IAEG NEWSLETTER

Issue No.1, 2025
Website:www.iaeg.info
Electronic Version

COVER STORY

INTERNATIONAL ASSOCIATION FOR **ENGINEERING GEOLOGY** AND THE **ENVIRONMENT**
ASSOCIATION INTERNATIONALE DE **GEOLOGIE DE L'INGENIEUR** ET DE L'**ENVIRONNEMENT**

IAEG's Scientific Support for Myanmar-Thailand Earthquake Response

The International Association for Engineering Geology and the Environment (IAEG) is deeply saddened by the recent earthquake that has impacted communities in Myanmar and Thailand. We extend our heartfelt sympathies to all those affected by this devastating event. The widespread impact of the earthquake, including potential aftershocks, landslides, liquefaction phenomena and infrastructure damage, highlights the urgent need for scientific assessment and disaster response efforts.

As a global organization dedicated to engineering geology and disaster risk reduction, **IAEG stands ready to support the affected countries,** Myanmar and Thailand, as well as neighbouring regions in India, China and Bangladesh, **by providing scientific expertise and technical collaboration.** Our focus will be on:

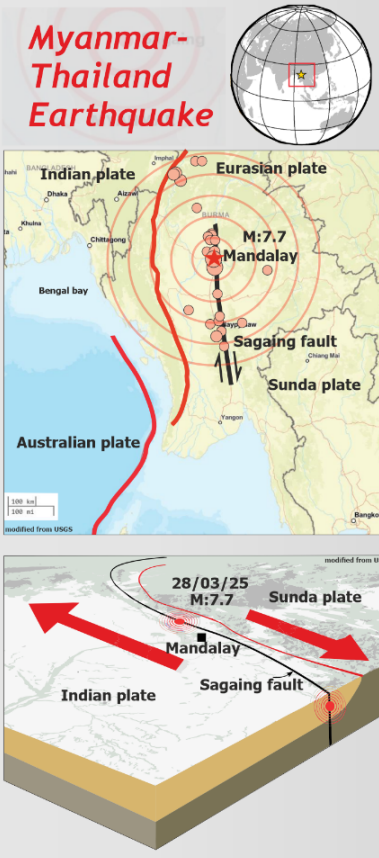
- **Seismotectonic and Geological Analysis**
- **Landslides and Liquefaction Studies**
- **Infrastructure Damage Assessment**
- **Disaster Risk Reduction and Future Preparedness**
- **Other Relevant Engineering Geology Studies**

IAEG aims to bring together experts from our Technical Committees to support this initiative. We welcome collaboration with national geological agencies, universities and disaster response organizations in Myanmar, Thailand, India, China and Bangladesh to enhance scientific understanding and contribute to recovery efforts.

For any scientific collaboration, technical support or information-sharing, please feel free to reach out to us.

Website: **https://iaeg.info/**
Contact Us: **iaeg.aigi@gmail.com**

The International Association for Engineering Geology & the Environment



Provided by IAEG President Vassilis Marinos

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Edited by the IAEG Secretariat, Shaoxing, China

/1.
NEWS OF EXECUTIVE COMMITTEE

Announcement of Dates and Venue of 2025 Executive Committee and Council Meetings

The 2025 Executive Committee meeting is going to take place on September 6th, 2025 and Council meeting on September 7th, 2025 in Windhoek, Namibia during the 4th African Regional Conference. The venue of the two meetings is located in the hotel Windhoek Country Club Resort. IAEG Council members who are planning to attend the meetings may visit the official conference web page https://afrc2025.co.za/ for registration and hotel reservation in advance.

IAEG Free Membership Campaign

IAEG is pleased to announce its Free Membership Campaign aimed at young engineering geologists and students. This campaign shows IAEG's dedication to supporting the next generation of professionals in the field of engineering geology.

To help promote this campaign, IAEG President Vassilis Marinos has created promotional banners in multiple languages. These banners are available for you to share and help spread the word about this great opportunity for young professionals and students to join IAEG for free.

You will find the promotional banner in your preferred language. Please contact your National Group if you have any questions or need more information.

Międzynarodowe Stowarzyszenie Geologii Inżynieryjnej i Środowiska (IAEG)

Masz mniej niż 35 lat i pasjonujesz się geologią inżynierską?

IAEG oferuje BEZPŁATNE ROCZNE CZŁONKOSTWO dla NOWYCH CZŁONKÓW - młodych profesjonalistów, naukowców i studentów!

Zostań członkiem globalnej sieci profesjonalistów i pracowników naukowych IAEG.
Nie przegap wyjątkowej okazji, aby rozwinąć swoją karierę i uzyskać dostęp do konferencji, warsztatów, webinariów, programów wymiany, kursów szkoleniowych oraz szkół letnich IAEG.

Dołącz do IAEG już teraz!
Skontaktuj się ze swoją krajową grupą!
Aby uzyskać więcej informacji, odwiedź stronę www.iaeg.info

L'Association Internationale de Géologie de l'Ingénieur et de l'Environnement (IAEG)

Avez-vous moins de 35 ans et êtes-vous passionnés par la géologie de l'ingénieur?

IAEG offre une ADHÉSION GRATUITE D'UN AN aux NOUVEAUX MEMBRES – jeunes professionnels, chercheurs et étudiants!

Rejoignez le réseau mondial de professionnels et d'universités de l'IAEG.
Ne manquez pas cette opportunité exceptionnelle d'avancer dans votre carrière et d'accéder aux conférences, ateliers, webinaires, programmes d'échange, formations et écoles d'été de l'IAEG.

Adhérez dès maintenant à l'IAEG!
Contactez votre Groupe National/Régional!
Pour plus d'informations, visitez
www.iaeg.info dans la section adhésion.

International Association for Engineering Geology and the Environment (IAEG)

Are you under 35 years old and passionate about engineering geology?

IAEG is offering a FREE ONE YEAR MEMBERSHIP for NEW MEMBERS - young professionals, researchers and students!

Be a member of IAEG global network of professionals & academics.
Don't miss this exceptional opportunity to advance your career and gain access to IAEG conferences, workshops, webinars, exchange programs, training courses and summer schools.

Join IAEG now!
Contact your National/Regional Group!
For more info visit www.iaeg.info in the membership area

国际工程地质与环境协会 (IAEG)

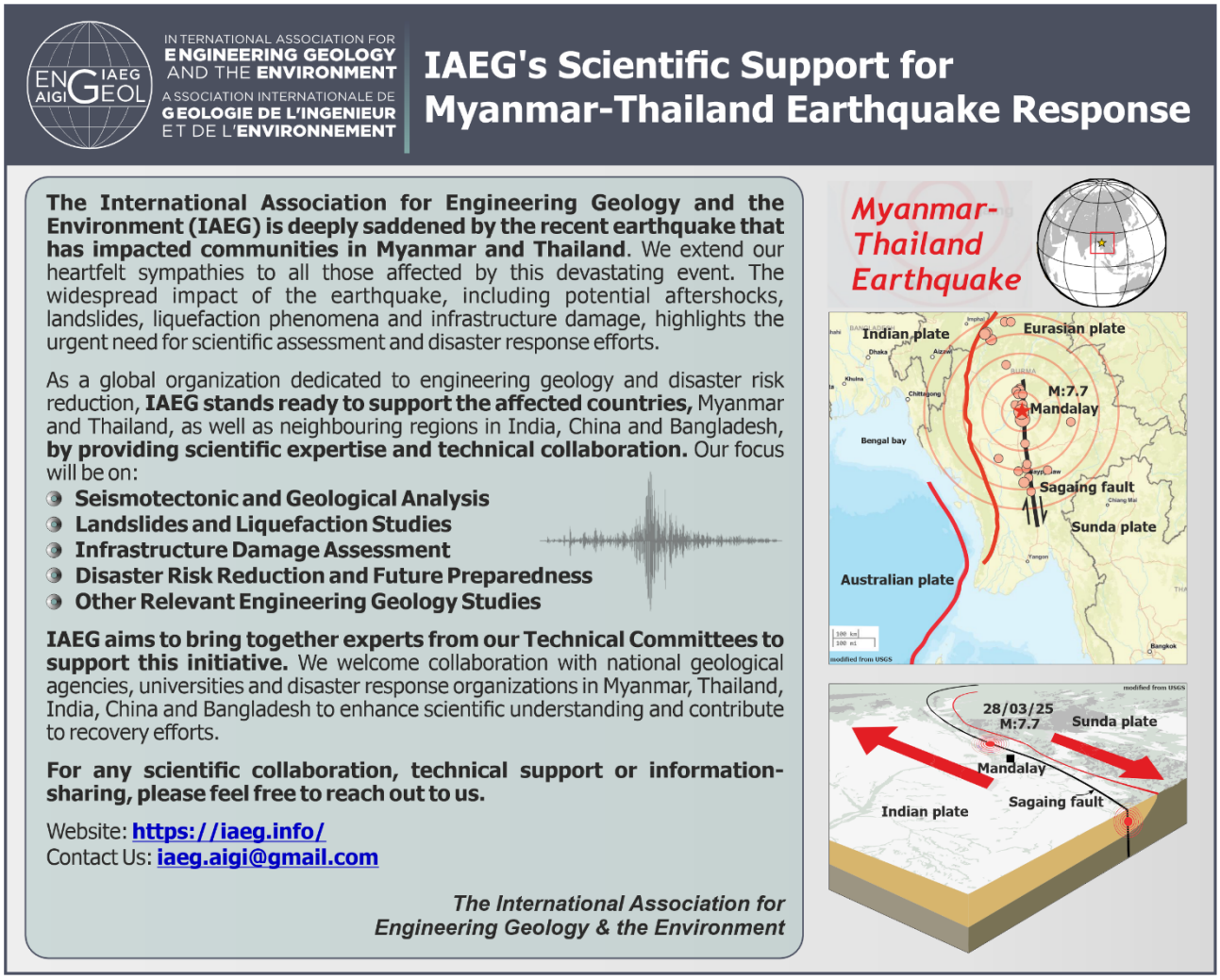
您是否未满35岁并对工程地质学充满热情?

IAEG为新会员——年轻的专业人士、研究人员和学生——提供免费一年的会员资格!

成为**IAEG**全球专业人士和学者网络的一员。
不要错过这个提升职业生涯的绝佳机会，并获取参加**IAEG**会议、研讨会、网络研讨会、交流项目、培训课程和暑期学校的权限。

立即加入IAEG!
请联系您所在国家/地区的团体!
更多信息，请访问www.iaeg.info的会员专区。

IAEG's Scientific Support for Myanmar-Thailand Earthquake Response



Free Access to Selected BOEG Papers in Response to Recent Myanmar and Thailand Earthquake

The International Association for Engineering Geology and the Environment (IAEG) are deeply saddened by the recent earthquake that has affected Myanmar and Thailand, causing significant geological and engineering challenges.

