



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



IAEG

NEWSLETTER

Issue No.1, 2024

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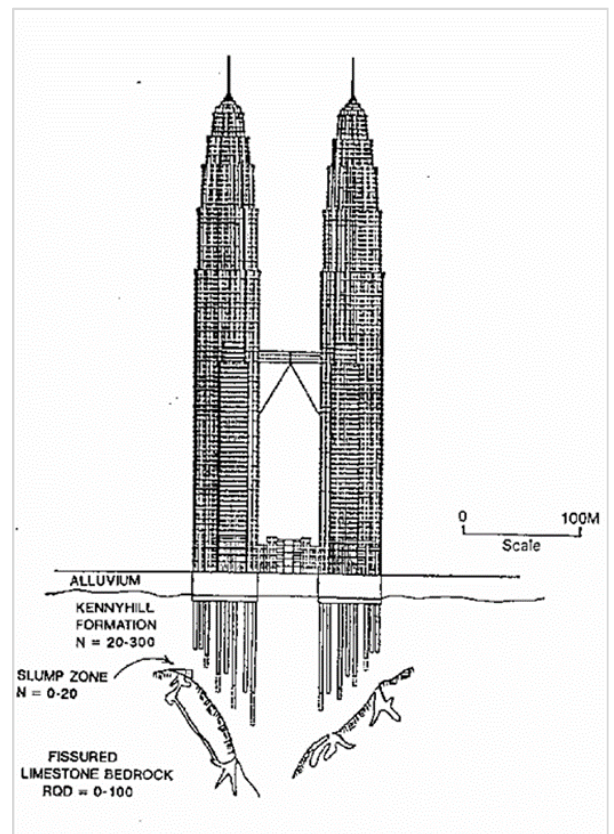
COVER STORY



Photo Group of Some of the Participants Facing PETRONAS Twin Towers, the Tallest Twin Towers in the World

One of the world's most iconic engineering feats, the Petronas Twin Towers are the pride of Malaysia, symbolizing its growth as an industrialized nation. There is an aerial bridge connecting the two towers on the 41st and 42nd floors, making this the highest two-story bridge in the world. The construction of Petronas Twin Towers took 6 years and cost the country a fortune of over RM 6 billion (USD \$1.6 billion) to complete. The site planning for Petronas Twin Towers began in January 1992, led by distinguished architect Cesar Pelli along with DeeJay Cerico, J.C. Guinto, and Dominic Saibo.

The site located in a geologically complex contact zone of Kuala Lumpur Limestone and Kenny Hill Formations of interbedded metasedimentary rocks. Detailed geotechnical investigation comprising about 400 deep boreholes up to a maximum depth of 200 m and relevant field and laboratory tests revealed karstic limestone formation at a depth varying from 20 m to more than 200 m below ground level. Limestone is generally overlain by thick Kenny Hill Formation which in turn underlies Alluvium. Two full scale 30,000 kN instrumented 1,200 mm diameter bored piles underwent testing and evaluated to determine design parameters. The detailed analyses of the sub-surface profile and evaluation of various foundation options resulted in a shift of building location by about 60 meters to minimize the differential settlement. Finally, a foundation solution comprising a 4.0 m thick raft supported on post-grouted-barrette piles varying in depth from 45 m to 105 m was adopted. The maximum total settlement of the piled raft is estimated to be about 73 mm whereas the maximum differential settlement is of the order of 25 mm.



Schematic of Foundation System of PETRONAS Twin Towers
(Clyde N. Baker Jr., et al. 1998)

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IAEG PRESIDENT'S MESSAGE





IAEG President's message

Dear members of IAEG, colleagues and friends,

As I enter my second year as President of the IAEG I would like to inform you about our progress, activities and next steps towards our strategic plan. Through tight collaboration with the VPs, secretary general, treasurer, Advisory Committee, YEG, WEG, Web Editor, and our Editors in Chief of our journal, we have set a number of short- and long-term goals. Our aim is to foster significant changes that will enhance this already remarkable association.

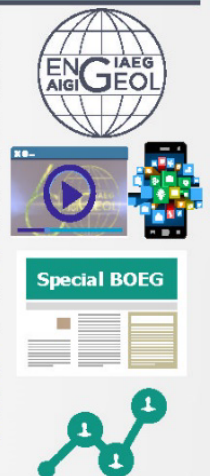
Before doing so though, **join us in celebrating a remarkable milestone!** 2024 marks the **60th anniversary of the IAEG**, and we couldn't be more excited to share this moment with you. Over the past 60 years, we've made incredible achievements, strong connections and memories that will last a lifetime.

The energy of our board in this term (2023-2026) and my priorities are targeted to the membership service, the training and education of our members, the employment of young colleagues in IAEG, taking pivotal steps towards promoting greater gender diversity and inclusion within our association and create opportunities for networking.

Very briefly, I would like to present here some of our activities. A more detailed report can be found on our website.

60th anniversary of the IAEG

As we gear up to celebrate our 60th anniversary, we are embarking on a series of exciting initiatives to commemorate this significant milestone. Among the highlights, we are thrilled to unveil a **brand new IAEG logo**, symbolizing our continuing evolution and commitment to excellence. Additionally, our Youth Engineering Geologists (YEG) are spearheading the creation of a **celebratory video**, capturing the essence of our journey and the spirit of our community. Special **promotional materials** that are designed to showcase the rich history and achievements of IAEG are in the works. Furthermore, we are proud to announce the **publication of a special issue in the Bulletin of Engineering Geology (BOEG)**, titled "Advances and Challenges in Engineering Geology: Celebrating 60 Years of IAEG," offering insights into our past accomplishments and future endeavours. These endeavours are a testament to our enduring legacy and the vibrant future ahead. **Finally, we invite all NGs/RGs and Commissions taking part in the IAEG's 60th Anniversary by organising celebration activities in different forms during their annual conference or meeting. You will have the help of our VPs on that.**



Membership service

Looking inward to focus on IAEG, we must ask, what benefits can IAEG provide to its members? **"Why become a member of IAEG?"**. This priority is at the forefront of our new Executive Office's agenda.

By joining IAEG members gain access to a vast network of like-minded professionals and experts, facilitating collaboration, knowledge sharing and mentorship opportunities. Additionally, membership provides exclusive access to cutting-edge research, publications and resources empowering members to stay abreast of the latest developments and advancements in the field. IAEG also offers various platforms for professional development, including conferences, workshops, and training programs, allowing members to enhance their skills and expand their expertise. IAEG, 60th years now, has been at the forefront of advancing engineering geology and geoenvironmental sciences, fostering international collaboration, and promoting sustainable practices worldwide.



Digital Registration

We must modernize IAEG. Digital registration enhances efficiency, accessibility, and security of information and services, benefiting both organizations and users alike.

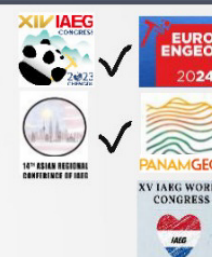
It offers **accessibility** since it allows users to access information and services from anywhere and on any device with internet connectivity. Furthermore, **efficient and easier management** of data and information can be facilitated, saving time and resources compared to traditional paper-based registration systems. Information can be updated and accessed instantaneously thus streamlining administrative processes. **Networking** between all IAEG members, from any place of the world, can be then boosted. **Data security** can be guaranteed with digital registration systems since they can provide advanced security measures to protect user data, such as encryption, authentication protocols, and secure storage methods.

Digital registration will be available in a couple of weeks!



Conferences

The annual IAEG meetings, either in regional or world level, are our scientific and **social highlight of the year(s)**. Here, I would like to warmly thank the organizing committees of the Chinese NG for the organization of the 14th World Congress in 2023, the organizing committee of the Malaysian NG for the organization of the Asian Regional Conference – 14th ARC (February 2024), the Croatian NG for the organization of the 4th **European Regional Conference (Dubrovnik, October 2024)**, the Chile NG for the organization of the **Latin America Regional Conference – PANAMGEO (La Serena, November 2024)** and the Dutch NG for the organization of the **15th World Congress in 2026 (Delft, October 2026)**.



Young Engineering Geology (YEG Group)

The Young Engineering Geologists (YEG) initiative is poised to undergo significant expansion and empowerment within our association. To ensure their voices are heard and their needs addressed, **a VP position dedicated to YEG will be introduced** within the ExCom, with the incumbent elected during the council meeting.



Together, we are shaping the future of our organization! Collaborating closely with the YEG group, we aim to cultivate a strong cohort of YEG members within IAEG by promoting national group membership. Looking ahead, **our focus lies in organizing summer schools, field trips, and a variety of YEG activities**, including webinars, specialized workshops held during IAEG events, and career days. We are committed to create an environment where the participation and development of young professionals in engineering geology are both encouraged and fully supported. **We are looking forward to a well-structured YEG** where young members can be actively involved and benefit from our networking and training plans.

Training & Education

Another critical mission of IAEG is to educate our young professionals and practitioners and also educate-inform the people about the role of Engineering Geology to the society. It is imperative that we articulate our steadfast stance on this matter within the pertinent Joint Technical Committee (JTC3) alongside our affiliated societies within the Federation of International Geo-Engineering Societies (FedIGS).

IAEG organizes a series of webinars from experts in a wide spectrum of engineering geological subjects which are uploaded with free access in our website. Many of the webinars are led by the YEG and operating every two months. Another target is to train our members through the leadership and scientific concentrations of our Technical Committees or active parts (WEG, YEG, VPs) of our associations in all regions. Workshops from the TC25 are being organized to be held in the upcoming months in Australasia. Others, like the use of GIS in geoenvironmental works are also planned in Asia. Such workshops will be standardized and run to more regions. VPs will see to that. We are looking forward



Women in Engineering Geology (WEG)

The establishment of "Women in Engineering Geology" (WEG) marks a pivotal step towards fostering greater gender **diversity and inclusion** within our association. By launching this dedicated group we aim to amplify women's participation across various facets of our organization.



3rd IAEG Summer School

Our IAEG Summer School continues to be a cornerstone event, offering immersive learning experiences. The **upcoming 3rd Summer School**, set against the picturesque backdrop of the Alps **in Italy next June**, promises to be an enriching opportunity for all participants.

Networking

Establishing a robust networking framework serves as a catalyst for multifaceted growth, spanning education and training, scientific advancement and professional development. By facilitating knowledge exchange and mentorship opportunities, seasoned experts can impart invaluable insights and guidance to emerging talents, nurturing their potential and shaping the future of the field.

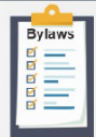


Bulletin of Engineering Geology and the Environment (BOEG)

IAEG's flagship official journal, has served as a very important journal in the field of Engineering Geology. Our dedicated and tireless editors-in-chief, Dr. Louis Wong and Dr. Arindam Basu, with the support of the Editorial Office, have been serving IAEG for more than 5 years now. The BOEG stands as a cornerstone publication in the field, boasting an **impressive Impact Factor of 4.2** as of 2022 (4.4 in 5-year factor). Our journal is now accessible to all members, online only.

Review of Bylaws and Statutes

Inspect how our bylaws and statutes are compliant with French Law (official offices of IAEG) and to check the liability of officers (President, Treasurer and SG) and provide recommendations for changes that must be made to comply with the law. Another important issue that concerns our administration is Data Privacy.

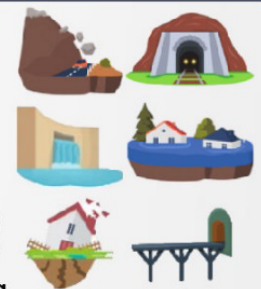


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Promoting IAEG and Engineering Geology profession

Promoting the field of Engineering Geology is essential for raising awareness about its vital role in society and **we're committed to showcase its significance through various channels**. Our **conferences** serve as dynamic platforms for sharing cutting-edge research, best practices and fostering collaboration among professionals worldwide. Additionally, **workshops** hosted by our technical committees provide invaluable opportunities for hands-on learning and skill development. To reach a wider audience, we're creating a **corporate video** that highlights the diverse applications and impact of Engineering Geology. We're also launching a series of **colourful infographics**, each one illustrating the crucial contributions of Engineering Geology to society, engineering projects, and geohazard management.



An Equity, Diversity and Inclusion (EDI) policy report of IAEG

An EDI policy report was presented by a relevant working group and has been approved in the council meeting of 2023 in Chengdu. Building on this momentum, the working group continues to lead efforts to **implement policies and initiatives that prioritize equity, celebrate diversity, and create opportunities for all members to thrive**.

IAEG awards

Our prestigious awards, **Hans Closs medal**, **Marcel Arnould Medal** and **Richard Wolters Prize** have been called for 2024. We urge you to promote our awards. **Recruit your best PhDs in Engineering Geology** and apply for the Richard Wolters prize of IAEG. The best PhD works will contest in October 2024 for the most prestigious award of our Young Professionals-Researchers. The deadline for applications is 15th of June. **Paul Marinos Distinguished World Lecture Tour**. A newly established award to commemorate the contributions in the field of Engineering Geology of the Past President and Honorary President of the Association the late Professor Paul Marinos. We had 5 nominations for the 2024-2025 and the winner will be announced the next month.



President's Activities – Meetings

- ExCom Mid-Term Meeting (Paris, May 2023). The 1st physical meeting of the board setting the strategic plan, short- and long-term goals.
- 84th AEGE meeting (Vienna, June 2023). IAEG booth rep.
- 14th World Congress ExCom and Council meetings (Chengdu, September 2023). Opening speech about IAEG and keynote lecture
- FedIGS meeting (Salzburg, October 2023). Board member. IAEG activity report
- ISRM's 15th World Congress (Salzburg, October 2023). Brief the ISRM council about IAEG activities. FedIGS lecture in opening plenary session.
- 2nd MLS (Mediterranean Landslide Symposium) (Tunis, October 2023). Keynote lecture. Effort to form Tunis NG for IAEG.
- 6th World Landslide Forum (November, Florence 2023). IAEG booth. Discussions for cooperation agreement – memorandum of understanding between IAEG and ICL.
- Day Meeting with the organizing committee – Dutch NG - of the 15th World Congress (Delft, January 2024)
- Conference «La Géoscience et les Géorisques du Nord du Maroc» (Casablanca, February 2024). Opening speech about IAEG and keynote lecture. Effort to form Morocco NG for IAEG.
- 14th Asian Regional Conference (Kuala Lumpur, February 2024). Opening speech about IAEG. Keynote lecture
- 25th Sergeev conference (Derbent, March 2024). Online presentation about IAEG.
- Meeting with the organizing committee – Croatian NG - of the 4th European Regional Conference of IAEG (Dubrovnik, April 2024)
- Numerous on-line meetings for the formation of WEG, with the advisory board and working groups of IAEG, for awards procedures, web platforms, video production for the 60-year anniversary and promotion of IAEG, membership and registration management and others for the governance of IAEG.

Upcoming events

Notably, this year, we eagerly anticipate our Regional Conferences scheduled to take place in Europe (Dubrovnik, Croatia 8-12 October 2024) and Latin America (La Serena, Chile, 12-16 November 2024).

Two Executive meetings have been arranged for the next months: **a mid-term meeting in Athens (8-10 of May 2024)** and **the annual meeting in Dubrovnik, on the 8th of October 2024** in the occasion if the European Regional Conference (EuroEngeo2024) of IAEG (10-12 October).

I would like to thank all members for the continued participation and enthusiasm in our community. Finally, I'd like to give a special shout-out of appreciation to the IAEG Executive Office members for their tireless work and support they provide each and every day. Thank you all!

Hope to see you in our 2024 annual meeting in Dubrovnik next October, when we will celebrate the 60th anniversary of IAEG with numerous festivities planned and a superb venue exactly next to the sea.

Gratefully,

Vassilis P. Marinos
President of IAEG

GLORY AND DREAM: THE 60th ANNIVERSARY MEMOIRS

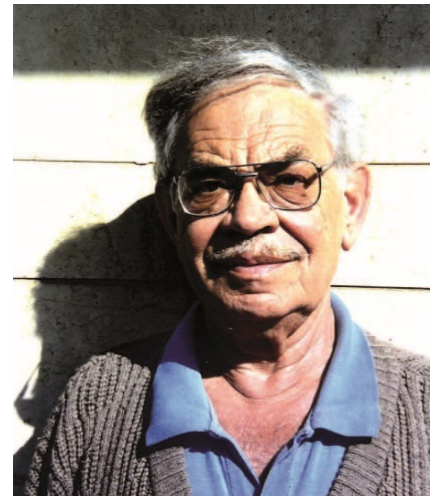
This column will revisit the memoirs of past presidents and secretaries-general, as featured in the 50th anniversary book. In this issue, we will retrospect Past President ASHER SHADMON and QUIDO ZÁRUBA, and Secretary General MARCEL ARNOULD and RICHARD WOLTERS. (All the contents regarding this column are completely extracted from IAEG 50 Years Book.)

ASHER SHADMON:

President From 1964-1968

Asher Shadmon was the initiator and one of the founders of the International Association for Engineering Geology (IAEG) and served as its first president.

The establishment of the IAEG, Shadmon's idea, goes back to 1964, on the occasion of the International Geological Congress held in New Delhi. The idea arose due to the lack of a section on engineering geology and the rejection by the organisers of including the correspondent items in a section called "miscellaneous". As a result of this, it was decided to create an IUGS Committee



of Engineering Geology, which was established in December 1964, Shadmon being its president. With the support of several colleagues, in particular Marcel Arnould and Quido Záruba, these IAEG pioneers succeeded to have the IAEG recognised and affiliated to the IUGS at the beginning of 1967. Asher Shadmon was president of this committee until 1968.

