotechnical projects but also underscore our support for members through scholarships, further enriching their professional development.

7. Overseas Links

7.1 HKIE-IEM-CIE Tripartite Seminar

The Tripartite Seminar is an annual event jointly organised by the respective geotechnical divisions of the Hong Kong Institution of Engineers (HKIE), the Institution of Engineers, Malaysia (IEM) and the Chinese Institute of Engineers (CIE, Taiwan). Led by Ir Jack Yiu, the 2024 Tripartite Seminar was held in Hong Kong on 28th November at Cityview Hotel, Yau Ma Tei. There were over 100 participants attended the Seminar including delegates from Malaysia and Taiwan, as well as members of HKIE GD and local practitioners.

There was a total of 15 presentations given by representatives of HKIE GD, IEM and CIE.

In addition to the Seminar, a technical visit to Po Shan Drainage Tunnel was organised for the delegates of IEM and CIE on 29th November.

The next Tripartite Seminar would be held in Kuala Lumpur in December 2025.

7.2 The Nick Barton Thematic Workshop

On 10–11 January 2025, the HKIE Geotechnical Division, in collaboration with Institute of Materials, Minerals & Mining (IOM3) Hong Kong Branch and the Department of Earth Sciences at The University of Hong Kong, hosted a remarkable two-day course on Rock Mechanics and Rock Engineering delivered by the world-renowned expert, Dr Nick Barton. Attended by over 200 participants, the course explored foundational principles and international practices of rock engineering, highlighting topics such as the Barton-Bandis joint shear strength criterion, the Q-system, and the Norwegian Method of Tunnelling (NMT). Dr Barton also addressed pressing challenges in numerical modelling and groundwater control during tunnelling works. His unique insights and practical case studies offered invaluable knowledge to Hong Kong's geotechnical community.

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The event's highlights included stimulating discussions on the continuum vs. discontinuum dilemma, where Dr Barton strongly advocated for discontinuum-based numerical modelling in rock engineering over the commonly adopted continuum approach, sparking engaging exchanges with participants. The course concluded with a focus on pre-grouting techniques for achieving completely dry tunnels, inspiring attendees to share local experiences and engage in comprehensive discussions on how these practices enhance sustainable tunnelling design. The course not only deepened participants' understanding of rock mechanics but also underscored the importance of innovative and practical solutions in modern rock engineering.

8. Working Groups

8.1 Geotechnical Pioneer

This working group was formed in 2019 with the aim of fostering our young members' interest and capability to advance their career in geotechnical engineering. The Geotechnical Pioneer working group proactively organized various events to help the members get prepared for the HKIE Professional Assessment.

This year, the working group had organized 4 online workshops on various topics in geotechnical engineering. The events were welcomed by members with overwhelming applications received. The working group will continue to explore new initiatives to motivate our young generation to join the geotechnical community with the long-term goal of maintaining a strong and sustained geotechnical workforce to serve the industry.

8.2 Young Geotechnical Club

The Young Geotechnical Club (YGC) is led by a group of young professionals under the age of 35. The objective of the group is to provide a platform for young professionals to expand their network and enrich their career development in the geotechnical field. The group also plays a supporting role to the operation of HKIE GD.

The YGC organised the following signature activities in Session 2024/2025, which target different groups of audience:

1. *Technical Visit to Site Formation and Infrastructure Works at Pok Fu Lam*: A joint technical visit was co-organised with ICE HKA G&S. The visit was fruitful and young practitioners gained knowledge in site formation works.
2. *Joint Seminar on Management and Cost Saving Initiatives for Large-scale Developments co-organised with ICE HKA G&S X HKIE GD YGC X ACEHK YMC*: A joint seminar on cost saving initiatives were organised with the ICE HKA G&S and the ACEHK YMC. Representative from the Development Bureau was invited to share on their experience in cost saving engineering solutions particularly on public works projects.
3. *Discovery Series at HKUST and THEi*: Career talks were organised at both HKUST and THEi. Through sharing and discussions, university students were attracted to geotechnical engineering and would like to pursue a career in geotechnical engineering in the future. Support and assistance from the HKIE GD committee were greatly appreciated.