The Editors-in-Chief have selected three BOEG papers that pertain to the field of Engineering Geology in Thailand which are listed below. Making these three papers freely accessible for a period of three months (9 April 2025 to 9 July 2025) could hopefully benefit our community. Unfortunately, the Editors-in-Chief have not been successful in finding any papers published on the topic of Engineering Geology in Myanmar within the BOEG.

https://link.springer.com/article/10.1007/s10064-023-03146-y

Chansorn, R., Chotpantarat, S. & Klongvessa, P. Hydrological model of landslide risk in Huai Nam Phung subbasin, Thailand. Bull Eng Geol Environ 82, 140 (2023).

https://link.springer.com/article/10.1007/s10064-021-02537-3#citeas

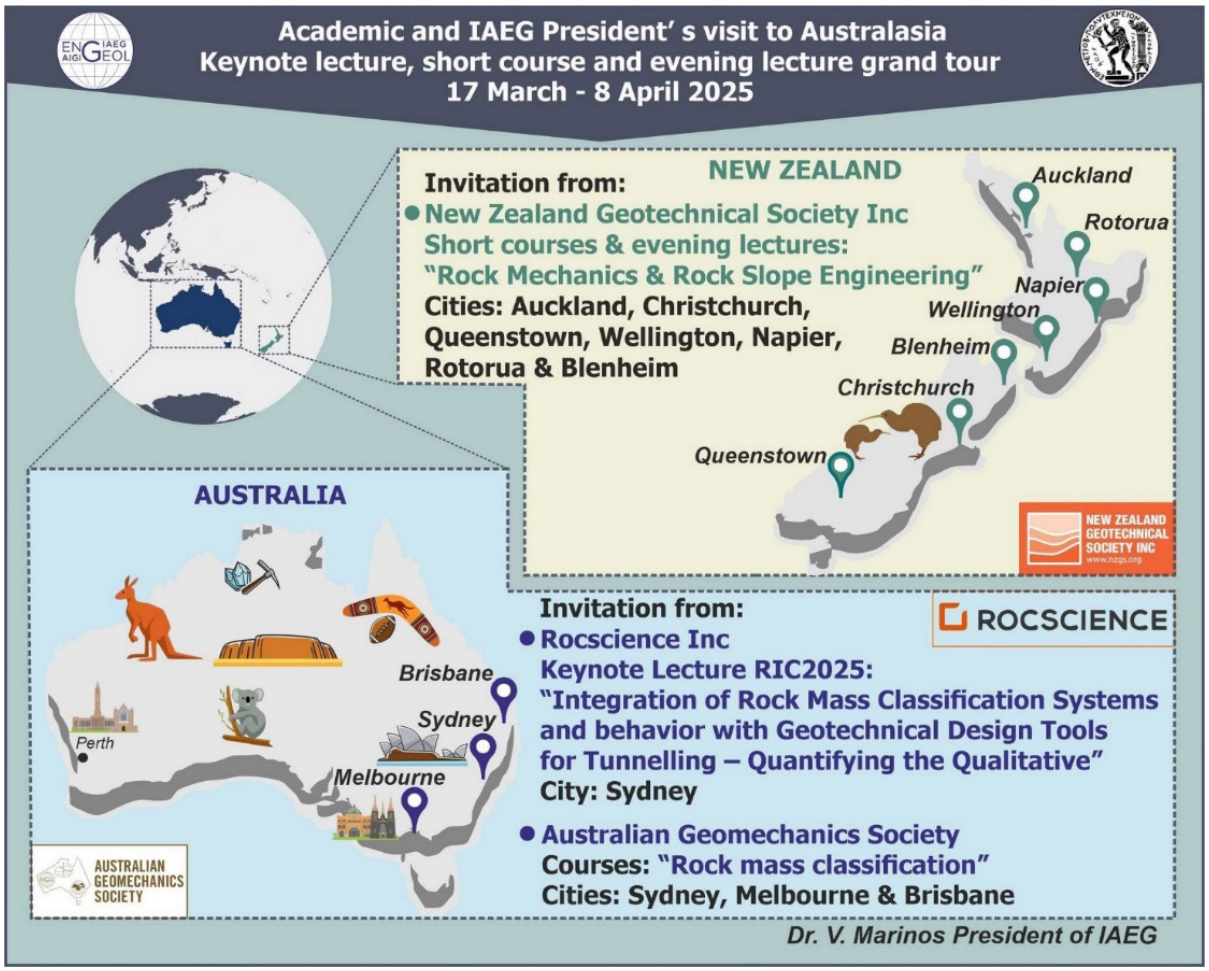
Chaiyaput, S., Sutti, N., Suksawat, T. et al. Electrical resistivity survey for evaluating the

undrained shear strength of soft Bangkok clay at some of the canal-side road investigation sites. Bull Eng Geol Environ 81, 27 (2022).

https://link.springer.com/article/10.1007/s10064-019-01560-9

Likitlersuang, S., Plengsiri, P., Mase, L.Z. et al. Influence of spatial variability of ground on seismic response analysis: a case study of Bangkok subsoils. Bull Eng Geol Environ 79, 39–51 (2020).

IAEG President's Productive Visit to New Zealand and Australia



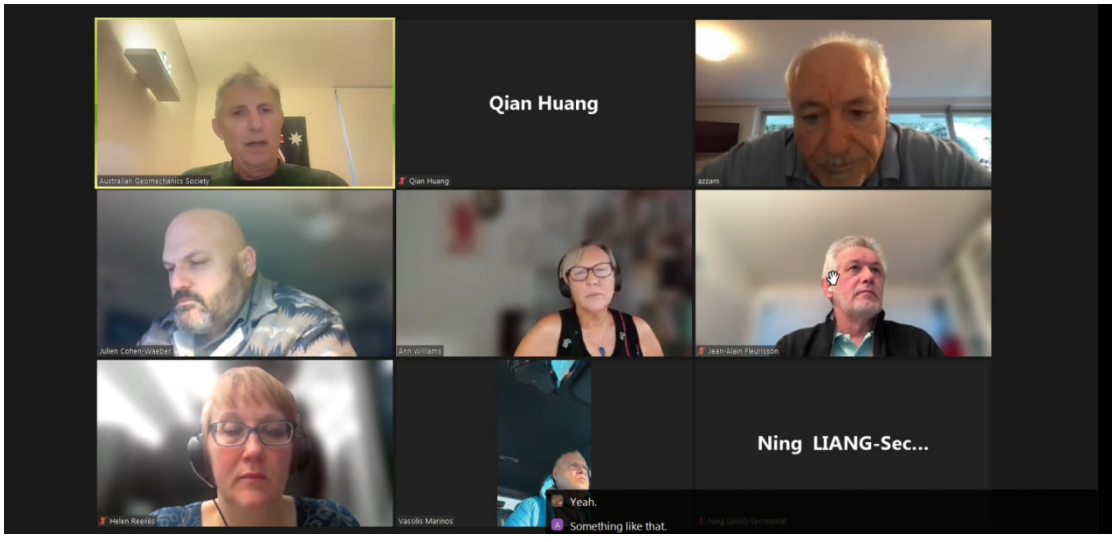
Earlier this year, Vassilis Marinos was invited to deliver courses, lectures, and a keynote address at the Rocscience International Conference (RIC2025), engaging with hundreds of professionals and students passionate about engineering geology, geomechanics, and rock mechanics.

From March 19-30, 2025, Vassilis conducted a 12-day academic tour across New Zealand, delivering six courses and lectures on Rock Mechanics & Rock Slope Engineering (Part 1 of the NZGS Slope Stability Guidelines) in eight cities, interacting with over 150 participants. Vassilis extended his appreciation to the New Zealand Geotechnical Society (NZGS), Ross Roberts (IAEG NZ), Eleni Gkeli (Immediate Past NZGS Chair), and local hosts Romy Ridl, Liam Wotherspoon, Tom Grace, and Black Hoare for their coordination, as well as to Prof. Martin Brook (University of Auckland) for his invitation to lecture.

The program continued in Australia from March 30- April 5, 2025 with three courses on Rock Mass Classification for approximately 100 participants across three cities. Vassilis thanked the Australian Geomechanics Society (AGS), particularly Anthony Bowden (IAEG VP Australasia), John Gibbs (AGS Secretary), Adam Lander (Melbourne), and Sally Roberts-Kelly (Brisbane) for their organizational support.

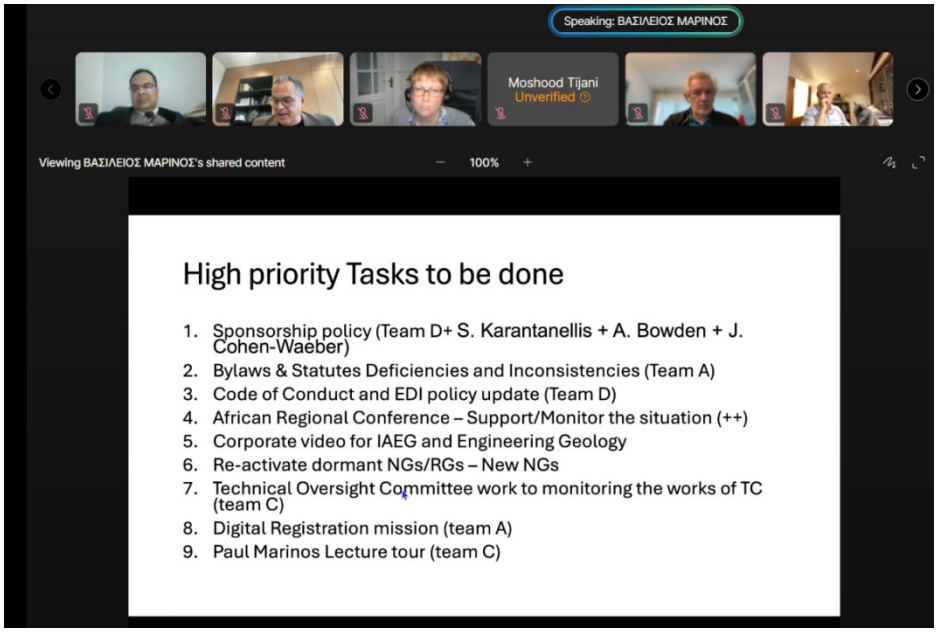
Online Meetings on IAEG Statutes and Bylaws Revision Discussion

The sub-committee responsible for the legal review of IAEG Statutes and Bylaws has organized three online meetings led by Anthony Bowden in February and March. This sub-committee is consisting of Anthony Bowden, Vassilis Marinos, Rafig Azzam, Faquan Wu, Jean-Alain FLEURISSON, Ann WILLIAMS, Julien Waeber and Helen Reeves. The sub-committee members have fully discussed the deficiencies, inconsistencies and other issues being raised. The sub-committee has provided the comments to the lawyer for proceeding with proposed reorganization of the contents of Statutes and Bylaws. A final check on the legal review of IAEG Statutes and Bylaws is expected to be done at the mid-year meeting of IAEG Executive Committee in May this year.