Always active and concerned with the IAEG, Shadmon gave lectures and wrote several papers on the role of engineering geology. For example, in 1999 Shadmon gave a presentation entitled "The Homecoming of Engineering Geology" (reproduced in Newsletter 1999 27/1), in which he said, "the IAEG is reaching maturity and today only very few natural and human activities are not benefiting from the application of engineering geology... [The Association] has achieved national and international recognition, academic, industrial, scientific and technological levels and has been going from strength to strength... The last thirty years has seen the engineering geologist turned into a recognized professional, playing his part in providing a better quality of life, someone who guides rock and rock material into applications which in turn improve our living standards, and aim at a better world."

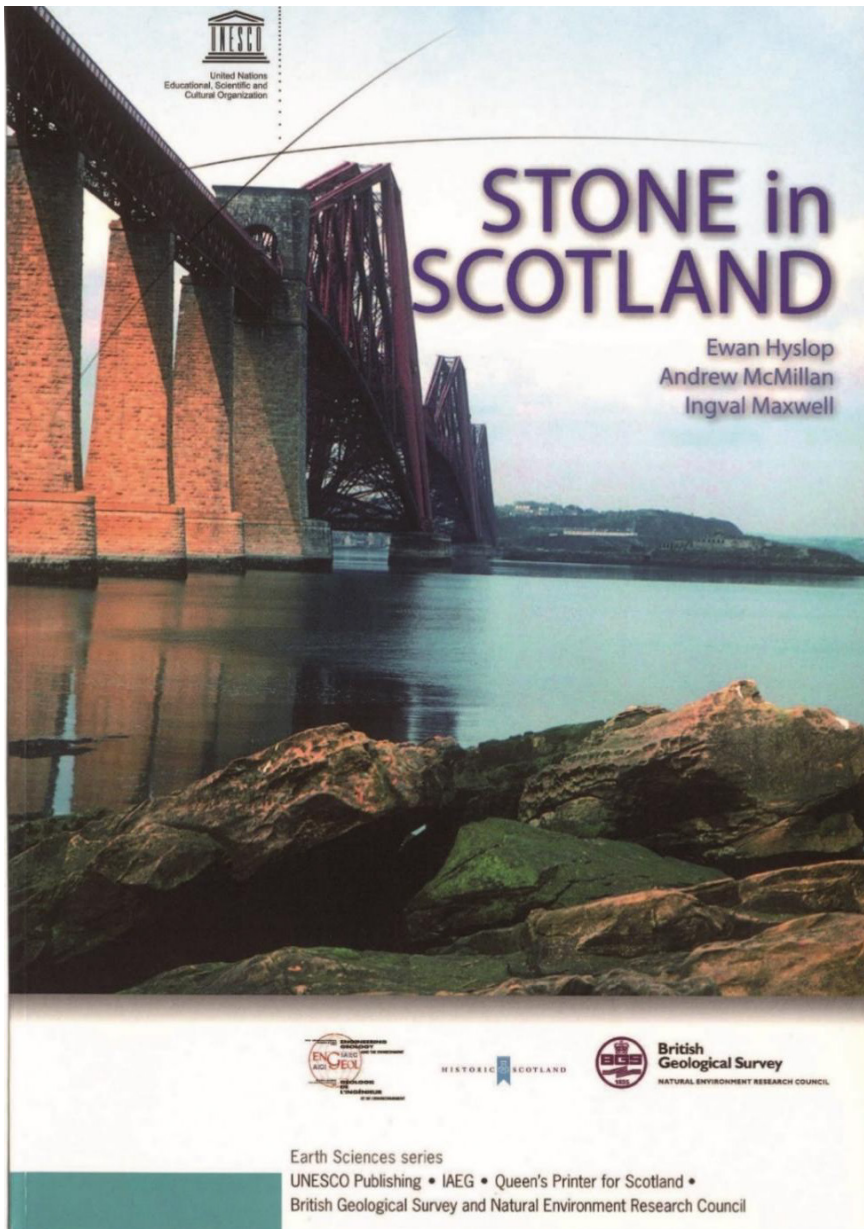


Photo Group of Some of the Participants Facing PETRONAS Twin Towers, the Tallest Twin Towers in the World

Shadmon served on the United Nations International Commission on Building Stones and was a distinguished international consultant on stone as a building material. He was one of the world's experts on marble and other building stones, having written many books on the subject. For the IAEG he initiated and chaired commission C10 on "Building stones and ornamental rocks", which continues to this day. Thanks to Asher's continuous involvement and commitment it has been one of the most active of all the IAEG commissions. Over the years, the commission had meetings all over the world with a wide selection of important, related bodies including Unesco, the Natural Environment Research Council (UK) and the Geological Survey (Finland) as well as companies related to the production and processing of ornamental stones. Asher Shadmon was the chair at almost all of those meetings. The meetings and collaborations resulted in several standards and many prominent publications being

written, with Shadmon playing a crucial role in every project. He participated actively in most of the IAEG council meetings all over the world until 2006, when he joined all the past presidents alive at the time during the Nottingham IAEG congress.

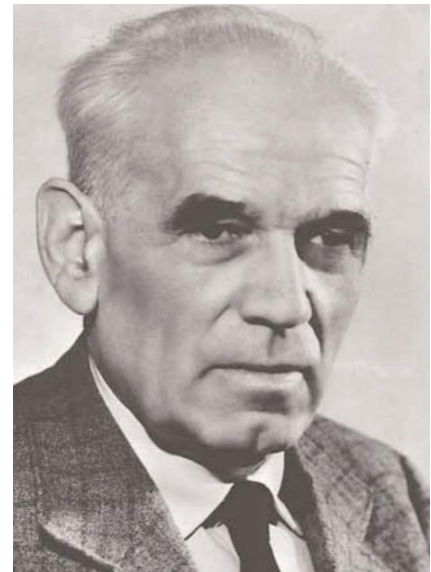
In 2006, the Association recognised his devotion and contribution to the IAEG through a special "Asher Shadmon session" and through awarding him honorary membership of the IAEG. Raimo Uusinoka, former secretary of commission C10, remarked, "... these words are not able to completely account for Professor Shadmon's unparalleled activities in the commission. work, neither in the whole field of building stones. Let me express my most sincere congratulations to Professor Shadmon and warmest thanks to the IAEG for allotting him the quality of IAEG honorary member." On his death in 2011, Paul Marinos said, "Asher was a pioneer for the IAEG and a good friend is now missing," and Carlos Delgado commented, "the IAEG will always be indebted to him for his decisive contribution to the creation of our Association. He was also one of the most relevant members of the commission on building stones. His figure is an example for the younger generations of IAEG members."

QUIDO ZÁRUBA:

President from 1968 to 1972

In 1964, at the International Geological Congress held in New Delhi, a group of engineering geology pioneers proposed to establish the IAEG. Quido Záruba was among those colleagues and largely contributed to the definition of the Association's aims and goals. Supportive of the IAEG project, he organised with Jaroslav Pasek the first general assembly of the IAEG in Prague (Czech Republic) in 1968. His support in raising the foundations of the IAEG was invaluable and essential to the IAEG's success in the early years. He also played an important role in the production of the IAEG Bulletins.

“As a founder of the discipline of engineering geology in Czechoslovakia, Quido Záruba became recognized and respected worldwide. Záruba was born on June 18 1899, in České Budejovice (known as Budweis in the time of the Austrian-Hungarian empire). He died in Prague on September 8, 1993. Záruba graduated from the Czech Technical University in Prague, Faculty of Civil Engineering. When he took the



business over, he established a department of geological investigation for construction planning. From his father, he inherited an interest in scientific work, leading him to study the effects of geological processes on the geotechnical conditions of construction. He published papers on some of his experiences at large construction sites.

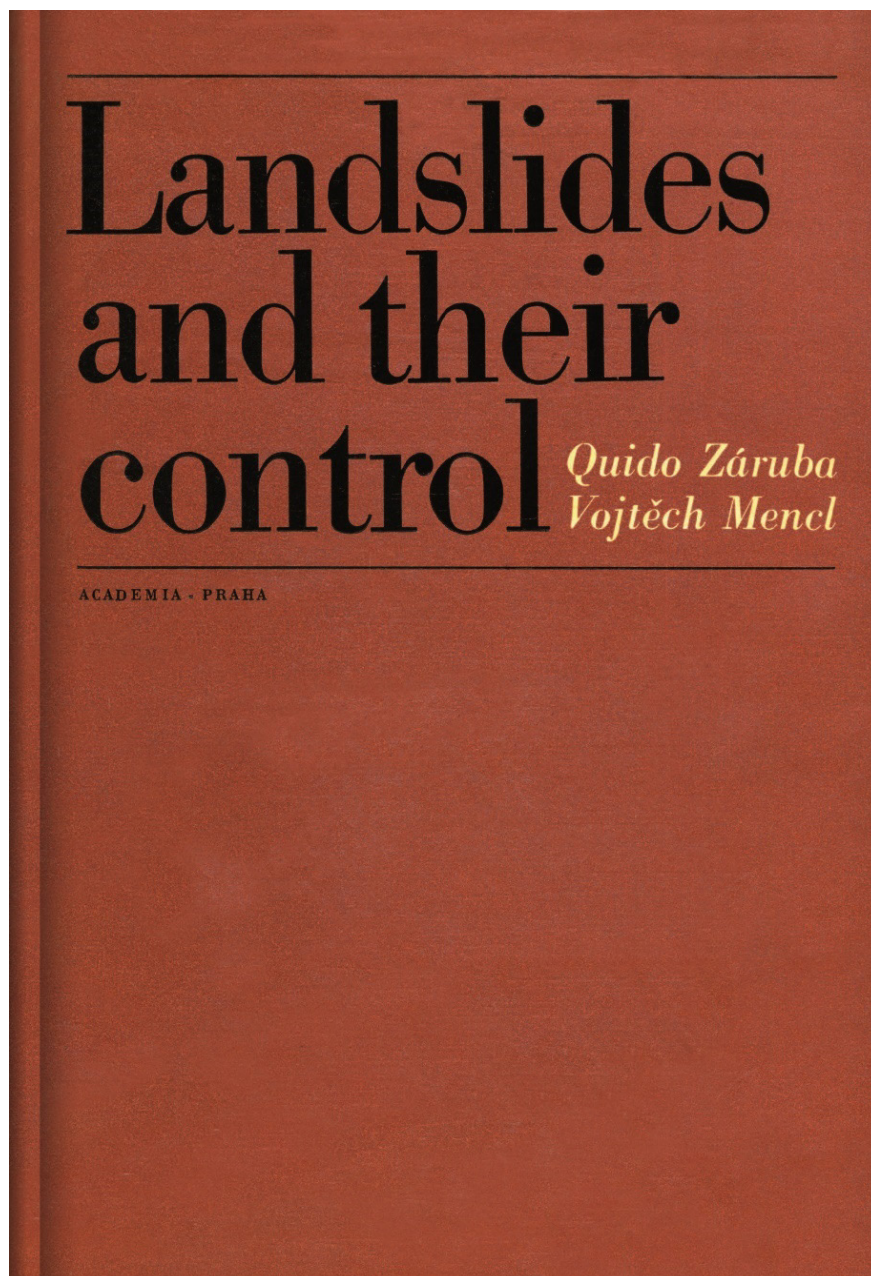
Záruba received his Ph.D. degree at the Technical University in Prague. When he was 32, Záruba was appointed an assistant professor at Charles University. He became a professor in 1945, after the postwar reopening of Czech universities. At Charles, he began to cultivate a specific field of study—geology for civil engineers, later known as engineering geology. After his construction business was nationalized in 1948, he devoted himself to scientific research and teaching. Záruba was often called upon for assistance at construction sites where the geological setting resulted in building difficulties. He passed his experience on to his students through teaching and publishing. Some of them are still part of the research team Záruba founded with the Czech Academy of Sciences in 1957. The department of engineering geology in his former business expanded to constitute a company that is now the largest of its kind in the Czech Republic.

Záruba gained new experience and contacts on trips abroad. On one of his first trips, to the United States and Canada in the 1930s, he presented his ideas at several international conferences. Recognized universally, Záruba was elected president of the International Association of Engineering Geology (IAEG) at its first meeting held in Prague in 1968. Záruba was the author or coauthor of more than 230 papers, mostly case histories. Many were assembled into monographs and textbooks. His manual on geological research applied to the building industry, first published in 1932, became the basis for an essential textbook. His monograph on the geological setting of the city of Prague, based on his own



documentation of foundation pits and excavations in the city, is still used for geotechnical assessment of construction sites in Prague. Záruba's fundamental work is the textbook of engineering geology written with V Mencl, his long-time fellow worker. It was the first - and for many years the only - textbook in this field in Czechoslovakia. Successive editions were updated by Záruba and Mencl, and it was translated into English, German, Russian, and Romanian. Záruba and Mencl encountered several building collapses caused by mass movements; these experiences led them to write "Landslides and Their Control", also published in several editions and translated into several languages, including Japanese. Záruba had a special interest in geological problems at dam-construction sites. He assisted at the erection of all major dams in Czechoslovakia, and he was invited to other European countries to do the same. He was also involved in geological problems of tunnelling; he directed construction of some tunnels himself and contributed to the construction of others as an expert. He was an advisor in the planning and construction of the Prague subway system. His experience at construction sites of railroads and dams, mostly in the Flysch Zone of the Carpathians, led him to introduce his own classification of landslides and mass movements. Because foundation engineering relates most commonly to young quaternary sediments, quaternary geology became one of Záruba's hobbies, a field in which he collaborated with other foremost Czech scientists. He worked on foundation soil maps as part of his studies of the geology of urban areas. His main focus was on the foundation conditions of Prague.

Záruba's professional career illuminated his close relationship to the natural world. As a construction engineer himself, he called attention to inappropriate technological interventions in nature long before ecological and environmental topics became urgent issues. As a founder of the Czechoslovak school of engineering geology, Quido Záruba trained dozens of students who are now spread around the world, loyal to their teacher's principles and methods.



MARCEL ARNOULD:

Secretary General from 1964 to 1972 & President from 1972 to 1978

Doctor of Sciences in 1961; Professor of Applied Geology at the École des Mines de Paris; Professor of Geology Applied to Public Works, at the École des Ponts et Chaussées; Founder and first editor-in-chief of the Bulletin.

Honorary president of the IAEG in 1978; advisory Professor of the Geomechanics Laboratory at the Institute of Geology of the Academy of Sciences in Beijing; Hans Cloos medal (1980); Leopold Von Buch medal of the Geological Society of Germany (1984); Jules Gosselet medal of the Geological Society of France (1989); Dr Honoris Causa of the Technical University of Prague (1982); Dr Honoris Causa of the Mining Institute of Saint-Petersburg (1993).

In these memoirs we must remember that Marcel Arnould was originally a geologist and that this has guided his career. Early on, he worked in the field doing research and geological mapping. He was awarded a Doctorate of Sciences in 1961 for his geological research on granites of the Ivory Coast. Marcel Arnould then turned his attention to applications of earth sciences in various areas: civil engineering, mining engineering, natural hazards,




land planning and environmental issues. He became a lecturer, and then Professor, of applied geology at the école des Mines de Paris. He was also Professor of Geology Applied to Public Works at the école des Ponts et Chaussées. Thus, within the School of Mines of Paris and the école des Ponts et Chaussées, Marcel taught many student classes and encouraged the students to discover geology and engineering geology.

In 1964 in New Delhi, Marcel Arnould was among those who founded the International Association for Engineering Geology (the IAEG), of which he was secretary general from 1964 to 1972 and then president from 1972 to 1978. He became honorary president in 1978 in recognition of his contribution to engineering geology and the academic development of this discipline (for more information, please refer to chapter 17). Marcel Arnould was the founder of the IAEG bulletin and the first editor-in-chief from 1970 to 1972, and then a member of the editorial board.

During this period, Marcel Arnould was the founder of the French national group of the IAEG, the Comité Français de Géologie de l'Ingénieur et de l'Environnement (CFGIE). He was vice president of the CFGIE from 1968 to 1972 (Jean Goguel was the then President), president from 1972 to 1975 and was honorary president from 1978. In recognition of Marcel's contribution to engineering geology, and the academic development of this discipline, in 2013 the IAEG created a Marcel Arnould medal, which is intended to reward people who, like Marcel Arnould, have promoted the development of engineering geology internationally and served the IAEG (for more information, please refer to chapter 16).

A universal message

The period that followed the creation of the IAEG was very exciting, with the creation of numerous national groups. The IAEG archives are a testimony to the progress that was made. At that time an



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A universal message

The period that followed the creation of the IAEG was very exciting, with the creation of numerous national groups. The IAEG archives are a testimony to the progress that was made. At that time an international scientific community was developed: a community with shared values not only at a professional level but also from a humanist perspective, given the generic objectives of engineering geology as a discipline.

It is useful to reflect back on this period, with its multiple exchanges at the international level. It led to a form of shared objectives for the engineering geology discipline, including a common approach to learning this discipline and agreement on the skills needed to develop expertise in engineering geology. Also defined at this time was a list of application domains, which were important for the creation of the Association because the list was required as part of the official documentation of the IAEG. The list was formally published in the national registry of the Association and the applications ranged from earth sciences to studies in civil engineering, geomaterials, land planning and also, more generally,

to the protection and preservation of the environment. The environment in 1964! At that time there was no sustainable development and no climate change, but already serious environmental issues were in gestation.