The group will continue to organise a diversity of activities, promote the YGC and the profession of geotechnical engineering and help our young engineers to build their network from the early stage

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of their career. The group will also continue to maintain the helper group from young graduates to support other technical activities organised by the GDC.

8.3 Working Group on Knowledge Management

Working Group on Knowledge Management, in this session, has produced a short video on how geotechnical engineering helps to achieve and contribute to the United Nations Sustainable Development Goals (UNSDG), in particular, through geotechnical engineers' works in various infrastructure tunnels. The objectives of the video are to (i) promote public awareness of the geotechnical engineering practice, (ii) showcase the relevance of geotechnical engineering to sustainable development, and (iii) educate the general public on the various tunnel infrastructure supporting their day-to-day activities.

8.4 Task Force on Laboratory Test Videos

The Task Force on Soil Test Videos was established to develop a series of nine videos on the topic of soil tests commonly adopted in Hong Kong. These videos delved into a wide range of soil tests commonly carried out in building, civil and geotechnical projects, offering valuable guidance to construction industry practitioners in selecting and specifying appropriate soil tests based on their project requirements, existing ground investigation data, soil characteristics, sampling considerations, and more. In addition to showing the key soil test procedures, the videos also covered common misconceptions, provided insights on test result interpretation and introduced applications of the test results that could enhance project effectiveness, efficiency and economy. The nine videos were launched under the Sharing Seminar held at the HKIE Headquarters on 30 December 2024, and could be viewed from the Geotechnical Division website.

8.5 Young Professional's Think Deep Programme (YPTDP), Hong Kong 2024

The HKIE Geotechnical Division, in collaboration with the International Society of City and Regional Planners (ISOCARP) and the ITA Committee on Underground Space (ITACUS), successfully hosted the 5-day YPTDP 2024 from 14-18 October 2024 in Hong Kong. Supported by the Department of Real Estate and Construction at The University of Hong Kong and the Geotechnical Engineering Office of the Civil Engineering and Development Department, this YPTDP 2024 marked the first event of its kind as introduced in Asia. A total of 34 young professionals including engineers, geologists, architects, planners, and surveyors from both Hong Kong and around the world formed teams to develop master plans aimed at enlivening the Island West of Hong Kong through rock cavern development in the two Strategic Cavern Areas on the Island West of Hong Kong, showcasing the city's innovative use of underground space in the pursuit of sustainable urban development.

9. Annual Dinner

The HKIE Geotechnical Division's 30th Annual Dinner was held successfully at Ballroom of JW Marriott Hotel Hong Kong on 28 February 2025. With the theme "Foster our Legacy, Link our Excellence", the evening was filled with inspiration and celebration of remarkable accomplishments. We were honoured to have Mr Peter Lee, Head of Commercial Business, Microsoft Hong Kong, as our esteemed Guest of Honour and his presence added immense value to the event. The dinner brought together approximately 480 guests including members, distinguished guests, and local dignitaries, marking the highest attendances. It served as an excellent platform for networking and fostering connections within the industry.

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10. Hong Kong Geotechnical Society

The Hong Kong Geotechnical Society (HKGES) was established in 2003, to serve as a ‘foreign’ office of the HKIE Geotechnical Division, connecting members to the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE). The ISSMGE is the leading professional body representing the interests and activities of engineers, academics and contractors all over the world that actively participate in geotechnical engineering. Currently, the HKGES has 153 members.

The Annual General Meeting (AGM) was held on 3rd June 2024. Prof. Andy Leung of the Hong Kong Polytechnics University (PolyU) has completed his two-year President term and Prof. Anthony Leung of the Hong Kong University of Science and Technology (HKUST) was elected as the new President for the next two sessions 2025/26 and 2026/27. The new Vice President of the HKGES is Ir Dr Ryan Y. M. Yan of AECOM Hong Kong Ltd. and the new Secretary General is Ir Prof. Clarence Choi of the University of Hong Kong (HKU).

In Session 2025-26, to promote the exchange of knowledge and dissemination of experience amongst geotechnical practitioners/researchers around the world, the HKGES has nominated 2 additional members for 2 Technical Committees of the ISSMGE, which expands the total number of individual nominated members by HKGES up to 64.