2025 Online Meeting of IAEG Executive Committee

The IAEG Executive Committee held an online meeting on March 11th, 2025, the meeting was chaired by the President Vassilis Marinos. The meeting focused on discussing IAEG's support to FedIGS conference in 2030, the Executive Committee has fully exchanged ideas to make proper schedule of both next IAEG Congress and FedIGS conference so that they will not conflict with each other. At the meeting Vassilis introduced four IAEG sponsorship events in 2025. And the ExCom members have been assigned into four sub-committees with detailed tasks for actions before the mid-year meeting in May to be held in Delft, Netherlands. The four sub-committees shall bring more updates on their progress updates in May.



/2.
OBITUARY

Richard E. Goodman, a UC Berkeley faculty member from 1964 to 1994, passed away at the age of 89 in Anchorage, Alaska. He received his Ph.D. degree in Engineering Science (Geological Engineering) from the University of California, Berkeley where he studied as a Ford Foundation Fellow from 1960 to 1963. He received his B.S. (1955) degree in Geology and M.S. (1958) in Civil Engineering and Economic Geology, both from Cornell University. He served on the faculty of the Department of Civil Engineering at U.C. Berkeley rising from an as Assistant Prof. and Associate Prof. to as Distinguished Prof. of Geological Engineering. From 1994 to present, he has held the position of Emeritus Prof. of Engineering.

Through his research and consulting, Prof. Goodman made seminal contributions in the areas of engineering geology and rock mechanics. He developed an apparatus and method for in-situ measurement of rock properties, also known as the "Goodman Jack". In his pioneering work in identification of failure modes and kinematics of jointed (blocky) rock masses, he developed the base friction apparatus and, later, working with Dr. Gen Hua Shi, the block theory. He was passionate about teaching and he mentored 39 PhD students, most of whom were welcomed as family during their doctoral studies and maintained enduring relationships for decades. He was a prolific author with an impressive list of fundamental and advanced texts, including Methods of Geological Engineering in Discontinuous Rocks (1976); Introduction to Rock Mechanics (1980 and 1989); Block Theory and its Application to Rock Engineering, coauthored with Gen-Hua Shi (1984); and Engineering Geology – Rock in Engineering Construction (1993). He also authored the widely-acclaimed historical book

Karl Terzaghi – The Engineer as an Artist (1999). In all, he has authored or co-authored more than 200 technical papers for journal and conference publications and he was an internationally known consultant, having worked on numerous major rock engineering projects around the world.

Prof. Goodman won numerous awards, including the E.B. Burwell Award from the Geological Society of America (1977); the Basic Research Award from the U.S. National Committee for Rock Mechanics (1984); and the H. Bolton Seed Medal from the American Society of Civil Engineers (ASCE). He was elected to the National Academy of Engineering (NAE) in 1991 and he was named the Rankine Lecturer by the British Geotechnical Society in 1995. The Norwegian Geotechnical Institute named him as their Terzaghi Fellow for 1995/1996. Among his other honors were the 2000 George F. Sowers Memorial Lecture at Georgia Tech, and the 2000

Civil Engineering History and Heritage Award from ASCE.

Closer to the home front, he was a passionate and brilliant musician. He traveled throughout the Bay Area to sing in opera productions, and in 1979 founded the Berkeley Opera Company with the support of his cellist wife Lillian (Sue) and directed it for 13 years. He put on over 30 full stage productions. He performed over 70 major roles in operas for several companies, including roles such as Figaro, Leporello, Falstaff and Rigoletto.

He was an ardent lover of nature and passionate defender of wildlife and natural resources. He also was an extremely quick wit and always had a pun ready for every conversation. He never concerned himself with what other people thought and was never afraid to stand up for what he believed. Family, friends and colleagues remember him as "a force" and celebrate his eternal "boyish joy". He is survived by his beloved wife of over 67 years Sue (Lilian), his daughter Lilly Goodman-Allwright, sons-in laws Michael Allwright and Eric Cohn, and four grandchildren. He was preceded in death by his two daughters Holly Cohn and Paula Goodman and several beloved dogs.

Source: University of California, Berkeley, USA.

/3.
YEG ACTIVITIES

Young Engineering Geologists (YEG) National Group Meeting

The Young Engineering Geologists (YEG) National Group Meeting was a significant event that brought together early-career professionals, researchers, and industry leaders in the field of engineering geology around the world. Held recently, the meeting served as a hub for innovation, collaboration, and professional growth within the IAEG community.

The meeting commenced with a warm welcome from the YEG committee, emphasizing the importance of fostering a global network of engineering geologists. This aligns with the YEG's mission to promote the development of young professionals and their active participation in shaping the future of the discipline.

The meeting provided ample opportunities for networking. Participants engaged in roundtable discussions, where they shared insights and experiences, creating a supportive environment for mentorship and collaboration. These interactions underscored the value of cross-disciplinary approaches in addressing complex engineering geologic challenges.

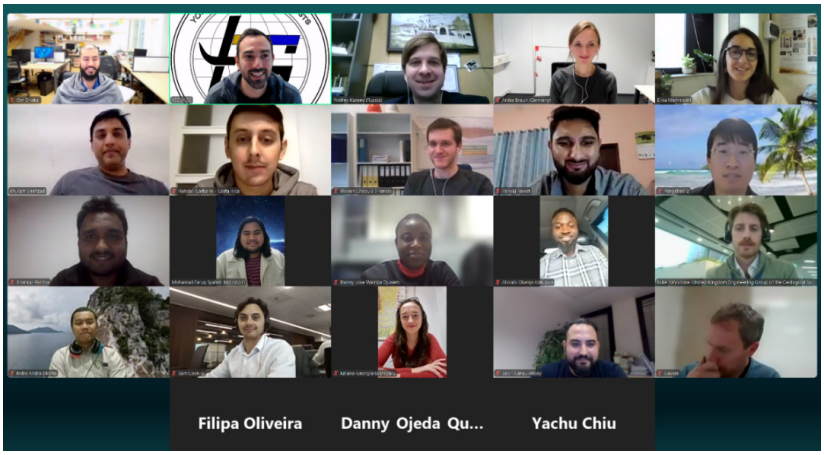
Key Takeaways

- Discussions emphasized the role of engineering geologists in contributing to sustainable development, particularly through natural hazard mitigation and resource management.

- The meeting reinforced the importance of a strong professional network to support early-career geologists in navigating challenges and advancing their careers.

The success of this year's YEG National Group Meeting has set a high standard for future events. The YEG board expressed their gratitude to all participants for their contributions, noting that the event's outcomes will inspire further collaboration and innovation within the engineering geology community. As the YEG continues to grow, it remains committed to its vision of empowering young professionals and fostering a culture of excellence and inclusivity in engineering geology. The next meeting promises to build on this momentum, offering even more opportunities for learning and professional development.

Stay tuned for updates and upcoming events!



YEG Events at the Upcoming 15th Asian Regional Conference of IAEG

YEG Announces Travel Grant Winners for IAEG Summer School 2025

The YEG is pleased to announce the recipients of its Travel Grant for the upcoming IAEG Summer School 2025 in Aosta, Italy. After careful review of applications, the following candidates have been selected:

YEG Article

Why I Love Being an Engineering Geologist

Awonge Precious Adaeze

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preciousawonge@gmail.com

1.Lighting the spark

To start with, I'll have to admit that Engineering Geology wasn't exactly my first love. When we started the course in our third year, I had a few misconceptions that made me apprehensive. Firstly, I associated "engineering" with endless math problems, often making me nervous. Also, the horror stories my seniors told about the course's difficulty and strict lecturers were quite scary and kept me restless. However, as it turned out, those fears were entirely baseless. Instead, I discovered a passion for Engineering

Geology that took me from fearful to fascinated. I eventually went on to pursue a career in the field — a journey that so far, has been nothing short of amazing. My industrial training in the construction industry unlocked the secrets of Engineering Geology, kindling a passion that has burned brighter with each new discovery.

I gradually realized the importance of engineering geological knowledge and the expertise of an engineering geologist in the construction industry, and my discoveries led me to liken engineering geologists to the geological equivalent of medical doctors, diagnosing and providing treatment plans for the Earth's "health" conditions. The understanding and interventions brought by the Engineering Geologist save lives, protect infrastructure, ensure sustainable development and resource management, mitigate environmental impact, enable safe waste disposal, manage water resources, and even facilitate renewable energy production.

Figure 1 Engineering geologists at work on site
(photo retrieved from https://www.geologypage.com/2019/04/engineering-geology.html)

I became intrigued by how effectively engineering geologists could apply the knowledge of geology to engineering studies, to ensure that geological factors like rock and soil type, groundwater, slope stability, seismicity, volcanic activity, subsidence, landslides and rock falls, soil liquefaction, and environmental factors, are accounted for in the planning for and design and construction of projects.

Engineering geologists go beyond mere identification of geological hazards; they also develop and implement comprehensive strategies to counter potential issues that may arise during construction, providing actionable recommendations to curtail risks, minimize environmental impact, and ensure the long-term viability of projects.

For example, before carrying out construction for a proposed residential bungalow, we carried out a desk based study and developed a conceptual model, undertook site investigations including boreholes and geophysical surveys and determined soil properties before a suitable foundation was proposed. Groundwater monitoring and sampling are also undertaken to check the depth to groundwater and identify potential contamination sources and advise on a groundwater management plan to prevent pollution. The site's ecological sensitivity is also assessed to check the possibility of any natural hazards such as coastal erosion and flooding, and safety measures employed, like the use of environmentally friendly construction materials and implementing a stormwater management system.

As an Engineering Geology intern, I also get to carryout analysis on soil samples collected during

site investigation at the Geotechnical laboratory, and this is usually my favorite part of the job. At the laboratory, soil samples are subjected to various tests including Atterberg's limits test, particle size distribution test, compaction tests and others. We do this so that we can properly classify the soil and determine its engineering properties such as the shear strength, moisture content, density, etc.

İn Nigeria, the Engineering Geology profession has been gaining recognition and is now an integral part of the construction industry. Engineering Geologists carry out detailed in-situ soil investigation before the construction of any road, bridge, building, dam, quarry or mine. Tests like the Geotechnical borehole drilling to obtain soil samples or rock cores and Standard Penetration Tests are widely used. They usually follow designated ASTM and FMWH (Federal Ministry of Works and Housing) standards.

Figure 2 Dynamic Cone Penetrometer test on a proposed site for a bungalow at Ebonyi state, Nigeria by Mapref Geotechnical Ltd.