The authors of this article were not involved in the adventures described above but, after a few years of training, they were able, with the help of Marcel Arnould, to engage in national and international projects. Each time they did so, they found the same "design with nature" philosophy being put forward by different professionals describing engineering geology as Marcel Arnould, with the help of a few other pioneers, had promoted it. This intellectual engagement completely transcended any cultural barriers and, in the field, it is easy to really discover the universality of our professional design. It is important that we remember the general message that Marcel Arnould gave to us; we must pass it on to the next generation of engineers, those who will shape the future.

Marcel Arnould was granted the rank of honorary president in 1978 during the assembly general of the Association held in Madrid (Spain), based on the following proposition by WR Dearman:

"In 1964, at the IGC at Delhi, the IUGS Committee of Engineering Geology was set up, and its assignment was to launch an International Association of Engineering Geology. At a meeting on the 21 December 1964, chaired by Mr. A Shadmon as president, and Professor Arnould, as secretary, initial activities were outlined. Since that time, Professor Arnould has been active in this Association, without a break, as secretary until 1972 and afterwards as president, and he has been one of the main architects of the IAEG, guiding the Association skillfully through many difficulties.

Other associations, as ours, would be delighted to have idealists of such high standing in their ranks; without them they could not survive. And they would know how to value such idealistic activity and to secure for their own further benefit the experience of such personalities by offering them a so-called honorary presidency, with the right to vote within the framework of the executive board. The activity and initiative of our president who is now about to resign according to the statutes might rightly be taken as an example here, and the IAEG would not only be unwise, but in a sense unappreciative, if we did not follow the sound and approved custom of installing an "honorary president". Therefore, this motion was put before the present council and approved, and I now propose that this general assembly confirms the appointment of our resigning president, Professor Marcel Arnould, to the rank of first honorary president of the IAEG in recognition of his extraordinary merits".

The proposal was accepted unanimously.

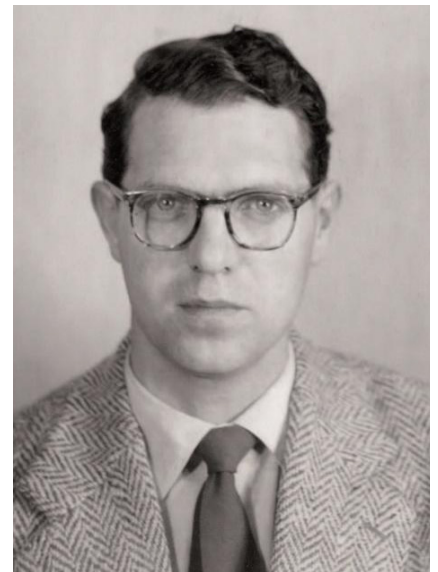


Photo Group of Some of the Participants Facing PETRONAS Twin Towers, the Tallest Twin Towers in the World

RICHARD WOLTERS:

Secretary General from
1972-1981

Richard Wolters entered the history of the world of engineering geology as an outstanding secretary general of the IAEG (1972 to 1981). His name is on a par with the names of the founders and first presidents of the IAEG: A Shadmon, Q Záruba, M Arnould and EM Sergeev. His work was responsible for the spectacular growth of the Association (growth in its membership, its publications and the number and quality of its scientific meetings), which he delivered in a perfect spirit of heartfelt and friendly cooperation.



At Montreal in 1972, Richard Wolters was elected as secretary general of the IAEG. From that time on there was a period of very active development of the Association including the creation of new national groups, cooperation between groups and mutual enrichment through the sharing of scientific ideas and experience. At Madrid (Spain) in 1978, Richard Wolters was unanimously re-elected as secretary general of the IAEG.

Wolters was an outstanding personality; "He selflessly gave himself to the noble cause of the unification of scientists the world over", EM Sergeev. He was devoted to the idea of international

GLORY AND DREAM: THE 60th ANNIVERSARY MEMOIRS

cooperation. "Doctor Wolters spared no effort in the performance of his duties and did not hesitate to sacrifice his own time. In all his offices, and especially in that of secretary general of the IAEG he successfully endeavoured not only to promote contacts, exchanges and discussions among his colleagues in all countries, but also to develop relationships that were always fruitful and often became deep friendships", Mr. Reiche, president of Geological Survey of North Rhine-Westphalia.

Wolters was also an optimist. He loved people; each person was important to him and he gave his respect, his assistance and his support to everybody. He was openhearted and his smile was radiant and shining. He attracted people to him and colleagues enjoyed meeting with him.

From the very beginning of the IAEG special attention was given to the idea of international cooperation. One of Wolters' main aims was to promote the creation of new national groups and to develop their activity. Through his personal efforts and intervention, he contributed to an increase in the number of IAEG national groups from 14 in 1972 to 42 in 1980. The acceptance of each group was heartily welcomed. The Association was open for individual and associate members. In his report in 1974, Wolters stressed, "Every member is important for the advancement of our aims and for engineering geology. In this connection we should consider that we are the Association of engineering geology and not for engineering geologists. Herewith it is evident that the IAEG stands open for all who are interested in engineering geology and are willing to support and promote the scopes and aims of the IAEG regardless of their training, education and their job".

On his numerous trips to North and South America, Asia, Australia, USSR, and to all European countries Wolters established and strengthened the contacts between engineering geologists and specialists from other branches of geology. This resulted in exceptional growth of the Association, with membership increased from 960 in 1972 to 4200 in 1980, and associate members from 21 in 1972 to 86 in 1980. Individual members were from 30 countries world-wide.

In June 1974, for the 10th anniversary of the IAEG, Wolters, as editor, published the first issue of the IAEG newsletter. It comprised of all information on IAEG activities including the minutes of the general assembly and council, financial reports, reports of the vice presidents, news from national groups, reports of commissions, greetings, obituaries, forthcoming events and so on. The newsletter was circulated all over the world and played an important role in the advancement of the IAEG.

Wolters was also editor of the IAEG Bulletin which had been published since 1970. This journal began to attract a growing number of published papers, which, combined with several

GLORY AND DREAM: THE 60th ANNIVERSARY MEMOIRS

volumes devoted to special current themes, led to greater numbers of subscribers.

In Paris (France) in 1980, Wolters made the following comments, "I feel that we have ... come up to one of the major aims of our Association which is to collect evaluate and disseminate results and failures in engineering geological activities from all over the world expeditiously and for the benefits of all".

Also, in Paris (France) in 1980, at a ceremony to award the Chevalier de L'Ordre National du Merite to Wolters, EM Sergeev said in his speech: "Doctor Wolters is not only a very talented organiser. I would like also to refer to him as a very prominent geologist and scientist. In April this year I had the pleasure of visiting the Federal Republic of Germany upon the invitation of Doctor Wolters. While touring the country together I had the opportunity of seeing and enjoying Dr. Wolters's profound knowledge of the geology of Germany. I would like to emphasise that Doctor Wolters is not only a capable field geologist but also an excellent experimenter. Lectures by Doctor Wolters delivered at the Moscow State University have remained unforgettable for us. They revealed to us his qualities as a top-rank scientific researcher... Doctor Wolters' work in, and for, the IAEG may hardly be overestimated".

"His success was so tangible, the council at Paris decided to make Richard Wolters the leader of the Association", said Marcel Arnould. Wolters was to have been elected president at the next congress of the IAEG. He was about to apply the culmination of his varied experiences as an engineering geologist for the benefit of others and planned to focus his efforts on the continuing expansion of the IAEG. Sadly, life disturbed these plans when Richard Wolters passed away in March 1981. He was struck down by a heart attack just a few weeks before the completion of his 60th year of life. His death was a shock for his family and his colleagues, for the IAEG and for his numerous friends the world over. Professor Leopold Muller wrote in appreciation of Richard Wolters, "The IAEG is tremendously indebted to him; without him, I believe it would not be today what it has come to be thanks to his untiring devotion, his incredible skill for negotiation and his ability to smooth over differences."



Photo Group of Some of the Participants Facing PETRONAS Twin Towers, the Tallest Twin Towers in the World

**GLORY AND DREAM:
 THE 60th ANNIVERSARY
 MEMOIRS**

On the occasion of the first anniversary of Wolters' death, EM Sergeev sent the following telegram to the Minister of the "Nordrhein Westfalen Land" Herren Doctor Riemer: "International community engineering geologists with deep sorrow marks anniversary death IAEG General Secretary Doctor Wolters. We honour memory Doctor Wolters worthy son German People outstanding scientist man organiser who selflessly gave himself completely noble cause unification mutual understanding scientists world over. President IAEG academic Sergeev."

In May 1982, Wolters was awarded the Hans Cloos Medal posthumously. The honorary president of the IAEG, Marcel Arnould, handed over the medal to Mrs Wolters and delivered an emotional speech devoted to Wolters in which he said, "In 1972 Doctor Wolters started his activity in the IAEG as secretary general. He neglected his own interests to devote himself to promoting international understanding. His work was responsible for the spectacular growth of our Association... This has given me a chance to speak to you in person, Mrs. Wolters, and to your children with sincere feeling. I was for ten years a witness of the professional life of your husband and father, of a life that often kept intruding on his family life, and having known him well I can say to you: be proud of him. You, German colleagues, too: be proud of him. We join in your pride".



From left to right: Quido Záruba, Marcel Arnould and Richard Wolters

In 1984, the Moscow Council supported the proposal of D Price and V Shibakova to create an IAEG prize named after Richard Wolters. The Richard Wolters Prize was formally established in 1986 in Buenos Aires (Argentina) to commemorate the life and work of Richard Wolters. The prize is awarded to younger members of the engineering geological profession for meritorious scientific achievements (for more information, please refer to chapter 15).

In 1996 the IAEG celebrated the 75th anniversary of the birth of Richard Wolters at a special meeting. The activity of the IAEG, and in equal degree the activity of its leaders, has succeeded in developing the scientific and technical potential of all fields of engineering geology the world over. Moreover it has reinforced in every country the role played by engineering geology in ensuring improved use of land and better protection of the environment. It is with this context that it is possible to understand, and not to underestimate, the importance of the activity of Richard Wolters, an outstanding secretary general, an outstanding personality and a man who was always in a hurry to do good.

**GLORY AND DREAM:
THE 60th ANNIVERSARY
MEMOIRS**



200 m descent with switchbacks. Road under construction through Serra da Leba (south of Angola) in early seventies. Excavated rocks were used to construct shallow masonry walls and after vegetation recolonised the earth works, the road became well integrated into the mountain landscape

/1. NEWS OF EXECUTIVE COMMITTEE

14th Asian Regional Conference Successfully Held

The 14th Asian Regional Conference of IAEG concluded successfully in Kuala Lumpur, Malaysia. Hosted by University Technology Malaysia from February 26th to 29th, 2024, the conference drew 170 professionals from 17 countries and featured 10 keynote speakers and 30 distinguished lecturers.

The event was officiated by YBhg. Dr. Ching Thoo A/L Kim, Secretary-General of the Ministry of Natural Resources and Environmental Sustainability. Organized by the Society for Engineering Geology and Rock Mechanics Malaysia (SEGRM), the conference provided a collaborative platform for sharing insights on “Engineering Geology and Geotechnics for Disaster Resilience.” Dr. Vassilis Marinos, the president of IAEG, delivered a speech on the opening ceremony.



Officiated Speech by YBhg. Dr. Ching Thoo A/L Kim



Speech by President of IAEG, Dr. Vassilis Marinos

Highlighting seven sub-themes, such as Geological Hazards and New Technology in Engineering Geology, participants engaged in a rich program that included short courses, workshops, technical visits, and exhibitions. Datuk P. Geol. Zamri Bin Ramli and other notable speakers delivered thought-provoking keynotes on various topics from landslide mitigation to AI in geology.



Official Speech by YBhg. Dr. Ching Thoo A/L Kim

A pre-conference symposium addressed advances in geohazard risk management, while special sessions facilitated discussions on disaster risk reduction. Post-conference activities included field trips to local geological sites, further enriching the educational experience for attendees dedicated to enhancing community resilience against natural disasters.



Post Conference Field Trip at Batu Caves, Kuala Lumpur



Speech by President of IAEG, Dr. Vassilis Marinos



Post conference group photo in front of Gallery Batu Arang



Participants during the conference

1.

NEWS OF EXECUTIVE COMMITTEE

Asian National/Regional Group Meeting During the 14th Asian Regional Conference

The meeting of the Asian National/Regional IAEG Groups was held on February 26, 2024, at University Technology Malaysia (UTM). The meeting provided updates post-Chengdu and fostered discussions on matters such as membership status, group activities, young and women engineer involvement, and potential for regional symposiums. Representation from Malaysia, India, Korea, China, Japan, Bangladesh, Nepal, Singapore, Indonesia, and Mongolia solidified the conference's role as a nexus of collaborative expertise.

Dr. Ranjan Kumar Dahal, IAEG Vice President for Asia, addressed the gathering alongside Prof Dr. Yong-Seok Seo, heartening all nations to partake in discourse and decision-making regarding the highlighted agendas.

From Bangladesh, Professor Dr. ATM Shakhawat Hossain shared his national group's commitment to engage young geologists and expand membership beyond traditional confines. Meanwhile, Dr. Stratis Karantanellis and Dr. Ann William provided insights on IAEG fees and the need to consider economic disparities among members, suggesting online alternatives as more financially accessible platforms.

The contributions of women in the field were particularly noted, with Malaysian universities and projects employing a significant number of professional women geologists. The meetings highlighted IAEG's efforts in making the geosciences inclusive and supportive for all members.

Dr. Antony Baden from Australasia promoted the initiation of training courses to attract and nurture young talents within the regional groups. Moreover, there was a collective move towards revising the YEG age limit and potentially setting it to under 35 years to better support young professionals in the field.

The conference outcomes, including heightened international cooperation and the emphasis on training and accommodating young members, reiterate IAEG's commitment to the advancement of engineering geology across Asia.



Speech by President of IAEG, Dr. Vassilis Marinos



IAEG Vice President Ranjan Kumar Dahal Advances Engineering Geology in Cambodia

1.

NEWS OF EXECUTIVE COMMITTEE

Dr. Ranjan Kumar Dahal, the Vice President of Asia of IAEG, recently undertook a significant visit aimed at promoting the field of engineering geology. From February 23 - 26, 2024, Dr. Dahal visited Cambodia with the goal of establishing an IAEG National Group, followed by participation in the 14th Asian Regional Conference of IAEG in Kuala Lumpur, Malaysia, from February 26 to 29.

During his time in Cambodia, Dr. Dahal initiated critical discussions with local geologists and hosted a workshop at the Institute of Technology Cambodia (ITC) in Phnom Penh. The workshop focused on engineering geology's role in the region and the formation of a new IAEG National Group. Attendees included deputy directors, deans, and lecturers of ITC, showcasing the collective endeavor to bridge the professional gap for engineering geologists in Cambodia.

Dr. Eng Chandoeun, the Dean of Faculty of Geo-resources and Geotechnical Engineering at ITC, led the event and welcomed Dr. Dahal, who elaborated on the myriad benefits of establishing the IAEG National Group in Cambodia. Emphasis was placed on supporting the development of Young and Women Engineering Geologists, as well as fostering international collaboration through events, publications, and educational initiatives.

Furthermore, Dr. Dahal presented on strategies for professional development and encouraged Cambodian engineering geologists to contribute to prominent journals like the Bulletin of Engineering Geology and the Environment. He guided members on the procedural aspects of forming the national group and extended an invitation to upcoming IAEG events such as EUROENGEOL in Croatia.

The visit provided an invaluable platform for networking and knowledge exchange, leading to the formation of a WhatsApp group among Cambodian professionals to discuss future steps. Dr. Dahal requested that an application for the new national group be submitted to IAEG by the end of April.

Included in the report are photographs documenting the Cambodian meeting and site visits, which highlighted the geotourism potential of Kampong Trach Mountain Park.

Dr. Dahal's visit and the ensuing discussions charted a path for robust progress in engineering geology, elucidating the vital role of international partnerships and professional societies in leveraging and nurturing expertise within the region.

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1.

NEWS OF EXECUTIVE COMMITTEE



Dr. Ranjan on the meeting with Cambodian Local Geologists



Dr. Ranjan on the meeting with Cambodian Local Geologists

1.

NEWS OF
EXECUTIVE
COMMITTEE

IAEG Vice President Janusz Wasowski Visited AGH University of Science and Technology in Krakow, Poland

The Vice President for Europe Janusz Wasowski visited the AGH University of Science and Technology in Krakow, Poland on February 22, 2024. The former Polish National Group has not been active for many years, and Janusz is reaching out to our colleagues in Poland to facilitate the establishment of a new Polish National Group established in the near future.



Photo of Janusz Wasowski's Visit to the AGH University in Poland

During his visit at the AGH University of Science and Technology, Janusz had a meeting with Prof. Matyszkiewicz, the Dean of the Faculty of Geology, Geophysics, and Environmental Protection, and Prof. Krapiec, a member of the faculty. They discussed the way towards the establishment a new Polish National Group of IAEG. Prof. Matyszkiewicz introduced their faculty, ranked No. 1 in geological studies in Poland, with the largest number of scientific staff in the field of Earth sciences in Poland; there are currently about 1000 students. Then, Janusz made a power point presentation to introduce IAEG and highlight the membership benefits to the faculty members and PhD students.

