



IAEG

NEWSLETTER

Issue No.1, 2023
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Cover Story



In the wake of Hurricane Fiona walloping Puerto Rico, communities were underwater, bridges and roads destroyed, and many homes were unlivable. Southern Puerto Rico was hit with 12 to 20 inches causing hundreds of landslide failures. Landslides are one of the most devastating tragedies in the world and usually they are caused by prolonged precipitation. They happen unexpectedly and can impact the environment, infrastructure, or human life severely. The photos and the 3D model of 250+ images, illustrate one of hundreds to thousands of soil and regolith landslides that were triggered across the mountainous regions of Puerto Rico during Hurricane Fiona on 18-September-2022. The landslide is typical of the style of mass wasting that affects the rugged interior zones of Puerto Rico during extreme weather events. Immediate effects to the island's fragile road network, electrical and water infrastructure, homes, businesses, and communications infrastructure often overshadow long-term effects like sedimentation of local freshwater reservoirs and loss of arable lands.

Provided by Dr. Stratis Karantanellis
YEG President



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Edited by the IAEG Secretariat, Shaoxing, China

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01/ NEW-ELECTED PRESIDENT'S FIRST MESSAGE



Dear members of IAEG, dear colleagues and friends,

I would really like to wish you a happy and safe new year. I also trust, with no doubt, that we will be able to meet again in person and internationally collaborate more actively for the future of our profession.

We, the International Association for Engineering Geology and the Environment serve the "...science devoted to the investigation, study and solution of the engineering and environmental problems which may arise as the result of the interaction between geology and the works and activities of human-kind as well as to the prediction of and the development of measures for prevention or remediation of geological hazards" (text from IAEG Statutes).

Our new Executive Committee consists of highly experienced colleagues from the industry, academia and research institutes. Practitioners in the field of Engineering Geology with deep knowledge of our International Association and its capacities; bearers of new visions.

At this point, I would like to offer my great appreciation to the past Executive Committee for all their efforts in assisting and promoting IAEG during the past, very difficult, 4-year period.

Though these messages are more often focused on wishes and greetings, I would like to take advantage of this opportunity to highlight some of the essential plans and strategies for the next 4 years. In order to further support the IAEG towards its wide activity fields and continue the work of the previous office, I plan to take, together with the new Executive Office, actions on the following fields:

Revisiting Engineering Geology core values: What happens so often to the Geology in Engineering Geology? Where is the integration of Geology to Engineering as seen in the research papers or applied papers in journals? Cases are observed with departure from the common ground in Engineering Geology, Soil Mechanics and Rock Mechanics, sometime with Engineering Geology not even being standing with its intellectual merits, methods and procedures. Our competencies within the geoenvironment community are founded on understanding "how is the ground" and "how the ground works". Apart from "putting numbers in Geology" we need to ensure that there is a sound understanding and knowledge of the processes and provide guidance and promotion for developing geological models and mechanisms; utilizing all the new technological tools and computer visual methods.

Education & Training: Our strategy must be decidedly targeted in education. We must provide our solid views on the matter within the relative JTC with our sister societies in the Federation of International Geo-Engineering Societies (FedIGS). Our Commission in education must be reactivated, work very actively in this matter and provide assistance to the academia to secure the role of Engineering Geology in the geo-engineering teaching community. We also want to continuously address the new needs of the industry in engineering geology and accordingly support the MSc syllabi around the world. Another issue we have to examine and have a clear standpoint about it is who (with what background) teaches "Engineering Geology" in the relevant courses in the universities.

"Why Become a member of IAEG?" - Support career development: This is a principal issue that must occupy the new Executive Office. We plan to create an international network of communication between professionals and academics in order to support career development. We must be able to convey to our members all new practices, trends, technologies and methods in Engineering Geology.

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New fields in Engineering Geology: Promote and establish, under the IAEG umbrella, new fields in Engineering Geology, especially in the geohazard, environmental and climate change topics. Many young colleagues already working in this field. Engineering geologists can soundly collect, present, evaluate and interpret relevant data in these new fields.

Young Engineering Geology group (YEG): We will work with the YEG group to raise a core of YEG members in IAEG through national group membership. Our future! The organization of summer schools and field trips as well as YEG activities such as webinars, specialized workshops during the IAEG events and career days, will be both encouraged and supported.

Continuous interaction with our members: Conduct frequent online surveys and receive feedback from IAEG members with respect to the IAEG workshops and activities, membership and what more IAEG can offer but also getting new suggestions regarding the goals of IAEG future activities and Engineering Geology practices. Our website will be updated, while IAEG – Connector will always be a valuable tool of presenting IAEG activities and worldwide news.