Another reason why I love Engineering Geology is that I get to travel and explore different site locations to perform various tasks including geological mapping, site investigation, sampling, groundwater monitoring, and construction supervision.

Figure 3 Author at Ebenebe sandstone quarry site, Anambra, southeastern Nigeria.

2.Making The Possible Safe

An engineering geologist once said, "The engineer's responsibility is to make the impossible possible, and the geologist's responsibility is to make the possible safe". Yes, that's what we do, and I love what we do!

Author Responsibility Disclaimer

During the preparation of this work, the author did not utilize ChatGPT or any similar software to generate content and took full responsibility for the publication's content. Additionally, the author is responsible for referencing all figures, tables, and information shared in this article.

About the Author

Miss Adaeze Precious is currently an Engineering Geology intern at Mapref Geotechnical Limited, Nigeria with about 2 years of experience in Engineering Geology and Geotech. She holds a Bachelors degree in Geological Sciences and has written articles related to Engineering Geology and the environment, some published on Medium and some still unpublished. Miss Adaeze Precious is passionate about Engineering

Geology, environmental conservation and well being, and climate change and is committed to developing the requisite skills and gaining relevant experience to advance in the field of Engineering Geology.

Landslide-damaged infrastructure at Lesser Himalayas: An engineering geological assessment of Lohar Gali Landslide in the Muzaffarabad, AJK, Pakistan

Khuram Shehzad

Young Engineering Geologist (YEG) / National Group Representative of Association for Engineering Geology, Pakistan (AEGP)
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1. Preliminary information on the landslide

Like other Asian countries, Pakistan continues to face numerous natural and human-made threats that endanger the health and safety of its citizens. In particular, the changing climate is shaping the landscape while geological hazards around Muzaffarabad (Kashmir) vary in severity, with the level of vulnerability depending on the type of hazard and potential. Many researchers have revealed the vulnerability to landslides and proposed different models to predict mass movements to reduce potential damages (Pradhan and Siddique 2019).

Engineering geological conditions of the Lohar Gali Landslide (Muzaffarabad) are varied and require a thorough study of geohazards nearby. Hence, this article aims to investigate and analyze geohazards-prone areas and assess their vulnerability, investigate slope failures, identify the triggering mechanism of layered rocks, analyze surface image geometrical configurations, and evaluate the engineering geological condition of slopes using field operations and remote sensing mapping (ArcGIS) techniques. The initial findings indicate that the foliated Hazara Formation, being easily collapsed, is particularly susceptible to the geological/geomorphological conditions that triggered the Lohar Gali landslide. Landslide hazards are destructive phenomena that can cause massive property damage, loss of life, disturbance of social and economic norms, and also harmful environmental impacts. These hazards can be characterized by factors such as location, frequency, intensity, and possibility of occurrence (Becker et al. 2022; Ward et al. 2020; Paul 2020; Zhao et al. 2023). According to Becker et al. (2022), Lahusen et al. (2020), and Zhang et al. (2019), landsliding occurs due to various climatic, geomorphological and geological reasons, such as climate change, heavy rainfall, rapid glacier melting and earthquakes. Additionally other multiple factors contribute such as topography of the area, soil and rock types, fractures and bedding planes, and moisture content.

Landslide risk differs from landslide hazard as it depends on the presence of vulnerable

elements. While landslide hazard relates to natural environmental characteristics, landslide risk focuses on components that landslides could affect, including the population, built environment (structures, infrastructure, and properties), natural environment and its ecological services, and economic factors (Guzzetti 2000; Rossi et al. 2019; Salvati et al. 2010; Strouth and McDougall 2021; Strouth and McDougall 2022).

Additionally, Smith et al. (1992) divided landslide risk into two parts: direct impact and indirect impact. He defined direct impacts as loss of life, injuries, and costs of building or house reconstruction and indirect impacts as business losses reduced income, and illness. The risk of landslides increases in the spring time as melting glaciers lead to higher runoff which is a situation worsened by climate change. Landslide assessment predicts where and when landslides are likely to occur, how quickly they might develop, and the potential scale of slope failure (Guzzetti et al., 1999). Risk is defined as the expected probability and severity of loss due to slope failure or landslide (Varnes et al., 1984). It is important to study natural factors such as geology, steep terrain, erosion caused by river water flow, unstable rock conditions or loose soil mass, excessive rainfall, and seismic events that play vital roles in slope instabilities (Pathak and Nilsen, 2004).

In 2014, the Lohar landslide displaced a huge mass of 618 meters in length and 318 meters in width, depositing a significant volume of debris that, if remobilized could block infrastructure (roads, water supply) for extended periods as well as posing a potential hazard to buildings, houses, and downstream areas. Geographically, the Lohar Gali landslide is located along the main highway connecting Muzaffarabad to Mansehra (coordinates 34°20'36.39" N and 73°26'21.17" E). This article focuses on the geohazard assessment of the Lohar Gali Landslide and its potential impacts on infrastructure, and also ongoing risk to the village above and communities along the Neelam River floodplain below. This particular aspect has not yet been thoroughly investigated in the landslide-prone district of Muzaffarabad, Pakistan. This landslide has been a site of multiple events over the past four months (late 2024) significantly causing the tragic loss of many lives.

The region including Muzaffarabad, is tectonically active, contributing to landslides like the one in Lohar Gali triggered by movement on two active fault lines - branches of the Muzaffarabad and Jhelum faults. A large volume of debris material quickly flowed from the roadside to the river bed. Ongoing movement is observable as slopewash and minor debris together with occasional slumping events on the adjacent marginally stable slopes (Figure 1). The loss of roads and resulting traffic congestion have caused significant financial losses and transportation challenges. During heavy rainfall, the Public Works Department performs temporary repairs, but a permanent solution remains elusive. Additionally, the Lohar Gali landslide, considered an old slide, is believed to have originated in the mid-1980s, with risk of further movement increasing after the 2005 earthquake. The Lohar Gali Landslide is complex and consists of old landslide debris, colluvium, and underlying bedrock. The steeply dipping slope is comprised of highly sheared slates, phyllites and shales which formed around 545 million years ago (Late Precambrian). The shales and phyllites have a fine-grained texture with color ranging from greyish-green to blackish. The upper part of the escarpment slope is adjacent to the main highway and consists of overburden and overhanging boulders. Furthermore, the escarpment comprises colluvium and shales that dip downward at an inclination of 60° to 70°. These rocks have been weakened over time due to earthquakes and repetitive rainfall-induced slope failures, as well as undercutting by the river at the toe of the slope.

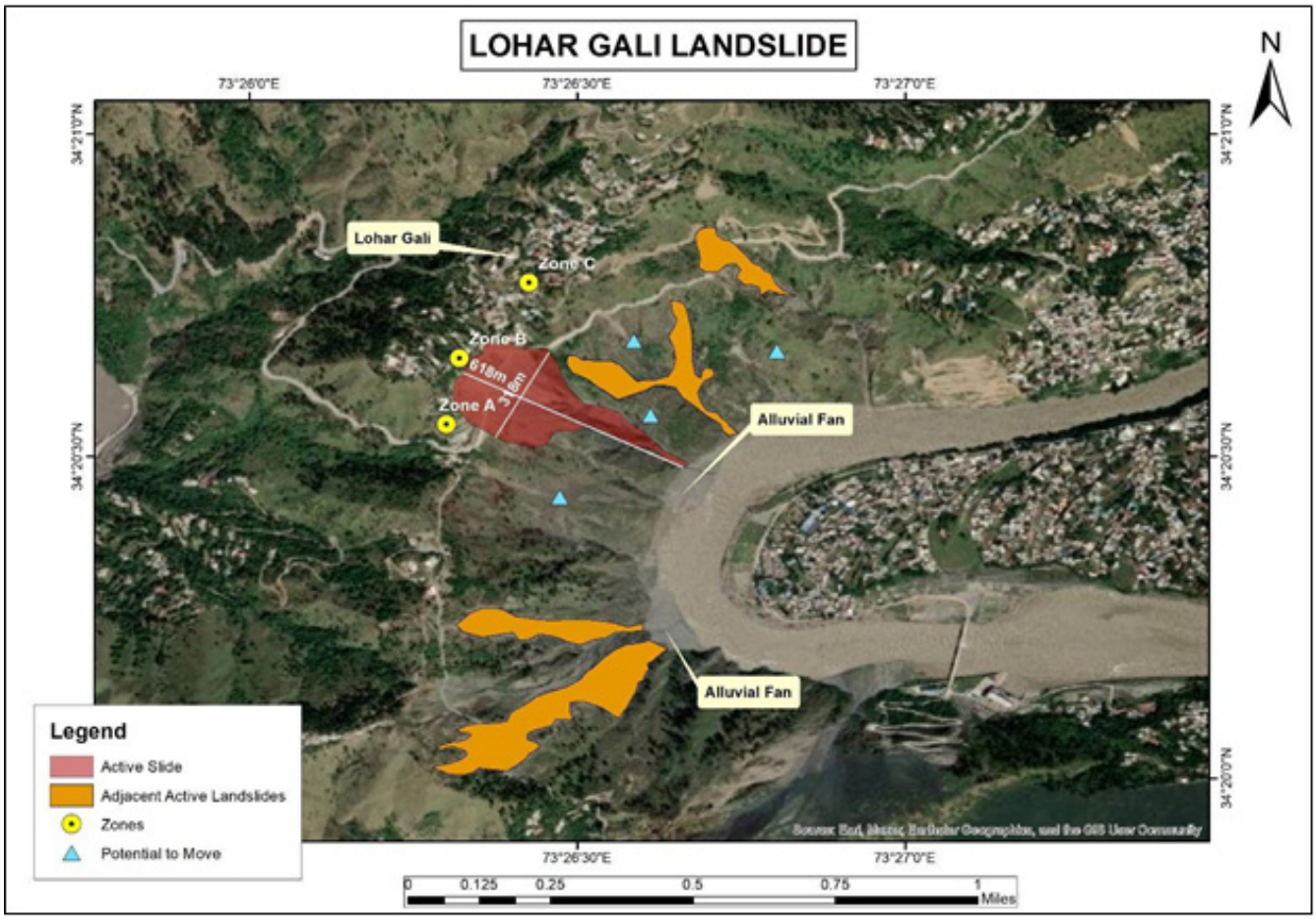

Figure 1: The above map of Lohar Gali Slope failure shows geomorphological features illustrations including the main road structures and flow direction into the Jhelum river below (Source:ArcGIS).

Evaluating landslide risks is crucial in Engineering Geology, particularly along transportation routes. Therefore, a thorough analysis of factors such as slope height and angle, human activities, dynamic loads (e.g., earthquakes), meteorological events (e.g., rainfall or snowmelt and impacts on river flow and course), and operational activities is essential during the planning and design stages.