The faculty members seem very much interested in the idea of joining IAEG and re-establishing a Polish NG. The Dean, Prof.

1.

**NEWS OF
 EXECUTIVE
 COMMITTEE**

Matyszkiewicz, recognizes that joining the IAEG can bring many benefits, among others, fostering the AGH University international collaborations and "internationalization" education strategy. Both Prof. Matyszkiewicz and Prof. Krapiec know the former president of IAEG Polish National Group, Prof. Dobak (University of Warsaw), and they are optimistic about reaching an agreement with Prof. Dobak to combine their engineering geology groups, so that they can establish a new Polish NG.

The Dean invited Janusz to attend one of the upcoming Faculty meetings at the AGH University of Science and Technology to contribute to the discussion about the AGH University international collaborations and "internationalization" education strategy. There is a possibility that also the President of IAEG, Vassilis Marinos, will join him. We will keep you posted on the progress of regional promotion from the Vice President.

Former Web Editor in-Chief Received Honorary Membership at 6th WLF

Prof. Giorgio Lollino, the former Web Editor-in-Chief of IAEG received the certificate of Honorary Membership during the 6th World Landslide Forum held on November 14-17th, 2023. Giorgio Lollino and Paolo Allasia have been awarded the Honorary Membership by the Council in 2023 for their great contributions to IAEG website. President Vassilis Marinos presented the certificate to Giorgio, expressing special thanks to him for his dedication, creativity and hard works for more than 10 years. IAEG always appreciated Prof. Giorgio Lollino and Dr. Paolo Allasia's strong collaboration and valuable friendship.



Prof. Giorgio Lollino Received the Certificate of Honorary Membership at 6th WLF

1.

NEWS OF
EXECUTIVE
COMMITTEE

IAEG Secretariat Working Meeting

On March 29, 2024, the IAEG Secretariat held a working meeting. IAEG Secretary-General Faquan Wu led the meeting together with team members of the secretariat.

The monthly working meeting focus on discussions on the IAEG's daily operations, upcoming preparations for the IAEG's 60th Anniversary celebrations, plans for the 2024 mid-term working meeting in Greece, and the collection of the 2024 IAEG Awards candidates.




Monthly Working Meeting of IAEG Secretariat

/2. WEG ACTIVITY

Chair of WEG Is Appointed

It is approved by the IAEG Council at the 2023 Council Meeting in Chengdu, China to establish a Women in Engineering Geology Group. The Executive Committee has voted to create a new position WEG Chair in IAEG Executive Committee as ex-officio member. Ann Williams is voted to be appointed as the Chair of Women in Engineering Geology Group.

ANN WILLIAMS (Beca, New Zealand)



Who am I?
 A Beca Technical Fellow in the fields of engineering geology and hydrogeology, a geotechnical and infrastructure people and business manager, a Board member, a collaborator and a colleague; an advocate for our profession for more than 30 years

What drives me?
 Always learning, growing great people to have amazing careers, fresh collaborative thinking to problem solve, bringing diverse people and skills together

WOMEN IN ENGINEERING GEOLOGY (WEG)

Introduction of WEG Chair

The First Online Meeting of WEG

WEG held their first meeting last week online, focusing on the advancement of diversity and inclusion within the geoscience sector, the chair of WEG Ann Williams led the first meeting. During the meeting, a prominent presentation on diversity and inclusion was given by Jean Hutchinson, which has been shared with the group for further insight. in Engineering Geology Group.

Some comments from the session:

- Women graduate but find an environment not encouraging for retention
- We have a role in promoting women to stay in our industry - what can we do to help people to stay?
- There was some discussion around superstition preventing women participating in underground/ tunnelling activities and remote field work – perhaps arising from historical practicalities? Commentary also on thinking laterally around alternative/ adjacent roles in tunnelling
- This group can also be used for mentoring and networking
- 'Count her in' was the International Women's Day 2024 theme: **International Women's Day 2024: Count Her In. Invest in Women. Accelerate Progress.** | Department of Social Services, Australian Government (dss.gov.au). Often decisions are made on behalf of women without giving them the opportunity to choose or work through whether a situation or opportunity can be made to work for them.

What would success look like?

- >30% female participation in engineering geology courses and conferences
- International/ Regional conferences with

2.

WEG ACTIVITY

more women (of all ages) chairing and delivering keynotes and with broad geographic representation

- An organisation and industry in which women are counted in

What might we do to make this happen?

- WEG led sessions at all IAEG sponsored conferences
- A WEG led conference? We are used to participating in conferences led by men – what would a female led conference look like?
- Workshops addressing issues such as safety, inclusivity, ethics, advocacy for equality
- Support campaigns in universities to better target women
- Involvement at high school level and provide mentoring to young women

Specific Actions:

- WEG Session at EUROENGEО 2024
- WEG members chairing and delivering key notes at all IAEG sponsored events and EUROENGEО 2024 in particular
- At least four WEG meetings over the next 12 months
- Career profiles of WEG members shared within WEG and on LinkedIn

WEG at the 14th Asian Regional Conference

• Women in Engineering Geology

The International Association for Engineering Geology and the Environment (IAEG) is committed to **increasing the involvement and inclusion of women** in the activities and opportunities of the Association. This is part of a wider drive to build diversity in the organisation, to give equal opportunity to all of our members.

As a first step, the Executive has voted to establish a Women in Engineering Geology Group (WEG), and a Women in Engineering Geology Committee (WEGC).

The inaugural meeting of Women in Engineering Geology was held at the **14th Asia Regional Conference of the IAEG in Malaysia, 26 February 2024.**

Assoc. Prof. Ir. Dr. RINI ASNIDA ABDULLAH (Department of Geotechnics & Transportation, Universiti Teknologi Malaysia) shared her career journey – a real inspiration to the mostly young (Young Engineering Geologists, YEG) meeting participants.

Ann Williams (consultant engineering geologist, Past VP IAEG and Manager Geotechnical with the firm Beca Ltd based in New Zealand) emphasized the difference between equality (all of the people in the room are able to be members of IAEG) and equity (the opportunity for women to participate in IAEG events, take leadership positions and be keynote speakers in IAEG sponsored


2.

WEG ACTIVITY

conferences) and that the need for WEG arises out of the need to intervene to achieve equity for women both in the organisation of IAEG, but also in the carrying out of their roles as Engineering Geologists.

An open mic session followed. Some key themes were:

- Women tend to be more reserved than men and less likely to "self-promote"
- Women tend to work harder and go to greater lengths to do a "good job"
- In Malaysia, some 70% of engineering geologists in universities are women, so there is no shortage of women trained as Engineering Geologists
- There are different cultural impediments for women on going to site. This included the observation that some construction companies, in some countries, continue to harbour superstitions around women entering tunnels
- We should be "measuring" progress in diversity in IAEG.



INTERNATIONAL ASSOCIATION FOR
ENGINEERING GEOLOGY
AND THE ENVIRONMENT
ASSOCIATION INTERNATIONALE DE
GÉOLOGIE DE L'INGÉNIEUR
ET DE L'ENVIRONNEMENT

SEGRM
SOCIETY OF ENGINEERING GEOLOGISTS
AND REMEDIATION SPECIALISTS

14TH ASIAN REGIONAL
CONFERENCE OF IAEG
KUALA LUMPUR, MALAYSIA
27 FEB - 29 FEB 2024
ENGINEERING GEOLOGY AND GEOCHEMISTRY FOR GREATER RESILIENCE

Women in Engineering Geology Committee

Ann Williams
ann.williams@beca.com



2.

WEG ACTIVITY



Introduction of WEG Chair

2.

WEG ACTIVITY

- **International Women's Day**

The theme of **International Women's Day**, 8 March 2024 was **"Invest in Women: Accelerate Progress"**, and the WEG added the power of their collective voices to the conversation via LinkedIn. Seeking equity in our industry with removal of superstition, bias and inappropriate work environments, but also recognition that investment in women will accelerate the sustainability of our workforce, communities and economies worldwide.



Post of WEG on International Women's Day

/3.

YEG ACTIVITY

YEG at the 14th Asian Regional Conference

The 14th Asian Regional Conference on Engineering Geology was a notable gathering that brought together leading academics, practicing professionals, and young aspiring geologists from the Asian region and beyond. The conference aimed to share knowledge, foster collaborations, and discuss the latest advancements in the field of engineering geology.



The conference attracted a significant number of young engineering geologists, evident from the registration database and participation in various sessions. The young participants hailed from several nations within Asia, showcasing a diverse geographical representation. Young professionals actively contributed to the conference by presenting papers and posters on various pertinent topics, such as geological risk assessment, sustainable geotechnical practices, and innovative research methodologies. Several sessions highlighted the research work of young geologists, indicating the community's vibrancy and academic rigor. Workshops dedicated to contemporary techniques in engineering geology and hands-on training sessions were well-received by young attendees, who found these programs

enriching and crucial for their skill development. The conference provided a fertile ground for networking. Young professionals engaged with industry, fostering mentorship opportunities and potential collaborations for future projects and research.

Despite the vigorous participation, some young professionals reported difficulties in securing funding to attend the conference. Additionally, there was a call for more tailored sessions to address the unique challenges and career development needs of young engineering geologists. Our goal is to establish a dedicated fund or sponsorship program to support the attendance of young professionals at future conferences. Additionally, to create special interest groups within the conference framework to provide targeted support and networking for young geologists. Encourage the submission of papers and research by young professionals by offering awards or recognition for outstanding contributions. Last but not least, to organize career development workshops that concentrate on skill-building, career planning, and industry integration for young engineering geologists.

The Young Engineering Geologists' presence at the 14th Asian Regional Conference in Kuala Lumpur was marked by enthusiasm, active participation, and substantial academic contributions. These young professionals not only benefitted from the richness of the conference program but also provided fresh perspectives and innovative ideas to the field of engineering geology. Continued support and focus on nurturing the development of these young talents will be essential for the progress of the discipline in future years.

3.

YEG ACTIVITY

Call for YEG candidates

Are you interested to join our expanding network and collaborate on fruitful ideas related to Engineering Geology and the Environment? We are waiting for you!

The Young Engineering Geologists Committee was formally established by the IAEG council in 2016 and recognizes the younger (under 40) members of the IAEG. We are seeking new members for a 2-year term.

The YEG Committee is focused on promoting activities and engagements for younger members of IAEG as well as providing services to the young members.

For more information visit our website: <http://www.iaeg.info/yegs>



Young Engineering Geologists (YEG)

The YEGs are the active young member (under 40 years old) chapter of the IAEG. The YEG membership is represented by a dynamic network of YEG representatives from many regions around the world which form the local YEGs or national representatives. The Management Committee is the main core of the YEG network and they are responsible for the YEG outcome. Our goal is to promote the interests of young members and their involvement within the IAEG, by facilitating networking and organizing relevant events around the world. All under 40 Geo experts are invited to join our group.

Our objectives

- Provide worldwide leadership in Engineering Geology
- Be the voice of the international Engineering Geology profession
- Support, foster and communicate research, innovation and the practice of Engineering Geology
- Promote education and training in Engineering Geology and provide support to the profession
- Promote professional standards in Engineering Geology and provide networking opportunities for Engineering Geologists

Networking

- Facebook: <https://www.facebook.com/YEG.IAEG>
- Twitter: <https://twitter.com/realYEGs>
- YouTube: <https://www.youtube.com/channel/UC3MMLvyN4nAwg2ZDSmiXVlg>

3.

YEG ACTIVITY

How to Apply:

We are seeking current IAEG members under the age of 40 who want to be part of the international association which provides global leadership in Engineering Geology, facilitates professional development and to make new friends around the world. Your application needs to include:

How to become a member of the YEG-IAEG

- Short video presentation (5-10 minutes)
The video should introduce yourself and your background and cover your proposed initiatives, ideas, and actions for the role.
- Short resume (2-3 pages)
- Official letter from National IAEG Group or the Vice-President of the region (Letter of support from the National Group of the candidate signed from the President)

Applications have to be submitted electronically to the YEG email (iaeg.yeg@gmail.com) by 31st of January 2024. We especially encourage young female IAEG members from Africa and North America to apply.

Online Lecture by YEG Chair

YEG President Stratis karantanellis was invited by Czech National group to give an online lecture titled 3D Landslide Sensing on March 8, 2024.

It is available to watch the video by https://drive.google.com/file/d/1X9dgQJQCLA7hfwdi5cqshw_qtHeUy3Hp/view.



The video of YEG President Stratis karantanellis on the Invited Online Lecture

3.

YEG ACTIVITY

E-YEG Webinar

The group of Young Engineering Geologists (YEG) – IAEG invites you to the 17th series of “e-YEG” webinars with invited lectures from Dr. Hans-Balder Havenith & Dr. Yahui Zhang.
Event Timing: ThXXXXursday 25th April 2024, @ 13:00 UTC (GMT)

Titles and Speakers:

- "How to visualize cascading hazards triggered by earthquakes in mountain regions" by Prof. Havenith
- "Numerical data interpretation of the sheared fault gouge" by Prof. Zhang

Registration needed: <https://forms.gle/BCehogrAsBZV3SQN6>

For any problems or questions, please contact us --> iaeg.yeg@gmail.com

Speaker
HANS-BALDER HAVENITH
 Head of the Georisk & Environment group at Liege University

E-YEG WEBINAR

Thursday, 25 April, 2024 13:00 CET

Speaker
YAHUI ZHANG
 Professor at China University of Geosciences (Wuhan), China

CLICK TO REGISTER

/4. CALL FOR 2024 MEMBERSHIP

IAEG secretariat is calling for 2024 membership. By April, 30th,2024, the number of IAEG membership is reaching to 4203 from 70 national/regional groups.

VP	No.	NG	total	Associate members
Anthony Bowden	1	Australia	470	
	2	New Zealand	585	
Janusz Wasowski	3	Albania		
	4	Austria		
	5	Bulgaria	10	
	6	Croatia		
	7	Cyprus		
	8	France		
	9	Georgia	14	
	10	Greece		
	11	Hungary		
	12	Italy		
	13	Portugal	64	
	14	Romania		
	15	Serbia		
	16	Slovenia	43	
	17	Spain	25	
	18	Switzerland	58	
	19	Turkey	135	
Helen Reeves	20	Belorussia	7	
	21	Netherlands	28	
	22	Lithuania	9	
	23	The United Kingdom		
	24	Belgium		
	25	Czech Republic	28	
	26	Denmark		
	27	Estonia		
	28	Finland		
	29	Germany	449	
	30	Iceland	12	
	31	Ireland		
	32	Norway		
	33	Poland		
	34	Russia	85	
	35	Slovak Republic		
	36	Sweden	47	
	37	Uzbekistan		
Moshood N. TIJANI	38	Algeria	5	
	39	Nigeria	109	

	40	South Africa		
Julien Cohen-Waeber	41	Canada	91	
	42	USA	200	
Victor Manuel	43	Argentina		
	44	Bolivia		
	45	Brazil	450	
	46	Chile	52	
	47	Colombia		
	48	Costa Rica		
	49	Mexico	12	
	50	Paraguay		
	51	Peru	10	
Ranian Kumar Dahal & YongSeok SEO	52	Bangladesh		
	53	China	595	
	54	Chinese Taipei		
	55	HongKong	7	
	56	India	231	
	57	Indonesia		
	58	Iran		
	59	Iraq	10	
	60	Japan		
	61	Korea	83	
	62	Malaysia	11	
	63	Mongolia	22	
	64	Myanmar		
	65	Nepal (NGS)		
		Nepal (NSEG)	243	
	66	Singapore		
	67	SEAGS	3	
	68	Vietnam		
69	Bhutan			
70	Pakistan			
Individual Member				
Associate Member				
Total			4203	



/5. CALL FOR 2024 IAEG AWARDS



The IAEG Secretariat invites nominations for the **Hans Cloos Medal**, **Marcel Arnould Medal**, **Richard Wolters Prize**, and **Honorary Membership** for the year 2024. These honors are awarded biennially to our outstanding members for their significant contributions.

Nominees for the Hans Cloos Medal and Marcel Arnould Medal must be submitted to the Secretary General by April 1, 2024. Nominations for the Richard Wolters Prize are due by June 15, 2024.

To nominate a member, please provide the following documents: a copy of the nominee's curriculum vitae, a statement of support for the nominee, and a list of three significant publications authored by the nominee.

The recipients of the Hans Cloos Medal and Marcel Arnould Medal will be chosen by the executive committee, with an announcement to be made by June 1, 2024. The Richard Wolters Prize will feature a competition, details of which will be arranged by the jury and announced in due course in 2024.

For Honorary Membership nominations, a copy of the nominee's curriculum vitae, and a recommendation letter from a national or regional group, or an executive committee member is required. The executive committee will select the honoree, and the announcement will follow the 2024 council meeting.

Please click the link below for the detailed information:

<https://www.dropbox.com/scl/fo/3sok21pbf8z6y18bd6rrn/h?rlkey=awx2jaazlvaj8w61ol8tgbwwk&dl=0>.