On 5th August 2024, the Geotechnical Society of Singapore (GeoSS) and HKGES co-organised the first bilateral joint workshop at the Singapore on the theme ‘*Modern Technologies in Geotechnical Engineering: new materials, new construction methods and new instrumentation techniques*’. Five Hong Kong delegates, including Ir Dr Siew Wei Lee/Chairperson of HKIE GD, Prof. Anthony Leung/HKUST, Prof. Andy Leung/PolyU, Prof. Yu Wang/City University of Hong Kong and Prof. Louis Wong/HKU, have attended and delivered a talk in the event in person. Five other delegates from Singapore also shared their latest research and practice in a wide range of topics in geotechnical engineering. After the success of the 1st workshop, the two societies have confirmed to host the 2nd workshop in Hong Kong in mid-May 2025.

On 25th October 2024, the HKGES President, Prof. Anthony Leung, has visited the headquarter of the Japan Geotechnical Society (JGS) and gave a seminar to the JGS members, sharing the latest research conducted by the academics in Hong Kong in general and also the past and future activities of the HKGES. The two societies have discussed potential collaboration in the future.

On 3rd December 2024, the HKGES has co-organised the Joint Technical Seminar on ‘*The Remarkable Incidence of Global Landslide in 2024 and the Role of Climate Change*’ delivered by Prof. David Petley of the University of Hull, at the Geotechnical Engineering Office, CEDD.

On 17th February 2025, the Korea Geotechnical Society (KGS) and HKGES co-organised the 2nd joint workshop at the HKUST. The workshop theme is *Geotechnical Advances and Technology for Sustainable Future*. Altogether, 11 delegates from South Korea and 11 from Hong Kong have joint the workshop in person, sharing their latest advancements of scientific research and engineering practice. This 1-day workshop was run in hybrid mode and contains altogether 22 talks, covering a broad range of topics in soil mechanics and geotechnical engineering, all towards building sustainable future. The number of participant attended the workshop in person was 68, and the peak number of online participant was 167.

Between 19 and 21 May 2025, the HKGES will help host a visit from a 50-strong delegation from Singapore, including the 2nd HKGES-GeoSS workshop titled “Overcoming Challenges in Infrastructure Projects” on 19 May 2025 in Hong Kong.

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11. Overseas Technical Visit to GuangXi, 15 – 20 June 2025

A technical visit to GuangXi Province, China, is scheduled for 15 to 20 June 2025. Led by the Chairman Ir Dr SW Lee and Chairman of the Organising Committee Ir Roy Hung, the delegation will comprise 20 participants from the government, consultants and contractors.

For the first time in the history of GD's overseas technical visit, the event this session focuses on engineering projects in relation to infrastructures for harvesting and generating renewable energy. With a fruitful itinerary, the delegation will visit active construction sites of hydropower station, solar farm on hilly terrain and land-based wind turbine facilities. In addition, knowledge exchange activities with universities and professional institutes in GuangXi will also be organized. The visit aims to deepen participants' understanding towards the geotechnical challenges and solutions associated with renewable energy infrastructure projects, which is not common among geotechnical practitioners in Hong Kong.

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Appendix A - Membership Lists of Division Committee, Event Organising Committees and Task Forces**Geotechnical Division Committee**

Ir Dr LEE Siew Wei	<i>Chairman</i>
Ir Dr Gavin TOH Seng Huat	<i>Immediate Past Chairman</i>
Ir HUNG Kin Chung, Roy	<i>Deputy Chairman</i>
Ir YAU Lap Yan, Terence	<i>Honorary Secretary</i>
Ir WONG Wing Lung, Victon	<i>Honorary Treasurer</i>