Field studies have revealed a persistent movement in the landslide body of up to 3 m at the crown of the slide, accompanied by circular failure characteristics. Additionally, the study shows that the rocks in this area are fragile and prone to fracturing. At depths ranging from 12 to 55 m below the surface, major cracks have been detected with the presence of water. Field studies have shown that human activities at the top of the slide exacerbate the risk of further failure. Additionally, the slip surface has been identified in several sections of the landslide, at depths ranging from 10 to 30 m above which the upper soil layer is shifting.

In this context, the current study has categorized this landslide into three distinct zones. The initial zone (a) extends from the western bank of the Jhelum River to the main highway, characterized by steep terrain and drainage systems that channel materials into the river during periods of heavy rainfall. The second zone, situated above the highway, presents significant hazards, as rapid rock movement and sliding are intensified by the erosion of the road maintenance foundation. The third zone (c) includes Lohar Street, where residential structures are subsiding. Some have already collapsed, while others remain at risk (Figure 2). Contributing to the landslide are sewage, household water, and a drain that accelerates the sliding process.

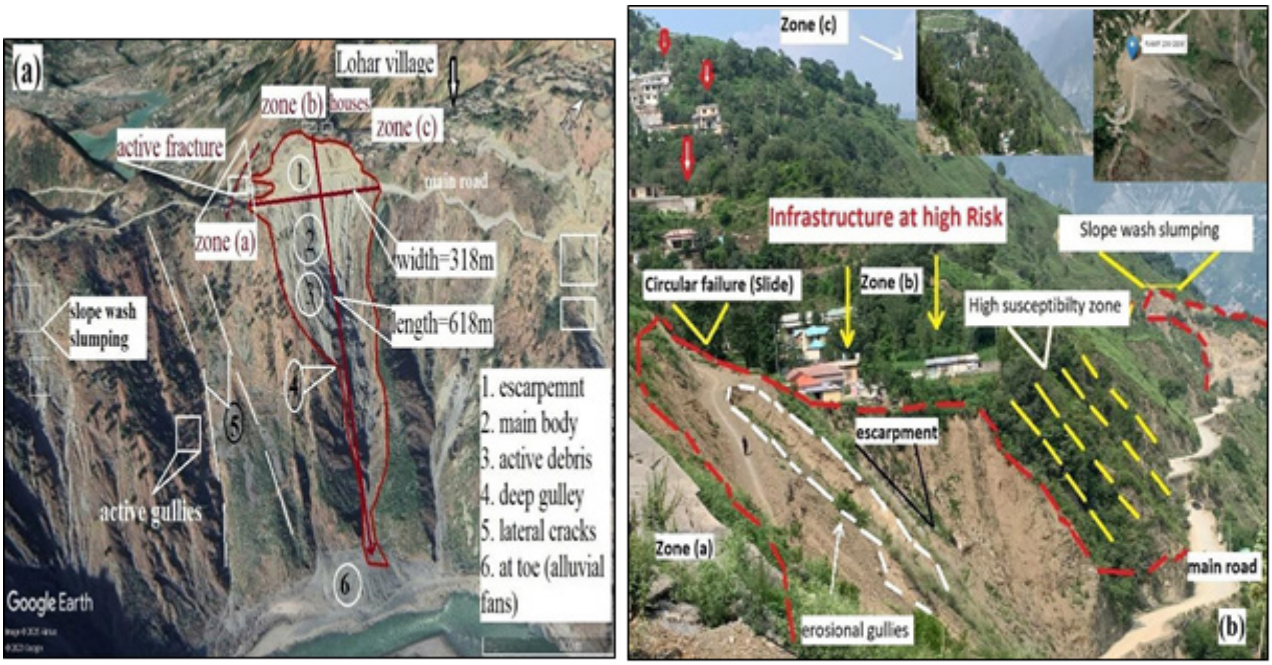

Figure 2: The above Google Earth picture (a) shows the aerial view of western section features of Lohar Gali slope; (b) shows the circular failure steeply dipping strata, escarpment slope adjacent to main highway with striations of sliding over blocks, infrastructure at high risk with risk zonation (a,b,c).

2. Discussion and Conclusion

Studying the Lohar Gali Landslide requires development of data supported engineering geological models (geomorphological, hydrological and environmental and anthropogenic) on which to base pragmatic and cost-effective slope design. In the study area, the strata consist of highly imbricated layers of slates, phyllites, and shales with a steep slope of 60° to 70°. These foliated rocks are more susceptible to climate impacts, particularly during monsoon seasons. The central section of the slide has been deepened and enlarged by parallel gullies that the natural drainage pattern has facilitated. With the help of geotechnical instrumentation, further investigation will be conducted to identify the causes.

The article also suggested instrumentation for monitoring and guiding mitigation of landslides. Geotechnical instrumentation will be crucial for monitoring slope behavior during and after operations. Several recommendations are proposed to address the issue: First, the affected road should be temporarily closed to prevent potential loss of life and property. Second, an alternative route should be identified to allow transportation to continue. The affected population should be evacuated to a safe area. Excavation at the toe should be strictly prohibited, and proper drainage systems should be installed at the crown and other critical areas to manage both surface and groundwater flow. The study conclusions will give engineering geologists, highway engineers, and geomorphology experts important information about Lohar Gali slope failure and efficient landslide risk management. Future research should include geotechnical instruments to monitor ongoing movement, and an Early Warning System should be implemented to provide timely alerts and improve preparedness.

Acknowledgment

I am grateful to IAEG-YEG for providing me with the opportunity to submit an article. Additionally, I would like to express my appreciation to Association for Engineering Geology, Pakistan (AEGP) for selecting me as the Young Engineering Geologist representative from Pakistan.

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Author Responsibility Disclaimer

During the preparation of this work, the author did not utilize ChatGPT or any similar software to generate content but rather to enhance the language and readability. Following the use of this tool, the author reviewed and edited the content as needed and took full responsibility for the publication's content. Additionally, the author is responsible for referencing all figures, tables, and information shared in this article.

/4.
WEG ACTIVITIES

WEG Events at the Upcoming 15th Asian Regional Conference of IAEG

/5.
ANNOUNCEMENT

Appointment Letter of TOC Chair

The IAEG Council has approved the proposal of appointing the Ranjan Kumar Dahal as the chair of Technical Oversight Committee (TOC) in charge of Commissions activities. The appointment is valid from January 1st, 2025 and Ranjan Kumar Dahal will be responsible for monitoring the Commissions works.

V.Marinos

President
Vassilis Marinos

Faquan Wu

Secretary General
Faquan Wu

December 30th, 2024

/6.
NEWS OF NATIONAL / REGIONAL GROUPS

BANGLADESH

In April, 2025, IAEG Bangladesh National Group in association with Department of Geological Sciences, Jahangirnagar University Bangladesh organized a scientific event at JU. Prof. Dr. Ahad Chowdhury, Environmental Protection Agency Expert (EPA), Kentucky, U.S.A. and Adjunct Faculty, Jefferson College, Kentucky USA presented a technical talk at JU titled "Environmental Compliance, Remediation, Restoration & Sustainable Management of Hazardous Chemical Pollution from Industries". This scientific meeting was attended by Geoscientists, Geology Faculties, & YEG Student members. Participants including our IAEG Bangladesh National Group Members, students & professionals were highly delighted with his talk and discussed the importance EPA and Its implementation limitations at policy level. Some recommendations are suggested. Thanks to all the invited speakers for accepting our invitation. Departmental Chair Prof. Hossain Md Sayem, Prof. Dr. Qumrul Hasan, Supernumerary Professor of DU participated in the discussions. Prof. Dr. ATM Shakhawat Hossain, President IAEG Bangladesh National Group expressed thanks to the Honorable speaker for excepting Bangladesh National Group's invitation and visiting JU.

IAEG_BNG Talk by Prof. Dr. Ahad Chowdhury, EPA expert, Kentucky USA at JU

IAEG_BNG ARC 2025 Campaign

ARC campaign was started in 2024 from GSB and followed by Jamalpur University of Science and Technology, Barishal University and Daffodil International invited all to submit abstracts and join the event at Kathmandu, Nepal. BNG_YEG.WEG Members continuing the ARC 2025 campaign for successful completion of the ARC 2025 and all field trips in Nepal and Bangladesh.

ARC Campaign photos at GSB, Jamalpur University, Barishal and Daffodil International University

IAEG Bangladesh National Group President invited by GSB to Chair one scientific and technical session in the 2nd & 3rd National Seminar "Geology for the Sustainable Development of Bangladesh". In this session speakers tried to focus various aspects of Engineering geology from theory to practice, hazards and urban development.

Japan & European Expert Association of Climate Change in association with Kagawa University, Japan also invited 3 (three) IAEG Bangladesh National Group members to join an ASIA PEX event related with the "Asian monsoon (Climate)" at the Hokkaido University. Japan. Three IAEG Bangladesh National group members from Jahangirnagar University presented three scientific talks related with "Monsoon Rainfall

and Climate Variability in the South Eastern Folded part of Bangladesh" Two IAEG Young members and one BNG member from the Geological Survey of Bangladesh recently joined the Landslide-related summer program in Switzerland.

The Bangladesh National Group has started IAEG_ARC 2025 campaign from the "Geological Survey of Bangladesh". Many organizations have expressed their interests to join this forthcoming IAEG ARC 2025 event in Bangladesh. ARC 2025 online registration will be started soon. More than 300 National and international participants are expected to join this ARC 2025 event. Inviting all IAEG members to submit your abstract to make this Asian event successful.

Two YEG_JU student members recently awarded RA (Research Assistanships) from USA & Australia. Mr. Tanmoy Dutta, YEG_JU member now continuing his PhD (Doctoral Research on Landslide Hazards) from the Department of Civil & Environment Engineering, the University of Vermont, U.S.A. Miss Purba Anindita Khan another women member of YEG has also been awarded with RAship to continue her PhD (Doctoral Research) related with Mine hazards at the Department of Environment Engineering, RMIT (Royal Melbourne Institute of Technology), Australia. Congratulations to both of them from the IAEG_BNG family.

Tanmoy Dutta

Purba Anindita Khan

BRAZIL

ABGE Successfully Hosts IAEG Event in Brazil

The Brazilian National Group of IAEG (ABGE) organized a productive two-day event. The event included technical lectures, discussions, and field visits. IAEG President Vassilis Marinos joined the activities and praised Brazil's contributions to engineering geology.

Participants visited the São Paulo Metro construction site. They observed TBM operations and geotechnical solutions. Experts presented ABGE's work in geohazard management and sustainable infrastructure. The event also featured a tour of IPT's research laboratories.

Vassilis Marinos expressed special appreciation to ABGE's leadership team, including Erik Wunder, Francisco de Jorge, and Maria Heloisa Frascá, while also commending ABGE JOVEM members for their innovative initiatives. The event strengthened international cooperation in engineering geology.