INTERNATIONAL ASSOCIATION FOR
**ENGINEERING GEOLOGY
AND THE ENVIRONMENT**
ASSOCIATION INTERNATIONALE DE
**GÉOLOGIE DE L'INGÉNIEUR
ET DE L'ENVIRONNEMENT**

Professor Faquan Wu
IAEG Secretary General
Shaoxing University
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Zhejiang Province, 312000, China
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President	As. Professor Vassilis Marinos
Past President	Prof. Rafiq Azzam
Secretary General	Prof. Wu Faquan
Treasurer	Dr. Jean-Alain Fleurisson
Vice Presidents:	
Africa	Prof. Moshood Niyi Tijani
Asia	As. Prof. Ranjan Kumar Dahal
	Prof. Yong-Seok SEO
Australasia	Mr. Anthony Bowden
Europe	Dr. Janusz Wasowski
	Dr. Helen Reeves
North America	Dr. Julien Cohen-Waeber
Latin America	Prof. Victor Manuel Hernandez Madrigal

CALL FOR NOMINATIONS OF IAEG HANS CLOOS MEDAL FOR 2024

All National/Regional Groups, the members of Executive Committee and the Council,

This is to call for the nominations of Hans Cloos Medal for 2024. This medal, awarded biannually, is the senior award presented by IAEG, given to an engineering geologist of outstanding merit in commemoration of the "founder of geomechanics". The recipient should therefore be a person of international repute who has made a major contribution to engineering geology.

Candidate should be member of IAEG. Nomination will normally be made by a National/Regional Group but members of the Executive Committee and Council may also propose individuals. The Nomination should be sent to the Secretary General before April 30th, 2024 including the following documents:

- a copy of the nominee's curriculum vitae.
- a list of publications, identifying the three most important papers.
- a statement of support for the nominee which should not be longer than two A4 pages.

The winner, selected by Executive Committee, will be announced before June 1st, 2024.

For more information, please refer to Bylaws Part E. Awards and Prizes.

Best regards,

President
Vassilis Marinos

Secretary General
Faquan Wu



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North America	Dr. Julien Cohen-Waeber
Latin America	Prof. Victor Manuel Hernandez Madrigal

CALL FOR NOMINATIONS OF IAEG MARCEL ARNOULD MEDAL 2024

All National/Regional Groups, the members of Executive Committee and the Council,

This is to call for the nominations of Marcel Arnould Medal for 2024. This Medal is named after one of the founders of IAEG, the former President and Honorary President, Marcel Arnould, and awarded to an IAEG member who has made a significant contribution to the engineering geology profession in their region and given outstanding service to the Association.

The candidate should be member of IAEG. Nominations will normally be made by National/Regional Group but members of the Executive Committee and Council may also propose individuals.

The Nomination for the candidate should be sent to the Secretary General before April 30th, 2024 including the following documents:

- a) a copy of the nominee's curriculum vitae.
- b) a statement of support for the nominee which demonstrates the candidate's service to the IAEG and to the engineering geological profession in his/her region and/or given outstanding service to the Association. The statement should not be longer than two pages A4 paper.

The winner, selected by Executive Committee, will be announced before June 1st, 2024.

For more information, please refer to Bylaws Part E. Awards and Prizes.

Best regards,

President
Vassilis Marinos

Secretary General
Faquan Wu



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	Dr. Helen Reeves
North America	Dr. Julien Cohen-Waeber
Latin America	Prof. Victor Manuel Hernandez Madrigal

CALL FOR NOMINATIONS OF IAEG RICHARD WOLTERS PRIZE 2024

All National/Regional Groups, the members of Executive Committee and the Council,

This is to call for the nominations of Richard Wolters Prize. This prize is awarded biannually to commemorate the life and work of Dr. Richard Wolters for his significant achievements in the advancement of engineering geology and the development of IAEG. The candidates should be members of IAEG and less than 35 years of age on January 1st 2024.

The Nominations for the candidates should be sent to the Secretary General before June 15th, 2024 including the following documents:

- a) a copy of the nominee's curriculum vitae.
- b) a list of publications, identifying the three most important papers.
- c) a statement of support for the nominee which should not be longer than two A4 pages including confirmation that the candidate will attend the contesting for the prize.

The competition for selecting the winner will be organized by the Jury and the date will be announced at proper time in 2024.

For more information, please refer to Bylaws Part E. Awards and Prizes and the attached RWP procedure.

Best regards,

President
Vassilis Marinos

Secretary General
Faquan Wu



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	Dr. Helen Reeves
North America	Dr. Julien Cohen-Waeber
Latin America	Prof. Victor Manuel Hernandez Madrigal

CALL FOR CANDIDATES OF IAEG HONORARY MEMBERSHIP FOR 2024

All National/Regional Groups, members of the Executive Committee and the Council,

This is to call for nominations of Honorary Membership for 2024.

According to statement in the Bylaw, Honorary membership is proposed by the Executive Committee on grounds of exceptional services to the Association. Approval by the Council is needed by a two-third majority vote. Propositions refer to members with no current activities within the Executive Committee of the Association. Propositions should be given by a well documented report from one of the National/Regional Groups or one of the members of the Executive Committee.

Honorary members are listed separately in the directory of the Association and are not required to pay membership fees.

Please send the following materials to the Secretary General before April 30th, 2024:

- A recommendation letter introducing the candidate by one of the National/Regional Groups or one of the members of the Executive Committee;
- A CV of the candidate.

The result, selected by Executive Committee, will be announced after the 2024 Council Meeting.

Best regards,

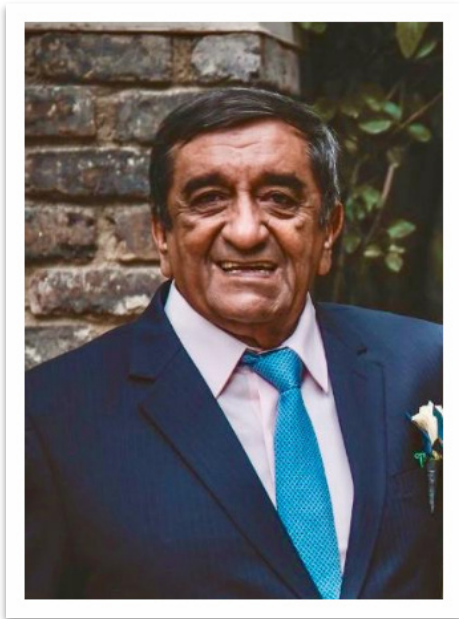
President
Vassilis Marinos

Secretary General
Faquan Wu

/6.

NEWS OF NATIONAL / REGIONAL GROUPS

— OBITUARY —



FAISAL SADUD QUINTEROS, PH.D.
(DOB: 07.17.1949 – DOD: 01.05.2024)

We deeply mourn the sad demise of our beloved President and colleague.

Faisal Sadud Quinteros, Ph.D., was born in Vallegrande town, region of Santa Cruz, Bolivia, into a family of Arab migrant father and Bolivian mother. His primary studies were carried out in Vallegrande and his University studies were completed at the Universidad Mayor de San Andrés in La Paz city, concluding with his PhD at Cambridge International University.

Trained as one of Bolivia's first geotechnical engineers, he taught at several universities from an early age including the Gabriel Rene Moreno Autonomous University, the Catholic University of Bolivia San Pablo and the Military School of Engineering, in addition to participating in teaching postgraduate courses.

He has been a member of numerous distinguished professional associations including the Bolivian Society of Engineers (SIB), the International Society of Rock Mechanics (ISRM) and the International Association for Engineering Geology and the Environment (IAEG) where he assumed the presidency for the Bolivian Group.

He participated in various national and international congresses and conferences where he has been invited numerous times as a speaker; attending and exhibiting at meetings in South America, North America and Europe. At the national level, he was invited as a lecturer on several occasions, characterized by promoting research.

His extensive professional career includes participation in oil projects, flowlines, tunnels, bridges, highways, airports, power and hydroelectric plants, various buildings and industrial projects.

Remembered by friends and colleagues, Mr. Faisal Sadud Quinteros Ph.D. has been highly admired and respected in his professional field.

Provided By
David Vasquez
Secretary of IAEG Bolivian Group



/6.

NEWS OF NATIONAL / REGIONAL GROUPS



AUSTRALIA

A special edition of the Australian Geomechanics Journal focusing on engineering geology in Australia is scheduled for publication in September 2024.

Engineering geological field trips:

- **Engineering Geology of the Central Coast, New South Wales:** In April we have organised an excursion will explore the lower Triassic sequence of the Sydney Basin, from the Munmorah Conglomerate to the top of the Narrabeen Group, which dominates the geological conditions from the northern Hawkesbury to southern Lake Macquarie, as well as extensive areas of the Upper Hunter, Wollemi, Blue Mountains and south of Sydney. It will focus on the Central Coast region, where the Narrabeen Group sandstones are less dominant, and formations of finer sediments dominate. It will begin with an inspection of the Munmorah ortho-conglomerate rock platform at Frazer Beach, then move on to Terrigal to examine the Terrigal Formation and its behaviour in the local sea cliffs. From there it will progress to Putty Beach to inspect some classic examples of tessellated pavements, and some of the most spectacular weathering expressions in the Sydney Basin. It will conclude with a brief inspection of the Mangrove Mountain water storage dam.

- **Engineering geology of Perth, WA:** In April, this field trip aims to educate and inform practitioners on the varying geological conditions in Perth. Various rock and soil formations will be viewed from Archaean to Quaternary in age. Our fieldwork leaders will provide an interpretation of the geological history, extent and features of each formation, along with the construction hazards and opportunities associated with them. We will visit an iconic beach location where many of the features of Tamala Limestone can be seen. Lunch will be held at a winery under cliffs of the Guildford Formation. We will also visit a historic

- **Blue Mountains, New South Wales:** In August or September we have organised a field trip to the world heritage listed Blue Mountains National Park to observe and learn about the stratigraphy and engineering characteristics of the Permo-Triassic rocks.

Social events:

- **Melbourne:** In July we will host a cocktail party to bring together engineering geologist from around the state of Victoria. We expect that Ann Williams the leader of our Women in Engineering Geology group will be our guest speaker.
- **Brisbane:** In July we will host a cocktail party to bring together engineering geologist from around the state of Queensland. We expect that Ann Williams the leader of our Women in Engineering Geology group will be our guest speaker.

****Chinese Taipei Regional Group****

16th Taiwan Rock Engineering and Engineering Geology Symposium (TREEGS), NYCU, Hsinchu, Taiwan (October 19th-20th, 2023)

16th TREEGS was held by Department of Civil Engineering and Disaster Prevention and Water Environment Research Center, National Yang Ming Chiao Tung University, as well as Taiwan Geotechnical Society. The participants are more than 200 includes professors, academic researchers, students and engineers of engineering consulting companies. Four keynote speeches:

- Academician Bernard Amadei (National Academy of Engineering, US) Engineering for a Volatile, Uncertain, Complex, and Ambiguous World;
- Prof. Tien, Yong-Ming (National Central University) Anisotropic Behavior of Rock Engineering;
- Prof. Lin, Ming-Lang (National Taiwan University) Engineering Geology Model Methodology with the Site Properties of Geological History;
- Prof. Yasuhara, Hideki (Kyoto University, Japan).

Ten sessions in four themes were organized as (A) Rock Mechanics with 11 conference papers, (B) Rock Engineering with 21 conference papers, (C) Engineering Geology with 38 conference papers, (D) Geologic Resource with 3 conference papers. Besides, one forum for Rock Slope Disaster Prevention and two essay competition for PhD and Master students were held. In the closing ceremony, the 17th TREEGS will be hold at National Chung Hsing University.



Academician Bernard Amadei Prof. Tien, Yong-Ming Prof. Lin, Ming-Lang Prof. Yasuhara, Hideki



The video of YEG President Stratis karantanelis on the Invited Online Lecture

The Black Friday Party on October 13, 2023

Eighty participants attended 2nd Black Friday Party in 2023. The attendees included graduate students, geotechnical and geological engineers, professors, and government's staffs. There are three parts in this party: October birthday celebration, two professional issue's discussion, as well as the free interaction and exchange.

Two professional issues:

- (1) An introduction and discussion of Tilted, sinking buildings in Dazhi, Taipei City, September 8 2023. The host is a professional geotechnical engineer, Chih-Hung Shih.
- (2) Traditional Chinese version of Engineering Geological Models Guidelines was introduced by Professor Dong, Jia-Jyun, National Central University.



Fig. 2 Group photo of The Black Friday Party on October 13, 2023



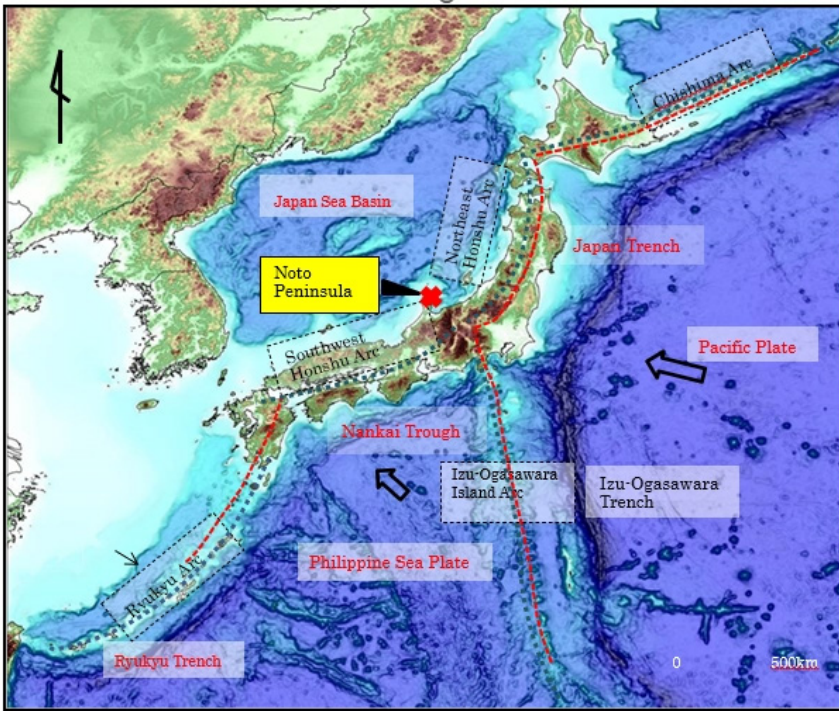
Fig. 3 (Left) Chih-Hung Shih, (Right) Jia-Jyun Dong

JAPAN

The 2024 Noto Peninsula earthquake occurred on January 1, 2024

The 2024 Noto Peninsula Earthquake occurred on January 1st in 2024 with a maximum seismic intensity of 7, in the northwestern part of Japan. The earthquake caused a magnitude 7.6 at the depth of about 15 km in the Noto region of Ishikawa Prefecture. The seismic mechanism of this earthquake was a reverse fault type with a pressure axis in the northwest-southeast direction, and the earthquake occurred within the earth's crust.

Figure 1 shows the general view of Japan. The Japanese Archipelago is comprised of five island arcs as shown in the figure. The Philippine Sea Plate has been moving to NW direction 4 cm/yr. on average and subducting in the Nankai Trough. On the other hand, the Pacific Plate has been moving to WNW direction 9 cm/yr. on average and subducting in the Japan Trench and the Izu-Ogasawara Trench.



Moreover, the Izu-Ogasawara Island Arc have collided with Honshu Arcs and intruded to north direction. These continuing movements on the subduction zones at the boundary of the plates are the main causes of large earthquakes and tsunamis. And many active faults are distributed in the island arcs.

Fig. 1 General topographic view around Japan

Volcanic front

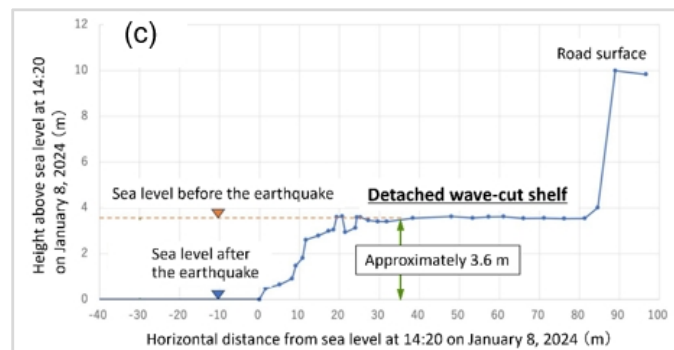
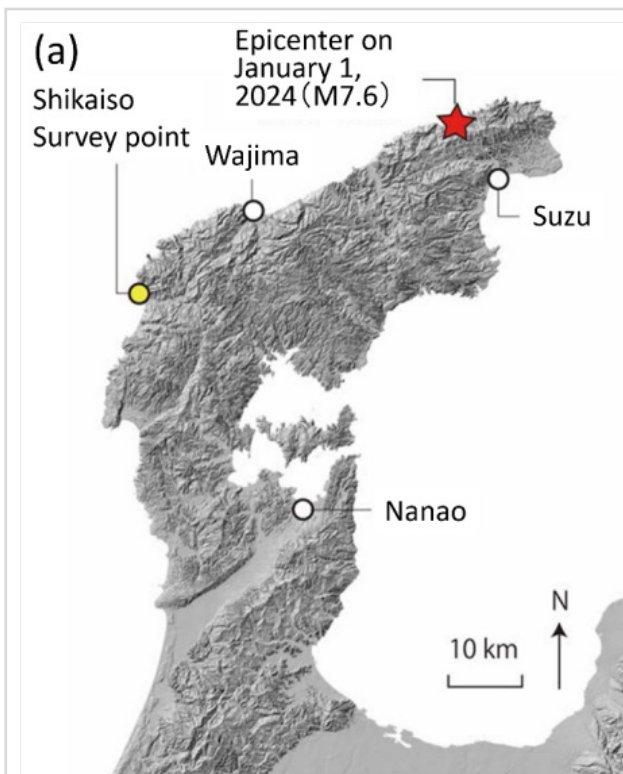


Fig. 2 Coastal Uplift Survey for the 2024 Noto Peninsula Earthquake (<https://www.gsj.jp/hazards/earthquake/noto2024/noto2024-04.html>)

According to an analysis of geodetic observation data by the Geospatial Information Authority of Japan (GSI) (2024), an uplift of up to 4 m was reported in the Shikaiso area, Monzen-cho, Wajima City, Ishikawa Prefecture. Cross-sectional topographic survey using a lightwave rangefinder revealed the terraced topography shown in Figure 2 (c), indicating the formation of marine terraces.