Ordinary Members

Ir CHAN Wai Keung, Ray	
Ir CHEE Lap Gee, Regis	
Ir Kelvin CHOI	
Ir DOU Huaren, Warren	
Ir LAI Chi Kin, Kenneth	
Ir LAM Kam Ming, Alvin	
Ir LAU Wan Chi, Carmen	
Ir MAK Chi Wai, David	
Ir PHUNG Wing Cheung, Clifford	
Ir TSOI Pui Man, Candy	
Dr WONG Ngai Yuen, Louis	
Ir Dr Clarence CHOI	<i>Young Ordinary Member</i>
Ir FUNG Yat Fan, Dominic	<i>Young Ordinary Member</i>
Ir Derek YU	<i>Young Ordinary Member</i>

Co-opted Members

Ir Angela CHAO	
Ir KAN Ka Wing, Marion	
Ir LAM Yik Chong	

Ex-Officio Members

Ir HO Ying Kit, Tony	<i>Council Member (Division)</i>
Ir Dr LAU Chi Keung	<i>Discipline Representative</i>
Mr NG Yiu Yin, Ray	<i>AMC Representative</i>
Mr YUEN Ho Wai, Ryan	<i>YMC Representative</i>
Ir Dr HO Chi Ming	<i>SSC Representative</i>

Observers

Ir Dr CHEUK Chi Yin, Johnny	
Ir KO Chung Yan, Joanne	
Ir Thomas HUI Hoi Hon	
Ir LEE Ching Yan, Ellen	
Ir Roger LEE Jo Wah	
Ir LEE Tsz Leung, Chris	
Dr LEUNG Kwan, Anthony	
Dr LEUNG Yat Fai, Andy	
Ir LIU Yiting, Abby	

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Ir Ray MUNG Ka Ming
 Ir Maureen NG
 Ir TAM Wing Man, Grace
 Ir Andrew WONG
 Ir Jack YIU

Geotechnical Pioneer

Dominic Fung *Leader*
 Mickey Goh
 Daniel Ho
 Marcus Man
 S W Lee *Advisor*
 Gavin Toh *Advisor*
 Clarence Choi *Advisor*

GD 45th Annual Seminar on 9 May 2025

Warren Dou *Leader*
 Ray Chan
 Angela Chao
 Florence Chu
 Ellen Lee
 Andy Leung
 Abby Liu
 John Wu
 Connie Yam
 Terence Yau

GD Annual Dinner 2025 on 28 February 2025

Alvin Lam *Leader*
 Abby Liu
 Connie Yam
 Dominic Fung
 Kelvin Choi
 Joanne Ko
 Ray Chan

Young Geotechnical Club

Derek Yu *Leader*
 Ellen Lee *Deputy Leader*
 John Wu *General Secretary*
 Gloria Ip *External Secretary*
 Dominic Fung *Treasurer*
 Athena Chan
 Krista Chan

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Ice Cheung	
Saad Faizi	
Daniel Ho	
Hayden Luk	
Marcus Man	
Jerry Ng	
Joseph Tsang	
Connie Yam	
Regis Chee	<i>Advisor</i>
Mickey Goh	<i>Advisor</i>
Tony Ho	<i>Advisor</i>
Alex Leung	<i>Advisor</i>

Overseas Technical Visit to GuangXi, 15 – 20 June 2025

Roy Hung	<i>Leader</i>
Kenneth Lai	
Kelvin Choi	
Gavin Toh	
Warren Dou	

Working Group on Knowledge Management

Angela Chao	<i>Leader</i>
Victon Wong	
Abby Lui	
Gary Kwok	
Grace Tam	

Task Force on Laboratory Videos

Gavin Toh	<i>Leader</i>
Richard Pang	
Philip Chung	
Roy Hung	
Victon Wong	
Regis Chee	
Thomas Tong	
Florence Ko	
Ammar Sohail	
Andrew Wong	
Daniel Pephrahmanu	
Elaine Chan	
Gloria Ip	
Hayden Luk	
Ivan Tsui	
Matthew Poon	
Saad Faizi	
Yumi Chu	

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Task Force on Young Professional Think Deep Programme 2024, Hong Kong

Tony Ho

Leader

Roy Hung

Regis Chee

Grace Tam

Mickey Goh

David Mak

Derek Yu

Victor Wong

Y C Lam

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Appendix B - List of Technical Meetings, Workshops, Seminars