CANADA

Engineering Geology and Geological Engineering Division of the Canadian Geotechnical Society (EG & GE Div) Update *By: Nicholas Vlachopoulos, IAEG Canadian Representative*

Introducing the New EG & GE Div Executive Team

The Engineering Geology and Geological Engineering Division (EG & GE Div) of the Canadian Geotechnical Society (CGS) is pleased to introduce its current executive team that started its mandate on 01 Jan 2025. This dynamic group of professionals brings a wealth of experience in engineering geology and geological engineering, representing academia, industry, and consulting firms across Canada. The Engineering Geology and Geological Engineering Division (EG & GE) is led by a dedicated team of professionals from across Canada. The current Chair is **Nicholas Vlachopoulos** from the Royal Military College of Canada in Kingston, Ontario. Serving as Past Chair is Andrew Peach of Hatch Ltd., based in St. John's, Newfoundland. **Renato Macciotta**, from the University of Alberta in Edmonton, Alberta, holds the position of Vice Chair, while **Lucie Kijak** of ARUP in Toronto, Ontario, serves as Secretary. The division also includes three Members-at-Large: **Stephen Butt** (also past Chair) from Memorial University in St. John's, Newfoundland; **Eliane Cabot** (also past Secretary) of BBA in Toronto, Ontario; and **David Wood** of D.F. Wood Consulting in Sudbury, Ontario. This diverse and experienced executive team works collaboratively to advance the field of engineering geology and geological engineering in Canada.

Engineering Geology and Geological Engineering Division Meeting (along with Rock Mechanics Division members) of the CGS at the Annual General Meeting at GeoMontreal in Sept 2024.

The EG & GE Division remains committed to fostering collaboration among professionals in the field and advancing the understanding of engineering geology and geological engineering across Canada and to work with our relevant international learned societies such as the International Association for Engineering Geology and the Environment (IAEG).

Division Name Change: Aligning with International and National Contexts

The division recently underwent a significant transformation, changing its name from the "Geological Engineering Division" to the "Engineering Geology and Geological Engineering Division (EG & GE) Div." This change was the culmination of extensive discussions and reflects the evolving landscape of geotechnical and geological sciences in Canada and beyond.

The rationale behind this decision stems from years of discussion within the division, making it clear that a definitive action was necessary. The inclusion of "Engineering Geology" in the division's name aligns it with international organizations such as the International Association for Engineering Geology and the Environment (IAEG), ensuring consistency on a global scale. While "Engineering Geology" is widely recognized internationally, all formal university programs in Canada focus on "Geological Engineering" rather than "Engineering Geology." To promote inclusivity and clarity, both terms were incorporated into the division's name. This change was officially voted into effect during the 2024 Annual General Meeting (AGM) held at the GeoMontreal Conference in Montreal, Quebec, in September 2024.

Defining Engineering Geology: A Collaborative Effort

One of the division's major initiatives has been the development of an official definition of "Engineering Geology." Spearheaded by the Immediate Past Chair **Andrew Peach**, the definition seeks to provide clarity and consistency for professionals, regulatory bodies, and academia. The final definition reads as follows:

Engineering geology is the application of knowledge of the earth's materials, earth-forming processes, and geotechnique to engineering practice. The principal objective of engineering geology is to ensure that the geological and geotechnical factors affecting engineering works and geological hazards are recognized and provided for to safeguard life and public welfare, infrastructure, and the environment.

Engineering geologists have specialized knowledge in geological sciences and the principles and methods of engineering analysis acquired through education and professional experience. Engineering geologists are qualified to apply such knowledge, skill, and judgment to a wide variety of civil and mining works, and the prevention and remediation of geological hazards. They complete geological and geotechnical studies, inspections, and analyses, and provide recommendations and geological design associated with natural and built environments. They also develop measures to prevent, mitigate, and remediate geological hazards. Engineering geologists are critical to and should be considered key members in the development of the conceptual ground model for a given site.

("Geotechnique" refers to the application of scientific knowledge and methods involving soil and rock mechanics, hydrogeology, structural geology, geomorphology, seismology, and other subdisciplines of geoscience as applied to the solution of geological, engineering, and environmental problems.)

This definition was crafted with input from various professional organizations across Canada and internationally. The feedback process included outreach to the provincial and territorial bodies responsible for the regulation of geoscience in Canada, including APEGNB, APEGMB, PGO, EGBC, NAPEG, APEGS, APEGA, APGNS, L'OGQ, and PEGNL, Engagement and feedback varied across these organizations. Food for thought for others within the IAEG.

Looking Ahead

The Engineering Geology and Geological Engineering Division looks forward to collaborating with CGS members and the international engineering geology community, including the IAEG. Through continued engagement, research, and knowledge sharing, we aim to keep the division vibrant, relevant, and impactful in advancing engineering geology and geological engineering in Canada. All CGS members are encouraged to engage with our division and contribute to its ongoing initiatives and discussions. If you have any topics involving geological engineering or engineering geology, feel free to reach out to one of our executive members. Our contact information is on the CGS Website: https://www.cgs.ca/division_engineering_geology.php. We are always seeking new executive members and encourage members to consider making this division one of their first or second choices within CGS. More initiatives will be the focus of future articles – stay tuned!

CHINA

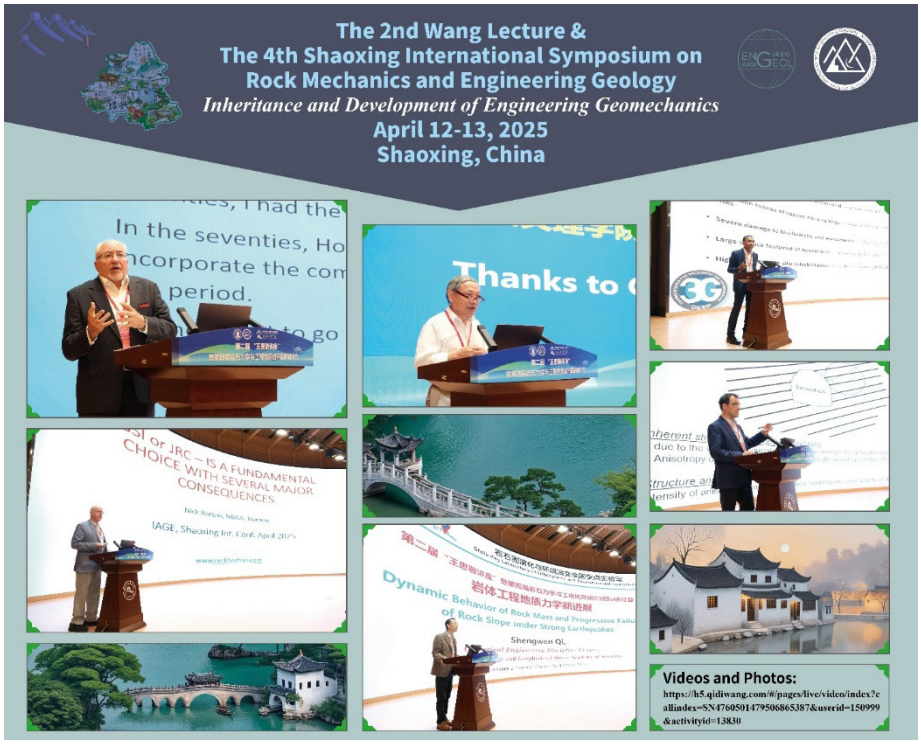
The 2nd Wang Lecture and the 4th Shaoxing International Symposium on Rock Mechanics and Engineering Geology Successfully Held in Shaoxing

The 2nd Wang Sijing Lecture and 4th Shaoxing International Symposium on Rock Mechanics and Engineering Geology were successfully held at Shaoxing University, China from April 12-13, 2025. The event celebrated the outstanding contributions of Prof. Wang Sijing, former President of IAEG and recipient of the prestigious Hans Cloos Medal. Over 500 participants attended in person, with an additional 58,000 joining virtually.

The opening ceremony featured a special video titled Wang Sijing and Engineering Geomechanics, which reviewed the exemplary life of Academician Wang Sijing. Prof. Wu Faquan, Secretary General of the IAEG and Chairman of the IAEG China National Group, delivered a keynote report titled Wang Sijing and Engineering Geomechanics. The report systematically introduced Academician Wang's unique methodological approach to engineering geomechanics, his synthesis of comprehensive theories in the field, and his leadership in bringing Chinese engineering geology to the international stage. It also celebrated his scientific spirit—dedicated to fulfilling his mission, serving the nation, pursuing truth tirelessly, and nurturing future generations.

There are totally 19 scientific reports. Prof. Rafig Azzam, former President of the IAEG, presented Engineering Geomechanics—Status Quo Development; IAEG Vice President Qi Shengwen shared New Advances in Engineering Geomechanics: From Rock Structure Mechanics to Rock Structure Dynamics; Dr. Haris Saroglou, IAEG RWP recipient, presented The Challenge of Rock Mass Classification of Anisotropic Rock Masses; Prof. P. G. Ranjith from Monash University, Australia, presented Eco-Friendly Rock Breaking with SREMA: The Key to Sustainable Mineral Recovery; Dr. Nick Barton delivered a report titled GSI or JRC Is a Fundamental Choice with Several Major Consequences;

At the closing ceremony, Wu Faquan delivered concluding remarks. He noted that the conference was a grand academic event, with over 500 attendees on-site and 58,000 viewers via video and live streaming. The symposium brought together leading scholars in rock mechanics and engineering geology from around the world to engage in in-depth discussions on cutting-edge issues and innovative developments in engineering geomechanics. It also provided a broad platform for global experts to exchange ideas, inherit, and promote Academician Wang Sijing's academic philosophy and scientific spirit.



GREECE

Haris Saroglou Receives 2025 ISRM Franklin Award

GERMANY

Elections of the board of the German National Group

After the elections, the new board of the IAEG German National Group consists as follows:

Prof. Dr. Kurosch Thuro, Technical University of Munich, President

Dr. Anika Braun, Technical University Berlin, 1st Vice President

Dipl.-Geol. Anna Meyer, Baugeologisches Büro Bauer, 2nd Vice President

Section Days Geotechnics - Engineering Geology Conference

Fachsektionstage Geotechnik - Tagung Ingenieurgeologie

7.-8. October 2025, Würzburg, Germany

https://fachsektionstage-geotechnik.com

The 24th Conference on Engineering Geology will take place in October as part of the **Section Days Geotechnics** organized by the German Society of Geotechnics (DGGT e.V.). The "Section

Days Geotechnics" is an interdisciplinary forum including the sections of Soil Mechanics, Rock Mechanics, Geosynthetics in Geotechnics, Environmental Geotechnics and Engineering Geology.