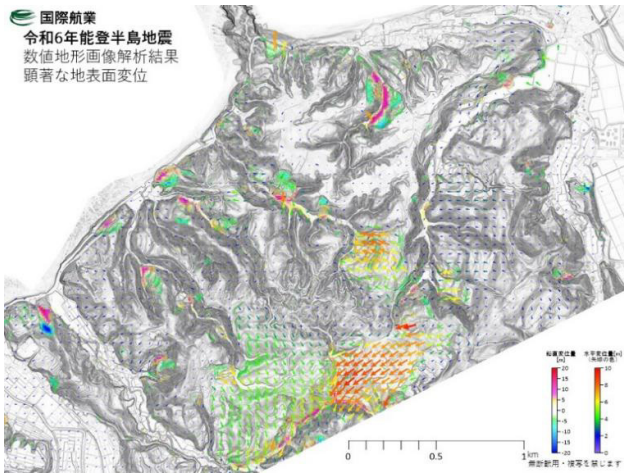


Fig. 3. Slope Variation by Numerical Topographic Image Analysis
KOKUSAI KOGYO CO., LTD. Geospatial Information Authority of Japan (GSI)

Numerical topographic image analysis (Patent No. 4545219) using detailed topographic data before and after the earthquake was conducted in the area from northeast to southwest of the Noto Peninsula. In the northeastern part of the survey area, a 1500 x 1000 m area of land surface displacement was observed on a mountain slope near Machinocho, Wajima City (Fig. 3). The ground surface displacement was divided into several blocks, and the maximum displacement of the slope, calculated by correcting the amount of displacement due to crustal deformation, was approximately 8 m.

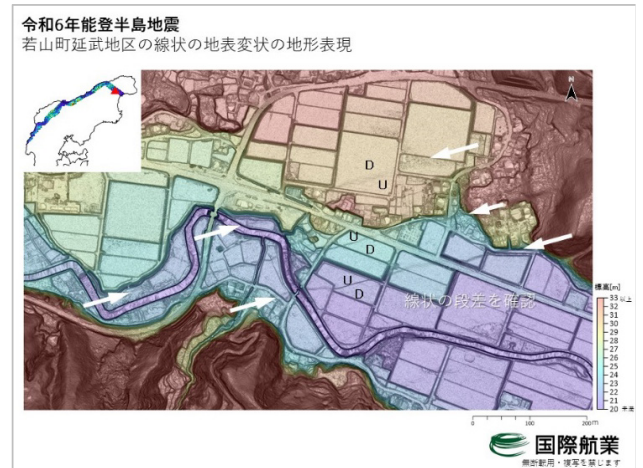


Fig. 4. Linear steps seen in Wakayama Town of Suzu City
Fig.3 and Fig.4 are offered by KOKUSAI KOGYO CO., LTD. Geospatial Information Authority of Japan (GSI)
(<https://www.kkc.co.jp/disaster/2024/01/%e4%bb%a4%e5%92%8c%ef%bc%96%e5%b9%b4%e8%83%bd%e7%99%bb%e5%8d%8a%e5%b3%b6%e5%9c%b0%e9%9c%87/>)

In the Wakayama Town of Suzu City, linear deformations were found in the GSI survey. It has confirmed a rise in the ground approximately 4 km long and 100 to 200 meters wide from east to west. A maximum of 2.2 m high steps across fields and rivers were also observed. Aerial laser measurements show steps as indicated by the white arrows in Figure 4. It is believed that the ground was uplifted by strong compression in the north-south direction.



Fig. 5. Damage to buildings in Tagamishinmachi, Kanazawa City, Ishikawa Prefecture



Fig. 6 Damage to the Noto Satoyama Kaido Road, that directly connects Kanazawa City to the Noto Peninsula, Ishikawa Prefecture

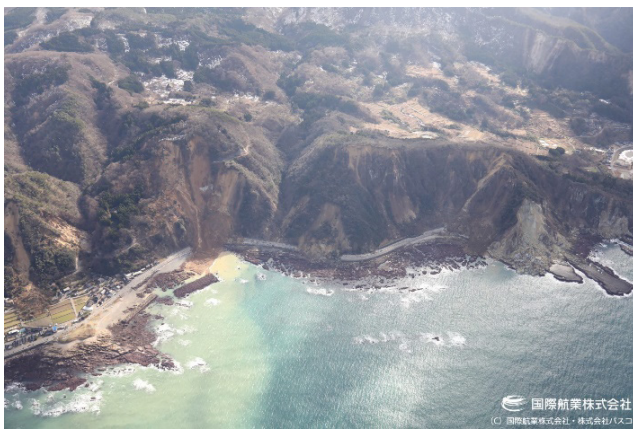


Fig. 7 Collapse of slope along Route 249, Macho Town, Suzu City, Ishikawa Prefecture

Fig. 5., Fig. 6. And Fig. 7. are offered by KOKUSAI KOGYO CO., LTD PASCO CORPORATION
[\(https://www.kkc.co.jp/disaster/2024/01/%e4%bb%a4%e5%92%8c%ef%bc%96%e5%b9%b4%e8%83%bd%e7%99%bb%e5%8d%8a%e5%b3%b6%e5%9c%b0%e9%9c%87/\)](https://www.kkc.co.jp/disaster/2024/01/%e4%bb%a4%e5%92%8c%ef%bc%96%e5%b9%b4%e8%83%bd%e7%99%bb%e5%8d%8a%e5%b3%b6%e5%9c%b0%e9%9c%87/)

Participation in IAEG-ARC14

The 14th Asian Regional Conference of IAEG was held in Kuala Lumpur, Malaysia, from February 26 to 29, and three members from Japan participated in the conference. Since this was the second meeting following IAEG2023 in Chendgu, China, we felt that the interaction among the representatives of the National/Regional Groups had deepened. The Japan National Group hopes to further deepen exchanges with the National/Regional Groups through such opportunities.

For the three participants from Japan, the conference was a very meaningful opportunity

for international exchange. As for the conference itself, we are sure that it was very difficult to prepare for the conference due to the change of venue and timing caused by COVID-19. We would like to express my appreciation for the efforts of all those involved in the conference.



Professor Nagata (right), the president of the Japan National Group.



Dr. Ranjan (center), VP of Asia Region and Dr. Shakhawat (far right), representative of Bangladesh, the host country of the next ARC15, and three other participants from Japan.



President Marinos and three participants from Japan at the City Tour

NEPAL

NSEG Lecture Series

In Nepal, importance of engineering geology in development sector is increasing and our engineering geologists were highly involved in civil engineering construction. Road safety related works are also now considering well in Nepal for promoting safe road construction system. Therefore, to inform the members of NSEG, a talk program was conducted as NSEG Lecture Series-9 on February 4, 2024. The title of the talk was "Road safety from the perspective of safe system approach" and talk was given by Prof. Dr. Padama Bahadur Shahi (Figure 1). He is president of Society of Transport Engineers Nepal (SOTEN) and Chairman of Nepal Engineering Council (NEC). The presented lecture and discussions in this lecture series were very fruitful. The main suggestion of the lecture series were to improve technical ability of the road safety in Nepal.

Nepal Society of Engineering Geology in Collaboration with Society of Transport Engineers Nepal (SOTEN)

NSEG Lecture Series – 9, A web-based workshop

4 February 2024, Sunday

“Road safety from the perspective of safe system approach”

Speaker:

We are pleased to inform you that the **Nepal Society of Engineering Geology (NSEG)** in Collaboration with the **Society of Transport Engineers Nepal (SOTEN)** is organizing its **Nineth NSEG Lecture** on the following date and venue. We would like to invite all **geoscientists, engineers and planners** to join the lecture.

Date: 4 February 2024, Sunday (माघ २१, २०८०, आइतबार)

Time: 19:30 - 21:00 (NPT), 13:45-15:45 (UTC)

Venue: Online in Google Meet.

Language: English

Contact: Secretariat office (+9779851060464)

Prof. Dr. Padma Bahadur Shahi
 Chairman, Nepal Engineering Council
 President, Society of Transport Engineers Nepal (SOTEN)

To join the video meeting, click this link: <https://meet.google.com/vqr-teca-vsg> , Otherwise, to join by phone, dial +1 470-310-0982 and enter this PIN: 698717793.

Figure 1. Banner of 9th lecture series conducted by NSEG.

NSEG Volunteering support in the 2023 Jajarkot Earthquake, Nepal

At 23:47 hours on November 3, 2023, a seismic event measuring 6.4 on the Richter scale, originating from a depth of 15.7 km, struck various areas within the Jajarkot and Rukum Pashchim districts of the Karnali Province in western Nepal (Figure 2). The epicenter was situated near Ramidanda in Jajarkot district, with notable aftershocks occurring subsequently. Kathmandu and neighboring Indian cities, including New Delhi, experienced strong tremors during this event.

The toll of casualties resulting from the potent earthquake, which occurred shortly before midnight on Friday, has risen to 157 as of Saturday evening. Nepal Police have reported 170 individuals sustaining injuries in the affected regions of Jajarkot, Rukum Pashchim, and nearby districts within the Karnali Province. By 5:00 PM on Saturday, 105 fatalities were recorded in the Jajarkot district, the epicenter of the earthquake, with an additional 52 reported deaths in the neighboring Rukum Pashchim district.

On November 6, 2023, a significant aftershock measuring 5.8 on the local magnitude (ML) scale struck around Ramidanda in the Jajarkot district at 16:31. This aftershock further compromised previously damaged houses, exacerbating the critical situation, particularly for children who are experiencing significant mental distress and fear for their safety.

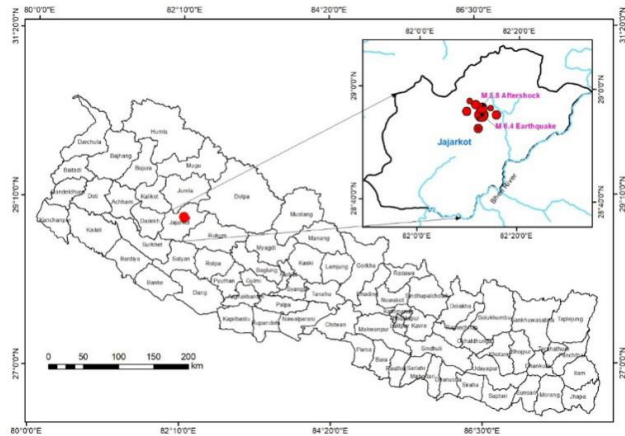


Figure 2. Main event and aftershocks in Jajarkot district.

The earthquake epicenters are concentrated in 10 km area. Ruptured zone seems narrow. By 16:00 on November 7, approximately 400 aftershocks have been recorded subsequent to the initial earthquake centered in Jajarkot. Among these aftershocks, 8 have measured a magnitude exceeding 4. The National Earthquake Monitoring and Research Center of Nepal documented a total of 159 aftershocks until the morning of November 4, following the 6.4 magnitude earthquake that struck Jajarkot at 11:47 PM on Friday night. The impactful 6.4 magnitude earthquake and its subsequent aftershocks have inflicted notable damage to residential and governmental structures in the affected areas of Jajarkot and Rukum Pashchim. Similarly, numerous instances of land fissures and slope failures have been observed in various municipalities near the epicenter. NSEG has dispatched a team of volunteers to collect data on earthquake-triggered landslides in the region, which will be crucial for the National Disaster Risk Reduction and Management Authority (NDRRMA). Field photographs of the team members engaged in data collection are depicted in Figures 3, 4, and 5.

West Rukum District



Mr. Bishal Paudel

- Aathbiskot Municipality, West Rukum
- Ward 13: Mathillo Kuridhara



Mr. Ramesh Bhattarai

- Sani Bheri Rural Municipality, West Rukum
- Ward No.1: Swata Bagar

Jajarkot District



Mr. Bishal Paudel

- Barekot Rural Municipality, Jajarkot
- Ward 8: Laikham



Ms. Shikshya Khatiwada

- Nalgad Municipality, Jajarkot
- Ward 5: Ranigau

Figure 3. Data collection in Jajarkot Earthquake affected area by NSEG members.



Mr. Janak Raj Pandey

- Chaurjahari Municipality, West Rukum
- Ward 12: Ulleri, Dharelidand



Ms. Till Kumari Thapa Pun

- Nalgad Municipality, Jajarkot
- Ward 2: Rumali



Mr. Ujjwal Bhattarai

- Banphikot Rural Municipality, West Rukum
- Ward 7, Sunchari



Mr. Aashish Kumar Bhandari

- Chhedagad Municipality, Jajarkot
- Ward 6, Sajhmela

Figure 4: Data collection in Jajarkot Earthquake affected area by NSEG members.



Mr. Arun Shrestha

- Triveni Rural Municipality, West Rukum
- Ward 5, Chauki Dunga, Jibang



Mr. Madhusudan Adhikari

- Kushe Rural Municipality, Jajarkot
- Ward 2, Dogri



Mr. Dinesh Raj Regmi

- Musikot Municipality, West Rukum
- Ward 8, Gyamma Khola



Mr. Ram Dhakal

- Shivalaya Rural Municipality, Jajarkot
- Ward 1, Puranotip



Mr. Janak Raj Pandey

- Junichade Rural Municipality, Jajarkot
- Ward 4: Badibati



Ms. Suprina Luitel

- Bheri Municipality, Jajarkot, Ward 1

Figure 5: Data collection in Jajarkot Earthquake affected area by NSEG members.

New Journal of NSEG

In recent years, research on engineering geology and related topics has been significantly advancing, but there are only a few specialized platforms for research publications. There is greater need of knowledge transfer and research result dissemination among the engineering geological researchers through specialized publications. This situation is especially the case among engineering geologists in Asia working in the fields of engineering geology and related topics. To overcome this problem, the NSEG is initiating a new scientific journal (Figure 6) entitled "Asian Journal of Engineering Geology (AJEG)". NSEG believes that geoscientists, environmentalists, and engineers involved in landslide and environmental research will have access to a new common platform for the publication of their research work. NSEG is confident that, with this journal, stakeholders working in the Himalayan landslide and environmental and surrounding area will also get up-to-date information on engineering geology and related research work in the region and other parts of the world.

AJEG, under the auspices of the NSEG, places a primary focus on research and developments in engineering geology that are specific to Asia and the broader to other parts of the world. The journal will serve as a key resource for disseminating knowledge on geological challenges and engineering solutions that are pertinent to diverse terrain and seismic activity in the region.

The journal encourages the submission of research articles and case studies that delve into the engineering geology challenges. Contributions may explore topics such as slope stability, earthquake hazards, landslides, and the geological aspects of infrastructure development in the region.

AJEG seeks to foster collaboration among researchers, engineers, and geologists within Asia and the broader to other parts of the world. The journal will actively engage with regional

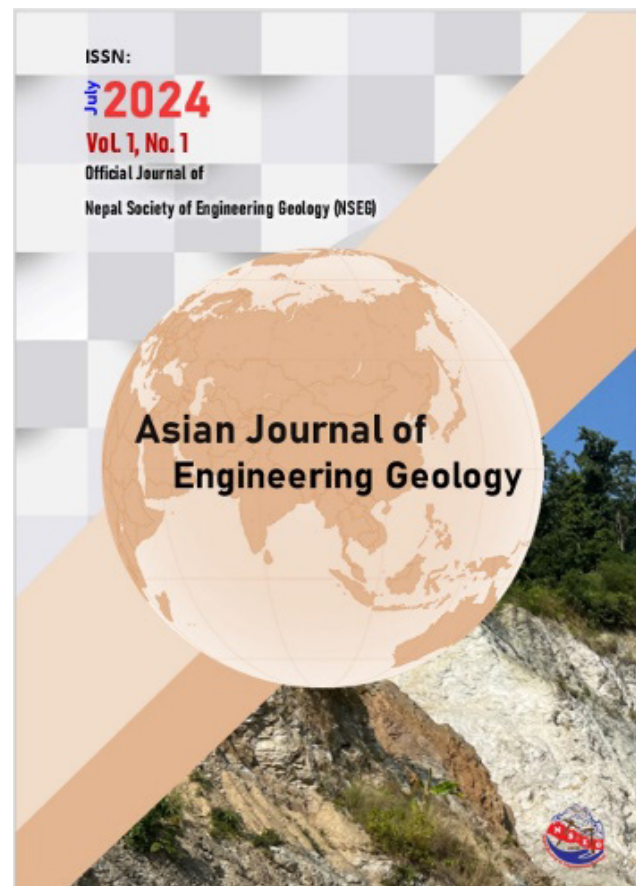


Figure 6: The forthcoming journal cover slated for publication by NSEG.

experts to contribute their insights, experiences, and research findings, promoting a collective approach to addressing engineering geology challenges. Recognizing the interdisciplinary nature of engineering geology, AJEG welcomes submissions that integrate geological, geotechnical, and environmental perspectives. The goal is to provide a comprehensive understanding of the geological factors influencing engineering projects and environmental sustainability.