Date	Speaker(s)	Topic
24 Jul 24	Various	Underground Infrastructure Excellence: Safety, Design, and Tunnel Project Insights
5 Aug 24	Various	GeoSS HKGES Workshop
7 Sep 24	Ir. Alvin Lam	e-Workshop on Foundation Engineering – Part I: Prescriptive and Rational methods for Pile Design in Hong Kong
17 Sep 24	Ted Tse	Technical Sharing on Economical Design Approaches for Deep Excavation and Lateral Support (ELS) in Soil with Shallow Bedrock
10 Oct 24	Dr Brian Sheil	Future Underground Construction - Intelligent Sensing Systems
14-18 Oct 24	Various	Young Professionals' Think Deep Programme 2024 (YPTDP)
14 Oct 24	Various	Building Resilient Cities: The Role of Underground Urbanism in Sustainable Development
19 Oct 24	Various	e-Workshop on Foundation Engineering – Part II: Offshore Foundation (e-Class)
30 Oct 24	Ir Peter Ng	Managing Geotechnical Risk in Sydney's Road Tunnel Projects
12 Nov 24	Elvis Wu	Consolidation of Soft Soil Treated by Prefabricated Band Drains with Vacuum Preloading and Heating
25 Nov 24	Kevin Liu	The mechanics of granular materials under saturated and unsaturated conditions
27 Nov 24	Mr. Sui-ping Chow	ICE HKA G&S X HKIE GD YGC X ACEHK YMC Joint Seminar on Management and Cost Saving Initiatives for Large-scale Developments
28 Nov 24	Various	The HKIE x IEM x CIE Tripartite Seminar 2024: Engineering Better City Resilience
30 Nov 24	Ir Terence Yau/ Ir Ted Tse	e-Workshop on Excavation and Lateral Support – Part III: Case Study on ELS Geotechnical Control and Remedial Works
3 Dec 24	Prof. David Petley	CEDD-GEO x AGS(HK) x GSL-HKRG x GSHK-PB x HKGES x HKIE(GD) x IOM3-HK Joint Technical Seminar on The Remarkable Incidence of Global Landslides in 2024 and the Role of Climate Change
4 Dec 24	Eugene Wong (GEO)	Response of piles to ground movements induced by tunnel excavation
11 Dec 24	Dr Liu Kai, Kevin	HKIE (Civil) x HKIE (GD) Joint Seminar on Exploring the Properties of Granular Materials under Varied Saturation Conditions
19 Dec 24	Ir Simon Leung C.M	Advancements in Supervisory Techniques for Tunnel Construction
30 Dec 24	Ir Prof Philip Chung, Ir Prof Richard Pang & Ir Dr Gavin Toh	Soil Testing Video Series - The Sharing Seminar
10-11 Jan 25	Dr Nick Barton	HKIE (GD) x HKU x IOM3 Joint Thematic Course on Rock Mechanics and Rock Engineering
20 Jan 25	Mr. Fumihiko Aikawa	ICE x HKIE (GD) Joint Seminar on Development of Immersed Tube Tunnel technique in Hong Kong

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Date	Speaker(s)	Topic
13 Mar 25	Various	The Fugro Prize - 2024/2025 Presentation Competition
24 Mar 25	Ir Donald Ma	Pitching to Impress
26 Mar 25	Prof. Lidija Zdravković	HKIE GD x PolyU Joint Seminar Geotechnical Engineering for a Sustainable Society - Reprise of the 62nd Rankine Lecture
Apr 25	Various	Top-up Course for TCP T3 on GIFW and Building Works with Significant Geotechnical Content
12 Apr 25	S W Lee Kelvin Peng Chris Tang Alex Chan	e-Workshop on Ground Improvement
26 Apr 25	Ir Gregory Sieders	PolyU x HKIE Materials Division x HKIE GD Joint Seminar Advancements in Soil Nails and Ground Anchors using Glass-fibre Reinforced Polymer (GRP) Tendons for permanent 100-year design life applications
9 May 25	Various	GD Annual Seminar 2024/25