Each participant has access to all presentations at the individual conferences. This event, with five section conferences under one roof, offers you not only a perfect platform for professional exchange with experts from various geotechnical disciplines, but also for cross-disciplinary networking.

The new board wants to continue to pursue the goal to increase the participation of Young Engineering Geologists (YEGs) and Women in Engineering Geology (WEG). The proven format of the Forum for Young Engineering Geologists will continue, and Young Engineers give almost half of the lectures. Around a quarter of the speakers will be woman which we are very pleased about, but we also want to work on attracting even more women as speakers and in general as Woman in Engineering Geology. We are also pleased that half of the session leaders will be Women. We want to take this opportunity to draw attention to the YEGs and WEG on the conference.

The Conference on Engineering Geology will contain following focal points:

- Natural hazards: Investigation and monitoring of landslides & (early) warning systems
- Engineering geological problems in civil engineering structures (large-scale projects)
- Engineering geological challenges in underground construction (tunnels, caverns, hydropower)
- Using the subsurface for energy (shallow and deep geothermal energy, energy storage)
- Deep geological repositories (nuclear waste disposal, underground storage, CCS)
- Digital subsurface model: "digital twin" and interactions between subsoil and structure
- Forum for Young Engineering Geologists

JAPAN

An exchange event between the JSEG and the Asia VP of IAEG

On August 5, 2024, an exchange event was held between the Japan Society of Engineering Geology (JSEG) and Dr. Ranjan, the Asia VP of International Association for Engineering Geology and the Environment (IAEG). Prof. Shuichi Hasegawa, board members of JSEG and the International Committee attended. The event also saw participation from Ashis Acharya, a Ph.D. student from Shimane University along with many others, fostering a fruitful exchange of ideas.

Dr. Dahal shared insights on Engineering geology in Nepal and expressed IAEG's expectations for collaboration with JSEG. This provided a valuable opportunity to reflect on future contributions from IAEG and the Asia region.

We hope to see more opportunities like this in the future to strengthen our international collaborations and enhance the field of applied geology.

2024 JSEG Annual Meeting

The 2024 Annual Meeting of JSEG (Japan Society of Engineering Geology) was held on October 9 and 11 in Takamatsu city in Kagawa Prefecture following schedule.

This year's conference was a great success, with the highest number of participants to date.

Oct. 9th (Wed): Research presentations, Pre-event: Career Design Seminar, Outreach Workshop

Oct. 10th (Thu): Research presentations, Special lecture, Exchange meeting, young researchers' exchange meeting

Oct. 11th (Fri): Research presentations

Oct. 12 (Sat): Field trip (Shodoshima course and Miyoshi course)

In Special Session 2, titled "The Future of Engineering Geology in Asia: Expectations for Geo-hazards and Open Data", researchers from Japan and overseas reported on the current situation in their respective countries regarding the development and utilization of geo-hazards and open data, and also introduced examples and information that could be used to find a way forward in the future.

JSEG held this session because it thought it was important to share information about the contribution of Engineering Geology in the Asian region, as well as about collaboration between applied geology and other fields, such as information technology.

Kagawa Prefecture is located in the Shikoku region of Japan and is famous for its Sanuki udon noodles. This area is surrounded by beautiful nature and has a mild climate. Being located by the sea, Kagawa is also known for its abundant seafood, allowing visitors to enjoy fresh fish and

shellfish.

Kagawa Prefecture is primarily composed of granite. In the southern part of the prefecture, the Sanuki Mountains, formed from the Late Cretaceous Izumi Group, run in a northeast direction, featuring well-defined ridges with elevations ranging from 600 to 1,000 meters. The northern foothills of the Sanuki Mountains consist of granite hills that gradually decrease in elevation toward the south, towards the Seto Inland Sea.

Along the Seto Inland coast, various types of lava and volcanic breccia, including Sanuki rock, overlay these granite hills, forming several mountain blocks. Some of these blocks create flat-topped plateaus resembling mesas, while others take on conical butte shapes, standing isolated above the plains and contributing to the unique landscape of Sanuki.

The host country for the 16th Asian Regional Conference (ARC16) in 2027.

Japan has been selected as the host country for the 16th Asian Regional Conference (ARC16) in 2027.

During the IAEG meeting held at the 4th European Regional Conference, JSEG proposed that ARC16 serve as a platform for discussing the following themes, which are relevant to countries worldwide, with a particular emphasis on Asian nations:

1. Utilization of geohazard information and technology being developed as Open Data

2. New approaches to disaster prevention in light of the increasing natural disaster risks posed by large-scale climate change

3. Excavation and preservation of disaster remnants to raise public awareness about disasters

4. Challenging geological uncertainties related to the development of social infrastructure in rapidly growing Asian economies

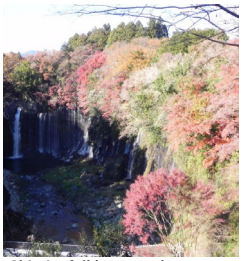
The Asian Regional Conference is now in its third iteration. We are committed to making this conference a valuable opportunity for fostering further exchanges among researchers and engineers from Asian countries.

Traditional Japanese castle

World heritage of Mt. Fuji, view from north

Showa-shin-zan, Recent Lava Dome, appeared in 1944, Hokkaido

Sakura, representative spring flower, Cherry blossom



Shiraito fall by ground water coming from the slope of southwest of Mt. Fuji

Red leaves in Yokohama, south of Tokyo

/7.
2025 MEMBERSHIP UPDATE

By May 22, 2025 the number of IAEG memberships is 3927 from 72 national/regional groups.

VP	No.	NG	total	Associate members
Anthony Bowden	1	Australia	520	
	2	New Zealand	848	
Janusz Wasowski	3	Albania		
	4	Austria		
	5	Bulgaria		
	6	Croatia	29	
	7	Cyprus		
	8	France		
	9	Georgia	14	
	10	Greece		
	11	Hungary		
	12	Italy		
	13	Portugal		
	14	Romania		
	15	Serbia		
	16	Slovenia		
	17	Spain	19	
	18	Switzerland	61	
	19	Turkey	131	
Helen Reeves	20	Belorussia	8	
	21	Netherlands		
	22	Lithuania	18	
	23	The United Kingdom		
	24	Belgium		
	25	Czech Republic	32	
	26	Denmark		
	27	Estonia		
	28	Finland		
	29	Germany	440	
	30	Iceland		
	31	Ireland		
	32	Kyrgyzstan		
	33	Norway		
	34	Poland	24	
	35	Russia	89	
	36	Slovak Republic	10	
	37	Sweden		
	38	Uzbekistan		

VP	No.	NG	total	Associate members
Moshood N. TIJANI	39	Algeria		
	40	Nigeria		
	41	South Africa		
	42	Morocco	7	
Julien Cohen-Waeber	43	Canada		
	44	USA	211	
Francisco de Jorge	45	Argentina		
	46	Bolivia		
	47	Brazil	516	
	48	Chile	63	
	49	Colombia		
	50	Costa Rica		
	51	Mexico	17	
	52	Paraguay	40	
	53	Peru	44	
Ranjan Kumar Dahal & Shengwen Qi	54	Bangladesh	72	
	55	Bhutan		
	56	China		
	57	Chinese Taipei		
	58	HongKong	9	
	59	India		
	60	Indonesia		
	61	Iran		
	62	Iraq		
	63	Japan		
	64	Korea	19	
	65	Malaysia		
	66	Mongolia	27	
		Myanmar		
	67	Nepal (NGS)		
	68	Nepal (NSEG)	525	
	69	Pakistan		
	70	Singapore	130	
	71	SEAGS		
	72	Vietnam		
Individual Member			3	
Associate Member			1	
Total			**3927**	

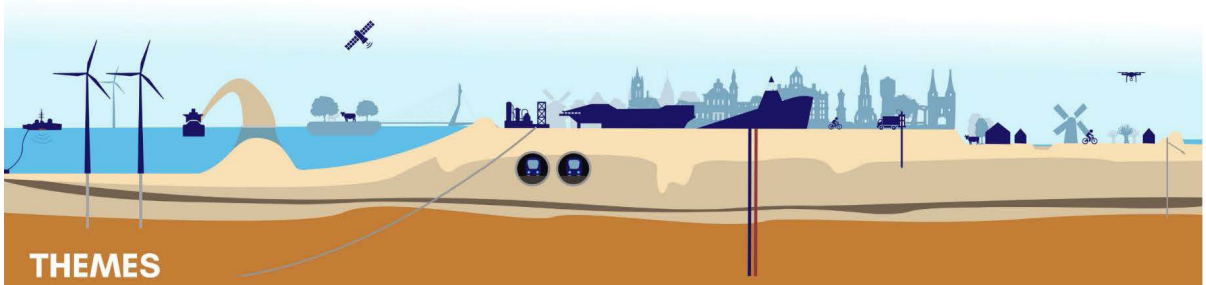
/8.
IAEG CONGRESS

SUBMIT YOUR ABSTRACTS BY 1 JULY 2025!

XV IAEG 2026 WORLD CONGRESS

Engineering Geology in a Rapidly Changing World

30 Oct - 6 Nov 2026 | Delft, The Netherlands



THEMES

1. Innovation in ground modelling
2. Low lying, coastal, soft soil countries
3. Geohazards
4. Energy transition
5. Responsible use of the (sub)surface
6. Environmental eng.
7. Heritage preservation
8. Digital transition & AI revolution
9. Boosting eng. geology

Dear Colleagues and Friends of the International Association for Engineering Geology and the Environment,

We are pleased to **extend** our call for abstracts for the XV IAEG 2026 World Congress. The congress will focus on cutting-edge research on the fundamentals of engineering geology, showcase best practices across the field, and demonstrate engineering geology's pivotal role in a world struggling with unprecedented challenges.

We will cover a broad range of engineering geology topics, with two overarching themes: sustainable global development and climate change mitigation and adaptation.

For details on the themes, please visit www.IAEG2026.org. Abstracts must be submitted by 1 July 2025. Sessions will be structured based on the abstracts received.

We are looking forward to your participation in IAEG 2026 and the collective efforts that will shape the future of engineering geology.

The IAEG2026 congress organization team

Submit here!