The journal will feature updates and reports on initiatives, conferences, and activities organized by the Nepal Society of Engineering Geology. This ensures that the journal is not only a repository of research but also a hub for the exchange of ideas and information within the engineering geology community in Nepal.

NSEG invites researchers specializing in engineering geology to become part of the editorial board and contribute to our

publication. If you are interested in joining, kindly send an email to nsegnepal@gmail.com. More details about journal and online submission system are available in this link: <https://ajeg.nseg.org.np>



NEW ZEALAND

New Zealand will be releasing a 60th Anniversary Special Publication of NZ Geomechanics News focusing on IAEG history and engineering geology practice (December 2024 edition). Other events planned include engineering geology focused courses.

NIGERIA

The 8th Annual International Conference & Exhibition of the Nigeria national group with the theme "Sustainable Infrastructure and the Environment: The Role of Environmental and Engineering Geology," took central stage from September 17th to 21st, 2023, at Justice Idris Legbo Kutigi International Conference Centre in Minna, Niger State, Nigeria.

With over half of the world's population residing in urban areas, participants addressed the critical impact this demographic shift has on environmental degradation, pollution, and climate change, which subsequently contributes to an increased incidence of building collapses and structural failures.

The conference was marked by the presence of noted dignitaries, including the Executive Governor of the Niger State, represented by Hon. Garba Sabo Yahaya, Commissioner of Mineral Resources. The event featured prominent figures spanning various walks of life, including state and federal officials, industry

leaders, academics, and media personnel. Notably, Prof. S. A. Olatunji, President of the Nigerian Mining and Geosciences Society (NMGS), along with six other corporate members, were elevated to fellowship of the association.

The well-attended event saw a preference for in-person participation over virtual, despite being a hybrid conference. It comprised three lead papers and 28 technical presentations addressing pressing topics, such as:

- Geological and Environmental Hazards: Issues and Solutions.
- Waste Management for Sustainable Cities.
- Safe Exploration and Exploitation of Mineral Resources.
- Urbanization, Climate and Water Resources Management.
- Policies, Laws, and Regulations for Infrastructure Development.
- Preconstruction Investigations for Sustainable Structures.

Participants seized the opportunity to scrutinize the infrastructural and environmental challenges faced by Nigeria, advocating for an immediate reassessment of relevant building codes to reflect the diverse geological, subsoil, and climatic conditions across the country.

Fostering dialogues among stakeholders, the conference underscored the essential role of environmental and engineering geology in the pursuit of sustainable development amidst Nigeria's rapid urbanization.




New Fellows of Nigeria national group at the 8th Annual conference held in Minna




New Fellows of Nigeria national group with council members at the 8th Annual conference held in Minna.

22 MONDAY, OCTOBER 9, 2023 **PUNCH**


NIGERIAN ASSOCIATION FOR ENGINEERING GEOLOGY AND THE ENVIRONMENT (NAEGE)



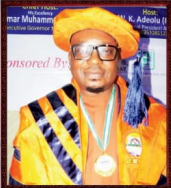
Prof. Olusola Johnson Ojo




Prof. Lukumon Adeoti




Dr. (Mrs.) Vivian Ekwutosinam Ozokwe



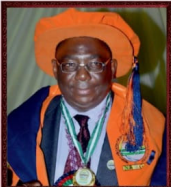
Mr. Larry Kayode Oloayo



Mr. Lukman Akolade Azeze



Engr. (Dr.) Elijah Babatunde Akinyode



Prof. Akinade Shadrach Olatunji

The Nigerian Association for Engineering Geology and the Environment is an Affiliate of the International Association for Engineering Geology and the environment (IAEG) and a specialist group of Nigeria Mining and Geosciences Society (NMGSS). NAEGE is the association for the professionals in the environmental and Engineering Geology sector.

At its last international conference held between the 17th and 22nd September 2023 at Justice Idris Legbo Kutigi International Conference Centre, Minna, Niger State, seven (7) corporate members were elevated to the position of Fellows. This is to inform the public of their induction to the position of Fellows. Our congratulations go to them.

SIGNED: Dr. Wallu O. ADEOLU
 (PRESIDENT AND CHAIRMAN OF COUNCIL, NAEGE)

Plate 3: New Fellows of Nigeria national group as published in Nigeria national dailies; The Punch Newspaper.

17.

REGIONAL CONFERENCES

The 4th European Regional Conference of IAEG in Dubrovnik, Croatia on October 8-12, 2024



The 4th European Regional Conference of IAEG (EUROENGEО 2024), will be held in Dubrovnik, Croatia, by the IAEG National Group of Croatia. The conference will take place from October 8th to 12th, 2024 at Hotel Dubrovnik Palace. The previous 3rd European Regional Conference (EUROENGEО 2020) held in Athens, Greece in October 2021 was very successful and justified the need for regular organization of such conferences at European level in order to increase networking of National Groups (NGs) and improve communication between them. Based on the theme of "Engineering Geology and Geotechnics: Building for the Future" the conference will focus on the latest research and innovation in engineering geology and geotechnics, highlighting the challenges and opportunities for sustainable infrastructure development. The main aim is to bring together professionals from the fields of engineering geology and geotechnics to share knowledge, discuss challenges, and present innovative solutions to complex engineering problems that meets the needs of present and future generations. By doing so, the conference will contribute to the development of sustainable and resilient infrastructure that can withstand the challenges of the future, such as climate

change, population growth, and urbanization.

Conference Information

Website: [https://www.euroengeo2024.com/;](https://www.euroengeo2024.com/)

Email: info@euroengeo2024.com

Venue: Hotel Dubrovnik Palace

La Serena, Chile, November 12-16, 2024

The 2024 Noto Peninsula earthquake occurred on January 1, 2024



Dear colleagues: On behalf of the Chilean Geotechnical Society (SOCHIGE), you are cordially invited to participate in the 17th Pan-American Conference on Soil Mechanics and Geotechnical Engineering (XVII PCSMGE) and 2nd Latin-American Regional Conference of the International Association of Engineering Geology and the Environment (IAEG) to be held in Chile in November 2024. We are delighted to organize this event, for the second time, after hosting it back in 1991. With an average width of 180 kilometers and a length of about 5000 kilometers, Chile is bordered by the Pacific Ocean to the west and the majestic Andes Mountains to the east. These characteristics result in a country with a wide variety of climates and vegetation, as well as both soil and rock conditions along its territory. As part of the Circum-Pacific Belt, Chile is one of the great seismically active regions in the world, which is of particular interest to geoscientists and geotechnical engineers worldwide. The Panamerican congress will serve as a unique platform for dissemination of knowledge and

fruitful interactions among researchers and practitioners from different generations and nationalities. We are excited to keep growing as a community and your attendance is essential to the success of this conference. We look forward to receiving you in our country!

Conference Information

Website: <https://panamgeochile2024.cl/>; E-mail: info@panamgeochile2024.cl

Venue: Peñuelas Norte 56, Coquimbo, Región de Coquimbo, Chile

Topics

- Geotechnical Characterization
- Geotechnical Design
- Geotechnologies
- Geological & Environmental Engineering
- Hot Geotopics
- Geotechnical Engineering Challenge

Key Dates

July 2023: Deadline for abstract submission

August 2023: Notification of abstract acceptance

November 2023: Draft paper submission deadline

January 2024: Notification of paper acceptance

April 2024: Final Paper Due

November 12-16, 2024

Call For Abstracts

Abstract Submission Deadline July 2023

Call For Abstracts

The Chilean Geotechnical Society SOCHIGE will host the 17th Pan-American Conference on Soil Mechanics and Geotechnical Engineering PANAMGEOCHILE2024 in conjunction with the 2nd Latin-American regional Conference of IAEG which are being organized with the support of:

- The International Society of Soil Mechanics and Geotechnical Engineering ISSMGE
- The International Association for Engineering Geology and Environment IAEG
- The Chilean Association for Engineering Geology ACHIGEO
- North and South America Vice Presidents of ISSMGE
- Geotechnical Societies of North and South America

PANAMGEOCHILE2024 will be held in the Chilean coastal city of La Serena which is located about 400 km North of Santiago.

Technical areas to be covered in the Conference are:

1. Geotechnical Characterization
2. Geotechnical Design
3. Geotechnologies
4. Geological and Environmental Engineering
5. Hot Geotopics
6. Geotechnical Engineering Challenges

More details on the specific subject of each technical area can be seen in the web page: <https://panamgeochile2024.cl>

During PANAMGEOCHILE2024 the Casagrande Lecture will be delivered by Prof. J. Carlos Santamarina, and at least 6 Keynote Lectures by distinguished geotechnical engineers and engineering geologists.

Workshops are being planned to take place November 12. Technical/Sponsors Exhibition will be available at the Conference Centre.

Abstract Guidelines and Information

The present invitation is to seek abstracts for papers for oral presentation and for poster presentation.

- All abstracts must be submitted electronically via our online system.
- All abstracts must be written in English and also in Spanish or Portuguese if the paper is going to be presented in one of the last two languages. Draft/final papers can be written either in English, Spanish or Portuguese.
- Maximum 300 words (excluding title and author/affiliation information).
- Submission of an abstract does not constitute acceptance for presentation or registration for the Conference.
- Authors must submit a paper for review following approval of the abstract.
- If a submitted abstract is accepted for the technical program in an oral or poster session, the presenter must register for the Conference.
- Platform and process will be the same for abstracts/papers for the 17th Panamerican Conference and 2nd Latin-American Regional IAEG Conference.

Abstract Submission


Authors applying to participate in the conference should submit an abstract of their paper, until July 31, 2023, using the uploading platform in the web page (uploading platform will be available on April 30).

Additional technical, logistic, and touristic information will become available shortly in the web page of the conference:
<https://panamgeochile2024.cl>



panamgeochile2024.cl


The 15th Asian Regional Conference of IAEG in Dhaka, Bangladesh on November 27-28, 2025



15th Asian Regional Conference of IAEG ARC-2025



Scan for Registration



27-29 November 2025 Dhaka, Bangladesh

“Geological engineering for societal
and sustainable Development”

Individual Registration & Abstract submission
Starts from 1st October 2024

Exhibition Booth Booking by Organizations
Starts from 1st October 2024

Organizer :



IAEG Bangladesh National Group
Jahangirnagar University, Bangladesh

Co-organizers :



Nepalese Society of
Engineering Geologists



KAGAWA
UNIVERSITY
Kagawa University,
Japan

Conference venue

Bangabandhu Conference Center/ InterContinental Hotel (Sheraton Hotel) or Pan Pacific Sonargaon Hotel, Dhaka, Bangladesh.



Conference size

About 250 to 300 attendees, 50 from neighboring countries including Nepal, India and 50 from other countries including Japan, Europe & others.

Proposed Field Excursion

1. "Padma Bridge en route to UNESCO World Heritage site Sunderbans"



2. "Bangabondhu Karnafully Tunnel" en route to world's largest Sandy Sea Beach Cox's Bazar.



ARC-2025
DHAKA, BANGLADESH
15th ASIAN REGIONAL CONFERENCE OF IAEG
 (INTERNATIONAL ASSOCIATION FOR ENGINEERING GEOLOGY & THE ENVIRONMENT)

“GEOLOGICAL ENGINEERING FOR SOCIETAL & SUSTAINABLE DEVELOPMENT”
NOV. 27-29, 2025

- Abstract submission opens: Dec 2023.
- Online Registration starts: Dec 2023.
- Exhibition Booth Booking starts: Dec 2023.

Organizer
IAEG BANGLADESH NATIONAL GROUP
Jahangirnagar University, Bangladesh
Co-organizers
NEPALESE SOCIETY OF ENGINEERING GEOLOGISTS, NEPAL
& KAGAWA UNIVERSITY, JAPAN
 **ACTIVITIES WILL BE AVAILABLE IN THE NEXT CIRCULAR

ARC-2025
DHAKA, BANGLADESH
15th ASIAN REGIONAL CONFERENCE OF IAEG
 (INTERNATIONAL ASSOCIATION FOR ENGINEERING GEOLOGY & THE ENVIRONMENT)

Dear Colleagues,
 Greetings From Bangladesh

The IAEG Bangladesh National Group of International Association of Engineering Geology and the Environment would Like to Organize 15th ASIAN REGIONAL CONFERENCE OF IAEG (ARC 2025) to be held in 27th to 29th November, 2025 in Dhaka, Bangladesh. The Conference's main goal is to share knowledge and practical experience in dealing with sustainable and Societal Issues in managing hazards, resources and disasters under the current context of global climate change.

Two post conference field trips including one in the world's largest sea beach Cox's Bazar and another one will be in the United Nations world Heritage Site Sundarban will be Organized.

Inviting all of you to join with us in 2025. Once again, anticipating your continued cooperation, support and active participation for the coming conference.

Prof. Dr. A.T.M. Shakhawat Hossain
 President
 IAEG Bangladesh National Group
 Jahangirnagar University, Bangladesh
 E-mail: shakhawathos2004@yahoo.com

/8. MEETING INFORMATION

Iraq, June 1, 2024
First SCCEE International Virtual Conference
(Building the Future-Innovation and
Challenges in Sustainable Civil Engineering)



In an age marked by rapid urbanization, environmental concerns, and technological breakthroughs, the role of civil engineering in shaping a sustainable future is of paramount importance. The 1st SCCEE International Virtual Conference is designed to be a collaborative hub where ideas converge, innovations are showcased, and solutions are crafted to tackle the intricate challenges faced by our societies.

The central motive of the First SCCEE International Virtual Conference revolves around “Building the Future: Innovations and Challenges in Sustainable Civil Engineering.” This means focusing on exploring and discussing advancements and hurdles in civil engineering that pertain to sustainability.

Furthermore, SCCEE-IVC invites researchers, both young and seasoned, from diverse engineering and technology backgrounds, to contribute and disseminate their research discoveries worldwide. Irrespective of their specialized field within engineering and technology, this initiative encourages the submission of relevant research papers, fostering an inclusive environment for knowledge exchange and showcasing diverse perspectives within the scientific community.

Conference Information

Website: <https://scientificstepsgroup-ssg.com/bf-icsce-home/>;

Email: sccee-conference-2024@scientificstepsgroup-ssg.com; Tel: +971-50-407-6305

Conference Paper Submission:

Please refer to <https://scientificstepsgroup-ssg.com/bf-icsce-submission/> for the paper submission before May 1, 2024.

Port Harcourt, June 10, 2024

9th NAEGU Annual International Conference & Exhibition



NIGERIAN ASSOCIATION FOR ENGINEERING GEOLOGY AND THE ENVIRONMENT

(A Specialist Group in NMGS)

Garden City 2024




9th NAEGE ANNUAL INTERNATIONAL CONFERENCE & EXHIBITION 2024

Theme:

ENGINEERING GEOLOGY FOR SUSTAINABLE HIGHWAY PAVEMENTS AND BUILDINGS IN A CHANGING GLOBAL CLIMATE

SUB-THEME

1. Pre-construction Engineering Geological Investigation for Buildings and Roads.
2. Geomorphological Assessment in Route Selection, Alignment and Detailed Design.
3. Road Pavement and Building Construction Materials, Management of Earthworks and Drainage.
4. Case Studies and Road Pavement, Bridge Failures and Building Collapse in Nigeria.
5. Advances and Emerging Trends in Engineering Geology.
6. Addressing the Impact of Climate Change on Highway Pavement and Adapting Designs to Withstand Environmental Challenges.

1st Call for Abstract:

Guidelines for Submission of Abstracts / Posters Presentation

Abstracts Should Primarily Address the Theme and/or Sub-Themes

The proposal should include the following :

- Title of Proposed Paper / Poster
- Names of Speakers / Authors
- Speaker(s) / Author (s) Institutional Affiliation
- Speaker(s) / Author (s) E- mail Address / Telephone Numbers
- Presenters should indicate their prepared mode of presentation whether Oral or Poster
- Abstract of Proposed Paper(s) should not exceed 250 words.

Abstract, full papers and slides should be sent to:

GardencitynaegeabstractPH2024@gmail.com

ABSTRACT
SUBMISSION
DEADLINE:

10TH
JUNE,
2024

CONFERENCE FEE:

EARLY BIRDS

Fellows: N20,000

Corporate: N15,000

Students: N5,000

Non Member: N20,000

Institutional Member: N100,000

FOREIGNERS:
\$200

Bank Name: Zenith Bank Plc.

Account No: 122117849

Account Name: Nigerian Association for Engineering Geology and the Environment

Date: SUN. 15TH-THURS. 19TH SEPT., 2024

TIME: 9:00AM PROMPT

VENUE: CASONI INT'L HOTELS & SUITES LTD. NO. 6B PRESBYTERIAN CLOSE OFF STADIUM ROAD, (KEN SARO-WIWA ROAD) RUMUOMASI, PORT HARCOURT, RIVERS STATE.