Appendix C - List of Technical Visits

Date	Site	Client	Host	Contractor
15 Jun 2024	Central Kowloon Route – Contract No. HY/2018/08 Central Tunnel	HyD	Arup-Mott MacDonald JV	Bouygues Travaux Publics
13 Jul 2024	Nano and Advanced Materials Institute (NAMI) Laboratories – Geotechnical Material Innovation	NAMI	-	-
3 Aug 2024	Route 11 – Horizontal Directional Coring (HDC)	HyD	ARUP	Driitech
31 Aug 2024	Contract No. DC/2022/05 Sau Nga Road Stormwater Storage Scheme	DSD	Mott Macdonald	KL-CW JV
28 Sep 2024	MTR Kwu Tung Station on East Rail Line (Contract No.: 1601)	MTR	-	Dragages Hong Kong Limited
26 Oct 2024	Joint Cavern Development at Anderson Road Quarry Site	CEDD	AECOM	China State – Alchmex JV
16 Nov 2024	Technical Visit to Trial Pile work under GEO's Contract No. GE/2023/20	CEDD	ARUP	China GeoEngg/ Fugro
18 Jan 2025	DC/2022/03 "Yuen Long Barrage and Nullah Improvement Schemes"	DSD	Binnies	China State – Alchmex JV
22 Feb 2025	Tung Chung West Station and Tunnels (Contract No.: 1201)	MTR	-	Bouygues Dragages JV
22 Feb 2025	Site Formation and Infrastructure Works at Long Bin, Yuen Long – Phase 2	CEDD	ARUP	Build King - Richwell Engineering Joint Venture
15 Mar 2025	Technical Visit to Site Formation and Infrastructure Works for Public Housing Development at Pok Fu Lam South	CEDD	ARUP	China Harbour - China Geo Joint Venture
3 May 2025	Contract No. YL/2022/01 - Site Formation and Infrastructure Works for Yuen Long South First Phase Development - Contract 2	CEDD	AECOM	CREC Joint Venture

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1. Ir Dr Siew Wei Lee will step down from the post of Chairman and become the Immediate Past Chairman.
2. Ir Dr Gavin Toh will retire from the post of Immediate Past Chairman.
3. The following Ordinary Members will retire after the current session:

Ir Carmen LAU Wan Chi	AECOM
Ir David MAK Chi Wai	AECOM
Ir Ray CHAN Wai Keung	Aurecon
Ir Candy TSOI Pui Man Fugro	Fugro
Ir Roy HUNG Kin Chung	GEO
Ir CHEE Lap Gee, Regis	GEO
Dr Louis WONG Ngai Yuen	HKU

4. The members nominated by the outgoing Division Committee to fill the vacancies in Session 2025/2026 are as follows:

Chairman:	Ir Terence Yau	C M Wong	
Ordinary Members:	Ir Ray CHAN Wai Keung	Aurecon	(re-nominated)
	Ir Thomas HUI Hoi Hon	GEO	
	Ir Roy HUNG Kin Chung	GEO	(re-nominated)
	Ir Florence KO Wan Yee	GEO	
	Ir Carmen LAU Wan Chi	AECOM	(re-nominated)
	Ir LAM Yik Chong	Mott MacDonald	
	Ir David MAK Chi Wai	AECOM	(re-nominated)
	Dr Louis WONG Ngai Yuen	HKU	(re-nominated)

No other nomination has been received by the nomination deadline.

5. The following Ordinary Members under the age of 35 will retire after the current session:
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6. The members nominated by the outgoing Division Committee to fill the vacancy for the Ordinary Members under the age of 35 in Session 2024/2025 are as follow:
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7. The following Ordinary Members will continue to serve on the Committee:

Ir Kelvin CHOI Yam Ming	Dragages
Ir Warren DOU Huaren	CRBC(HK)
Ir Kenneth LAI Chi Kin	Housing Department
Ir Alvin LAM Kam Ming	ARUP
Ir Clifford PHUNG Wing Cheung	Tapco Civil Engineering
Ir Victon WONG Wing Lung	ACEOM
Ir Dr Clarence Choi	HKU (Young Ordinary Member)
Ir Dominic FUNG Yat Fan	GEO (Young Ordinary Member)
Ir Derek YU Cheuk Yin	AECOM (Young Ordinary Member)