To

Members of all IAEG National groups

Members of Ingeokring & KIVI-Geotechniek

Members of the IAEG sister Associations: ISRM, ISSMGE, & IGS

Members of National Geological Surveys

Academics, practitioners, in the field of engineering geology and neighboring fields

/9.
REGIONAL CONFERENCES

The 4th African Regional Conference of IAEG in Windhoek, Namibia on September 8-16, 2025

The 15th Asian Regional Conference of IAEG in Kathmandu, Nepal on November 27-29, 2025

Early Bird Registration

The countdown has begun! Take advantage of our exclusive Early Bird pricing on your registration. Secure your spot for just $550 before June 15, 2025 and enjoy:

★ Entry to all presentation sessions
★ Extended Abstract Volume and Conference Kit
★ Reception Dinner, Lunch, Tea, and Snacks

Abstract

Submit: https://ajeg.nseg.org.np/index.php/ajeg/arc15abstract
Abstract Template: https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fnseg.org.np%2FajegTEM.docx&wdOrigin=BROWSELINK
Register: https://arc15.nseg.org.np/registration/

Speakers

			
Atsuko Nonomura **Kagawa University**	Abd Rasid Jaapar **GMTGeos**	Goh Thian Lai **National University of Malaysia**	Jia-Jyun Dong **National Central University**

Please refer to https://arc15.nseg.org.np/issue-19/ for the latest news of ARC-15.

/10.
MEETING INFORMATION

ISRM Workshop on **Soft Rocks** 2025

15-16 May 2025 | Porto, Portugal

https://fe.up.pt/isrm-wsr2025/

Bulletin No. 2

Introduction

The Soft Rocks Commission of the International Society for Rock Mechanics and Rock Engineering (ISRM) is proud to announce the organization of the ISRM Workshop on Soft Rocks, to be held in Porto, Portugal, in May 2025. We look forward to receiving your groundbreaking research and to a fruitful exchange of ideas at the ISRM Workshop on Soft Rocks in 2025.

Themes & Topics

★ Concept and classification of soft rocks

★ Physical and mechanical characterization of soft rocks

★ Stability analysis, monitoring and control technology of soft-rock slopes

★ Deformation mechanism and control technology of soft-rock tunnels

★ Design measures of soft-rock engineering

Registration Cost

★ Members of ISRM, CSRME, SPG and FEUP: 200 EUR; Students: 100 EUR

★ Other members 250 EUR

★ The registration cost includes the proceedings, participation in the sessions, and coffee breaks

★ The workshop dinner is not included in the registration cost.

Venue

Please refer to https://www.dropbox.com/scl/fi/ts3tuj9meuu5t5onhxl8p/Bulletin02_20250421.docx?rlkey=2bzptq371ys33ra2e0v3552t7&st=vwnd3i9c&dl=0 for Bulletin No.2.

18°CBGE Brazilian Congress of Engineering Geology and the Environment on August 17-21, 2025 in Brazil

Please refer to https://iaeg.info/event/18cbge-brazilian-congress-of-engineering-geology-and-the-environment/ for the 1st circular of the meeting.

The 3rd Argentina Congress of Applied Geology to Engineering and The Environment on September 23-26, 2025 in Argentina

2025 Taiwan Rock Engineering and Engineering Geology Symposium on October 16-17, 2025 in Taichung, Taiwan

2025 Taiwan Rock Engineering and Engineering Geology Symposium

1st Circular

16-17 Oct. 2025, Taichung, Taiwan
Humanities Building, National Chung Hsing University

Important Dates
Abstract (1 page) or Full paper (max. 4 pages) submission deadline: 1st July
Registration deadline: 15 August

Organizer:
Department of Civil Engineering, NCHU
Department of Soil & Water Conservation, NCHU
Society of Rock Mechanics and Engineering Geology located in Taipei

https://sites.google.com/view/geo2025/
Contact: tseg999@gmail.com

國立中興大學 土木工程學系 National Chung Hsing University Department of Civil Engineering

國立中興大學水土保持學系 Department of Soil and Water Conservation

Call for Papers Scope and Subtopics

A. Rock Mechanics: Rock discontinuities, mechanics of rock masses, hydraulic properties, and others.
B. Rock Engineering: Rock tunnels, rock slopes, foundation engineering, and others.
C. Engineering Geology: Site investigation, geological resources, geological environment, and others.
D. Emerging Fields: Geological energy, net-zero emissions and carbon sequestration-related engineering, applications of artificial intelligence, offshore wind turbine foundations, and others.
E. Geological Hazards: Debris flows, large-scale landslides, soil and water conservation engineering, and others.

Keynote speech

Professor Ki-Bok Min, Vice-President of ISRM
Chin-Lun Wang, Deputy Director, Agency of Rural Development and Soil and Water Conservation, MOA
Distinguished Professor Keh-Jian Shou, Department of Civil Engineering, NCHU
Dr. Andrew Ka Ching Chan, Deputy Chairman of Arup Group Ltd.

Organizing Committee

Convener: Professor Keh-Jian Shou, Professor Jui-Ching Chou, Department of Civil Engineering, NCHU
Professor Zheng-Yi Feng, Professor Kuang-Tsung Chang, Professor Ya-Chu Chiu, Department of Soil and Water Conservation, NCHU.
Secretary-General: Professor Yi-Hui Chen, Department of Civil Engineering, NCHU.
Preparatory Committee Members: Tai-Tien Wang, Feng-Ren Wang, Hsi-Hung Lin, Meng-Chia Weng, Che-Ming Yang, Chung-Jung Yu, Fu-Yuan Hsiao, Pei-Chen Jan, Jia-Jyun Dong, Cheng-Yang Yen, Chih-Chung Chung

Oct. 16 2025			
Time	Agenda	Room	Host
08:30-09:00	Registration		
09:00-09:20	Opening Ceremony, Guest of Honor Speech	Room 105	To be determined
09:20-10:10	Keynote I	Room 105	
10:10-10:20	Coffee Break		
10:20-11:10	Keynote II	Room 105	
11:10-12:00	Keynote III	Room 105	
12:00-13:30	Lunch		
13:30-14:20	Keynote IV	Room 105	
14:20-14:30	Coffee Break		
14:30-15:50	Oral presentation (I), Student competition (I), Poster presentation	Room 101, Room 102	
15:50-17:10	Oral presentation (II), Student competition (II), Poster presentation	Room 101, Room 102	
17:10-	Banquet	阿秋肥鵝	
Oct. 17 2025			
09:00-10:20	International session (I), Oral presentation (III), Poster presentation	Room 101, Room 102	To be determined
10:20-11:40	International session (II), Oral presentation (IV), Poster presentation	Room 101, Room 102	
11:40-12:10	Awards Ceremony and Closing Ceremony	Room 105	
13:30-15:30	TSRMEG members' meeting	Room 105	
Oct. 18 2025			
09:00-12:00	Chelungpu Fault Preservation Park	Site tour	
13:30-16:00	鳥嘴潭人工湖	Site tour	

Recommended viewspots

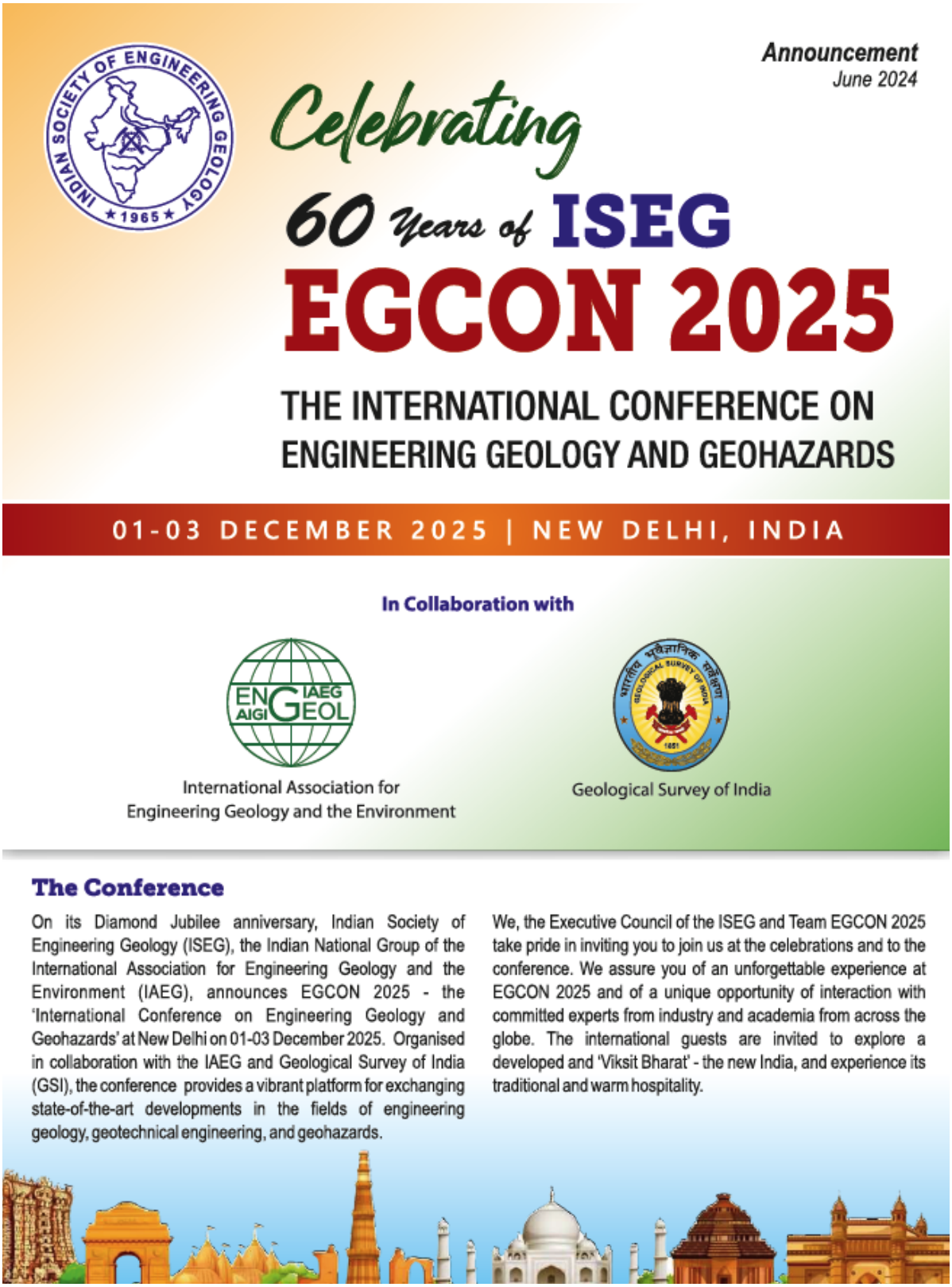
宮原眼科https://travel.taichung.gov.tw/ja/attractions/intro/1211

帝国製糖工場台中営業所 https://travel.taichung.gov.tw/ja/attractions/intro/1596

台鉄台中駅_旧駅 https://travel.taichung.gov.tw/ja/attractions/intro/1828

New Delhi, India, December 1-3, 2025

EGCON 2025



Please refer to https://www.dropbox.com/scl/fi/2zy1fbmjphgfx0xsxjivh/EGCON2025-Circular.pdf?rlkey=m6kvqdrf3jn34d8uqbiv40ljy&st=fk0x4di5&dl=0 for the 1st circular of the conference.

/11.
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