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ad_2will@yahoo.com

Dr. F.D Giadom MFR, FNAEGE
LOC Chairman
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Dr. R.B Akinshipe FNAEGE
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Mr. M. Umama
LOC Secretary
Tel : +2348035435813
mikemartins71@yahoo.com

THIRD SUMMER SCHOOL OF THE INTERNATIONAL ASSOCIATION FOR ENGINEERING GEOLOGY AND THE ENVIRONMENT



Aosta (Italy) 1 – 9 July 2024

The school is dedicated to PhD students in Earth Sciences and Engineering Geology

NO REGISTRATION FEE IS REQUIRED

The number of participants is limited

Financial support for low-income countries supported by **YEG – IAEG Young Engineering Geology Group**

Application deadlines:

- February 29, 2024 (for the financial support request)
- April 15, 2024

For more information:

[https://iaeg.info/summer-school-of-iaeg-and-the-environment/
sciaeg@irpi.cnr.it](https://iaeg.info/summer-school-of-iaeg-and-the-environment/sciaeg@irpi.cnr.it)

The call for applications is open at the following [link](#)

ORGANIZED AND SUPPORTED BY



UNIVERSITÀ
DI PAVIA



Istituto di Ricerca per la Protezione Idrogeologica



Consiglio Nazionale delle Ricerche



UNIVERSITÀ DELLA
VALLE D'AOSTA
UNIVERSITÉ DE LA
VALLÉE D'AOÛTE



MONTAGNA SICURA
MONTAGNE SÛRES

Please refer to <https://www.dropbox.com/scl/fi/cxvntosb7vuy4m9eqth8f/IAEG-summer-school-2024-program.pdf?rlkey=ajt8qswv0ee5m54lfb9h9lr4k&dl=0> for the detailed information.

Savoie, France, July 5-12, 2024

14th ISL (International Symposium on Landslides) & RSS (Rock Slope Stability)

14TH ISL & RSS

ISL (International Symposia on Landslides) is a quadrennial event organized under the patronage of the Joint Technical Committee on Natural Slopes and Landslides (JTC1) of the International Society for Soil Mechanics and Geotechnical Engineering, the International Society for Rock Mechanics and the International Association for Engineering Geology since 1972.

ISL2024 is the 14th ISL and is hosted in France for the first time.

RSS (Rock slope Stability) is a recurrent event, almost 5 symposiums since 2010. Since 2016 the event is organised under the patronage of the French national program CZROP.

The two events merge into a single event in 2024.

The congress center « Le Manège » and the city of Chambéry

- More than 1400 rooms in neighboring of the congress center
- Comfortable hotels (from 1 to 4 stars)

NATIONAL CONTEXT

The French community takes opportunity of a strong network involved in geosciences and geomechanics applied to slope instabilities.

This forthcoming event is supported by the following institutions, all being representative of the French community involved in slope engineering:

The CFMR (French Society for Rock Mechanics)

Visit the website: <https://www.cfmr-roches.org/>

The CFMS (French Society for Soil Mechanics)

Visit the website: <https://www.cfms-sols.org/>

The CFGI (French Society for Engineering Geology)

Visit the website: <http://www.cfgi-geologie.fr>



14th ISL
(International Symposium on Landslides)
&
RSS
(Rock Slope Stability)
2024

CHAMBÉRY
(SAVOIE, FRANCE)
5-12 JULY 2024

IMPORTANT DATES

- Symposium: From Monday 8th to Friday 12th July 2024
 - Welcome ceremony on Sunday 7th 2024 (Inscription, Ice breaker, JTC1 meeting)
 - Summer school from Thursday 4th to Sunday morning 7th July 2024
- Agenda
 - Call for abstracts and new web site opening: January 2023
 - Extended abstracts submission deadline: 30 September 2023
 - Review and response to authors: 15 December 2023
 - Revised version submission: 15 February 2024
 - Last revision round and final submission: 15 March 2024
 - Registration opening: 15 January 2023
 - Early Bird registration until 30 March 2024

Website: <https://www.isl2024.com/>



VENUE

The Conference will be held at the Congress Center "Le Manège". Located in Chambéry downtown, near the old historical city, Le Manège is a restored building dating back to the Sarde period, which can welcome up to 400 attendees. Additional features are as follows:

- ▶ A large room (700 m²), newly reconstructed and designed to welcome social events
- ▶ Up to 8 additional separate meeting rooms, all equipped with screens and sound/audio system
- ▶ More than 1400 hotel rooms in neighboring comfortable hotels (from 1 to 4 stars)

14th IS Landslides 2024
 including IS RSS 2024
 Chambéry, France, July 2024
JTC1

Salerno, Italy, July 22-25, 2024

The 22nd International Symposium on Geo-disaster Reduction



Hosted by:
University of Salerno (Italy)

Chairs:
Prof. Sabatino Cuomo (University of Salerno, Italy)
Prof. Fawu Wang (Tongji University, Shanghai, China)

Bulletin No. 1
First Announcement



Topics

- Landslide risk
- Geo-disasters caused by earthquake
- Geo-disasters and climate change
- Geo-disasters related to volcanism
- Geo-disasters related to human activities
- Tsunami
- Geosynthetics and other solutions for mitigation

Program

Technical sessions will run over two days consisting of featured and invited general theme/keynote lectures and delegate presentations. The specific scientific program will be released later in the symposium brochure. The official language of the symposium is English.

Registration fee

	before 30 May	after 30 May
General participants	350 EUR	400 EUR
ICGdR and IGS Members	300 EUR	350 EUR
Students	150 EUR	200 EUR

Participation fee for field trip

- Participants (max 50): 80 EUR per person
- Note: the participation fee includes the expense of food and transportation during the one-day field trip.

Payment Methods

1. **By bank Transfer**

Name of Bank: Banca BCC Aquara
- **address:** Via Sabatini, 5 - 84091 Battipaglia (SA), Italy
- **IBAN:** IT10E0834276090007010072811
- **Swift Code:** CCRTIT2TAQU
- **Account Holder's Name:** INTEI SRL, Via Rosa lemma, 47 - 84091 Battipaglia (SA), Italy, P.IVA: 06058530657

2. **Onsite registration**
You can pay the registration fee by POS.

Exhibition

Lab, field testing, instrumentation, geosynthetics, and other geotechnical manufacturers, suppliers, contractors, installers, and consulting firms are welcome for exhibition.

Symposium Venue

- **Salerno, Palazzo Sant'Agostino**
Address: Via Roma 104, Salerno, Italy

Accommodation

Please kindly reserve by yourself ASAP.

- **Grand Hotel** (4-star hotel)
- **Plaza Hotel** (3-star hotel)
- **Bruman Hotel** (3-star hotel)
- **Montestella Hotel** (3-star hotel)

Important Dates

Abstract (1 page) due: 15 April 2024
Acceptance of the abstract: 30 April 2024
Full paper (6 pages) due: 15 May 2024
Review comments to authors: 22 May 2024
Final camera-ready paper due: 30 May 2024

- **Note:** Please send the abstract or full paper to isgdr2024@unisa.it

Publication

All the accepted abstracts and full papers will be collected in an unofficially published proceeding. Excellent papers will be considered for special issues of peer-reviewed international journals.

Symposium agenda

22 July 2024	Registration & ICGdR meeting
23-24 July 2024	Opening ceremony and Presentations
25 July 2024	Field trip

Post-Conference Field trip

One Day Field Trip
Route: From Salerno to Sarno catchments

VISA

Letters of invitation for Visa applications can be provided by the Symposium Secretariat, only to participants with completed registration process.

Symposium Secretariat

Dr. Mariagiovanna Moscarello
University of Salerno (ITALY)
GEG (Geotechnical Engineering Group)
E-mail: mamoscarello@unisa.it

Please refer to https://www.dropbox.com/scl/fi/bg6zslbwrmyi6fijophj/22ISGDR_July2024-Salerno_2nd-Bulletin-0407.pdf?rlkey=sdl7hk8yvvy2eedk4il9kz9331&dl=0 for the 2nd bulletin of the symposium.

Busan, Korea, August 25-31, 2024

IGC 2024 The 37th International Geological Congress



The 37th International Geological Congress will be co-hosted by the Korea Institute of Geoscience and Mineral Resources (KIGAM) and the Geological Society of Korea (GSK) in Busan, Republic of Korea, on August 25-31, 2024.

IGC 2024 Busan will contribute to establishing a global network of “E-geology”, such as a “Virtual Fieldwork Program” connecting important geological sites through the internet. Access to relevant information about important geological sites will be available online. This will lead to a new evolution in the future of geological science education.

Conference Information

Website: <http://www.igc2024korea.org>; E-mail: info@igc2024korea.org; Tel: +82-51-711-0043

Registration

The online registration is open until **26 (Fri.) Jul 2024** at 24:00 p.m. (KST, UTC/GMT+09). The Early Bird Registration deadline is April 26, 2024. Please refer to <https://www.igc2024korea.org/content/14409> for the detailed information.

Call for Abstracts


IGC 2024
 The 37th International Geological Congress 2024

The 37th International Geological Congress
 25-31 August 2024 Busan, Korea

ABSTRACT SUBMISSIONS ARE NOW OPEN!

It is a great pleasure to announce that Abstract submissions for oral and poster presentations for IGC 2024 are now open. Hosted by IUGS and organized by the organizing committee of IGC 2024, the 37th International Geological Congress provides a wonderful opportunity for academic updates, business exchanges and global networking in geology and geoscience.

Don't miss chances to enjoy Korean culture.

IMPORTANT DATES

- Abstract Submission ~ 16 Feb. 2024
- GeoExpo Registration ~ 31 May 2024
- Field Trip Registration 8 Jan. 2024 – 26 April 2024

www.igc2024korea.org

Lisbon, Portugal, August 26-30, 2024

ECSMGE 24 --- XVIII EUROPEAN CONFERENCE ON SOIL MECHANICS AND GEOTECHNICAL ENGINEERING



The Portuguese Geotechnical Society (SPG) is pleased to welcome you to the XVIII European Conference on Soil Mechanics and Geotechnical Engineering in Lisbon, Portugal, from August 26th to August 30th 2024.

Conference Information

Website: <https://www.ecsmge-2024.com/>; email: ecsmge2024@leading.pt;

Email: spg@lnec.pt; Tel: +351021804430859

Venue: MEO Arena (Parque das Nações Rossio dos Olivais, Lot 2.13.01º 1990-231 Lisboa)

Conference Theme

Challenges of Geotechnical Engineering to Meet Current and Emerging Society Needs

Main Topics

- A - New developments on structural design
- B - Geohazards
- C - Risk analysis and safety evaluation
- D - Current and new construction methods
- E - Environment, water and energy
- F - Future city world vision

Registration Dates & Prices

Category	Early bird	Regular fee	Late Fee
	Until April 30th 2024	01 may 2024 to 25 aug 2024	26 aug 2024 to 29 aug 2024
ISSMGE member	725€	825€	925€
ISSMGE non-member	825€	925€	1025€
Students	325€	375€	425€
Conference Dinner	95€		

Venue



Algiers, Algeria, October 6-9, 2024

18th African Regional Conference on Soil Mechanics and Geotechnical Engineering



The 18th African Regional Conference on Soil Mechanics and Geotechnical Engineering will be held in Algiers, Algeria on October 6-9, 2024. The conference will provide keynote lectures, technical sessions and panel discussions on diverse topics, and a forum for exchange and discussion between engineers, professionals, scientists, researchers, equipment or solution providers operating in the field of soil mechanics and geotechnical engineering. In addition, social activities and technical tours will be organized. The exhibition will bring the maximum of professional partners to animate the conference and allow participants to exchange the solutions offered by professionals and answer their eventual concerns. The proceedings of the conference will be published with open access. The conference will provide awards for best papers, best presentations, and best industrial projects.

Conference Information

Website: <https://algeos-dz.com/18ARC.html>; E-mail: info12ARC@algeos-dz.com

Tel: +213-21-24-7224

Important Date for Abstract and Paper Submission

September 15, 2023 - Deadline of final submission abstract

October 15, 2023 - Notification of abstract acceptance

January 15, 2024 - Submission of draft manuscript for review

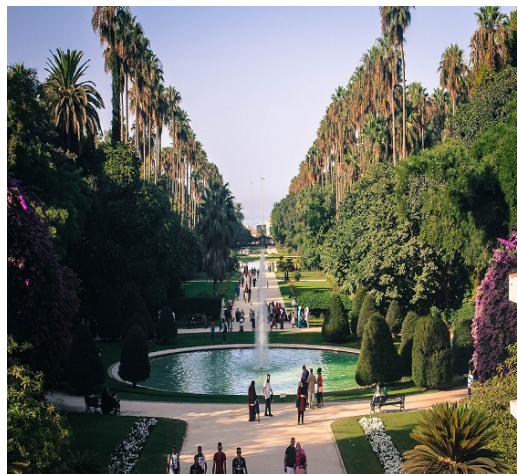
March 15, 2024 - Notification of paper acceptance

April 15, 2024 - Submission of final paper

Social Program



Tipaza



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Poland, October 15-18, 2024

8th Engineering Geology Challenges in Poland Conference



The Polish Geological Institute - National Research Institute organise the 8th Engineering Geology Challenges Conference in Poland. This conference will take place in Łódź (Poland) 15-18 th October 2024.

Subject

CHALLENGES OF ENGINEERING GEOLOGY FOR ENERGY
AND DIGITAL TRANSFORMATION AND AUTOMATION

Key Problem

- urban Geology
- methods of research and geotechnical solutions selection for road investments and high speed railways
- site investigation engineering geological and methods for site recognition and geotechnical solutions selection for different types of constructions especially energetical objects Offshore Wind Farms, Nuclear Power Facilities, Pumped Storage Power Plant
- geohazard assessment
- engineering-geological conditions for underground objects: Gas Storage Facilities and their transmission system storage and underground waste disposal
- Shallow Geothermal Energy – site recognition for borehole heat pumps and heat storage facilities
- site contamination assessment, land remediation
- new regulations, good practice Digital transformation and automation in geology
- BIM in geology and geotechnics, digital construction design, geological works automation

Please refer to <https://konferencje.pgi.gov.pl/pl/wpqi2024.html> for the detailed information.

Sydney, Australia, November 20-22, 2024

5th International Conference on Transportation Geotechnics 2024



5th International Conference on Transportation Geotechnics will be held in Sydney on November 20-22 in 2024. The Conference will aim at promoting concepts and applications predominantly in the fields of transport infrastructure design, ground improvement, sustainability and circular economy perspectives, and natural hazards mitigation. This major event will act as a platform to disseminate the most recent research and field advances to the geotechnical community around the globe through active pathways of academia and practice. Outstanding Keynote lectures and State-of-Practice presentations, and brain-storming technical discussions will contribute to three days of scientific and technical discourse, followed by attractive excursions encompassing the awesome natural landscape of the state of New South Wales (NSW).

Conference Information

Website: <https://www.ictg2024.com.au/>; Tel: +61-2-9265-0700

E-mail: ictg2024@arinex.com.au (for general enquiries) ;

ICTG2024@uts.edu.au (for technical and Sponsorship Enquiries)

Call for abstracts

The organizing committee is calling for abstracts. Please refer to <https://www.ictg2024.com.au/abstracts/> for the detailed information.

New Delhi, India, December 1-3, 2025, 2024

EGCON 2025

Preliminary Circular



ISEG@60



EGCON 2025



On Completion of 60 Years of Service
Indian Society of Engineering Geology
 (Indian National Group of IAEG)
 Celebrates Diamond Jubilee and Organizes
International Conference on Engineering Geology and Geohazards
 Under the aegis of
International Association for Engineering Geology and the Environment

THEMES

- * History, development, and futuristic trends of Engineering Geology.
- * Engineering Geological mapping and rock mass characterization.
- * Engineering Geology for Pumped Storage Projects.
- * Geophysical applications.
- * Drilling, and grouting procedures.
- * Engineering Geology for water resource development projects, hydroelectric projects and other major infrastructure facilities.
- * Engineering Geology for underground excavations, caverns, tunnels.
- * Engineering Geology for ports and other marine works.
- * Engineering Geology for nuclear projects.
- * Engineering Geology for urban development.
- * Engineering Geology for conservation of heritage sites.
- * Geotechnical laboratory and field test procedures.
- * Landslides and resilient exercises and Early Warning Systems.
- * Earthquakes and earthquake resistant structures.

HIGHLIGHTS

- * Keynote addresses by experts in the discipline.
- * Oral and poster presentations in parallel sessions.
- * Focused workshops addressing various themes of the discipline.



New Delhi, India
01-03 December, 2025

PRESIDENT, ISEG
 Mandapalli Raju
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SECRETARY, ISEG
 Dr. Mridul Srivastava
 india.seg@gmail.com

- * Exclusive YEG workshops addressing related specific issues.
- * Co-operation and joint action programs of the IAEG and other National Groups, as sidelines.
- * Exclusive meeting under the leadership of Vice President, Asia, expressing solidarity with the IAEG.
- * Exhibition stalls to showcase infrastructure capabilities of various corporate offices and their products.
- * Participation of delegates from all over the globe.
- * Several public and private sector agencies are expected to join the event as sponsors, co-sponsors.

VISITS

- * One day Complimentary Delhi tour to all delegates, one day prior to the Conference.
- * Post Conference tours to explore India on optional basis to important tourist places like Taj Mahal, Ayodhya Dham, Sundarbans and many more.
- * Field visits to important infrastructure project sites under different stages of construction.

CALL FOR ABSTRACT

- * Extended Abstracts will be invited and they will be published as a part of Conference Proceedings.
- * Full papers will be published subsequently following editorial procedure.

/9. CONTACT INFORMATION

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