IAEG activities: Create opportunities for Engineering Geologists to partake in and familiarize with the knowledge and the learnings that become available worldwide, by region and by country, through organizing and running of congresses, conferences, summer schools and field trips. This year we have our World Conference in Chengdu, China. We all hope that we will be able to participate in person. Also, we have our own IAEG summer school. The 2nd summer school will be organized in the Alps, Italy, next June.

IAEG Commissions: We will revisit all commissions from scratch so we can support and promote the active ones but also assist others by specifying rules and certain deliverables. Our intention is to monitor their progress, offer advocacy and provide motivation.

FedIGS: We wish to strengthen the bonds with the sister societies and ensure our common goals in the geo-engineering community by co-organizing special workshops and paying particular attention to the Joint Technical Committees (JTCs) encouraging greater interaction among the geo-engineering parties.

Official Journal of IAEG – BOEG: We are generally very proud for our journal and its meters. However, we must address the risks regarding the official journal of the IAEG securing the Engineering Geological and international character. We also need to open the door of our journal to more practitioners. We certainly look for papers with innovations and new findings, but we have to consider very seriously the publications of good papers with remarkable case histories for phenomena, for behaviour, for the design/construction of important works. This is valuable material for the practitioners.

Two Executive meetings have been arranged for the 1st half of 2023: an on-line meeting on the 2nd of February and a two-day meeting in person 3rd and 4th of May.

All Past Presidents have contributed towards the same goals. I am convinced that I too, with the help of the Executive Office, the engineering geology community and the National Groups, will be able to meet the expectations of IAEG, of our members and promote their activities even further.

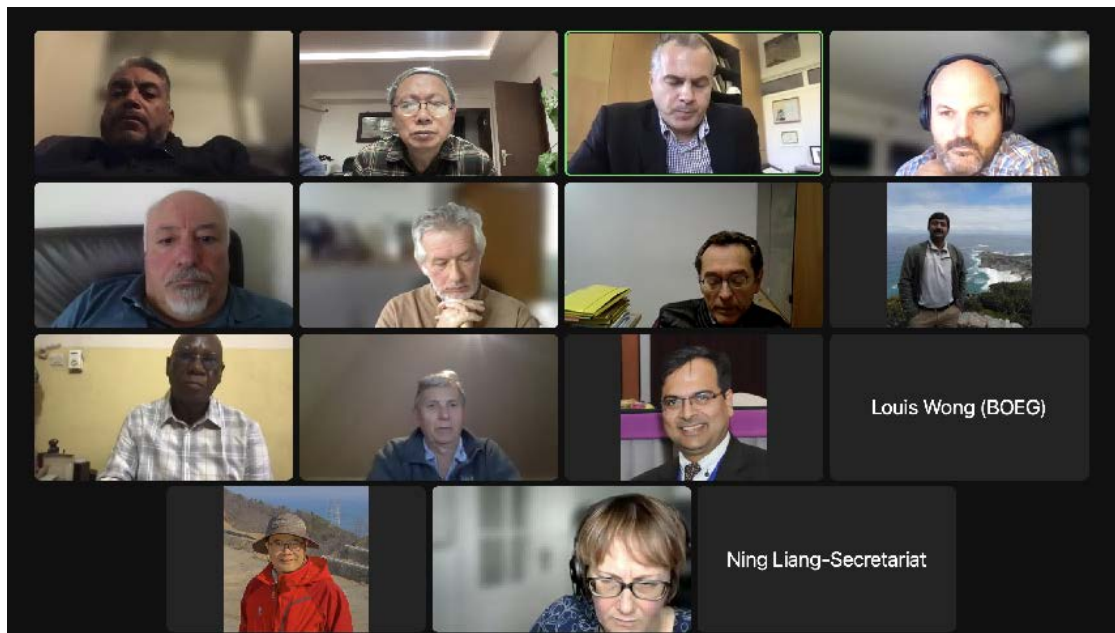
Vassilis P. Marinos
President of IAEG

A handwritten signature in blue ink that reads 'V. Marinos'.

02 EXECUTIVE COMMITTEE NEWS

The First Meeting Of The New Executive Committee For 2023-2026

The elected new Executive Committee for 2023-2026 had their first meeting online via zoom on President November 9th, 2022. The new elected President of IAEG Vassilis Marinos welcomed all members of the new Executive Committee. Vassilis invited each member to give a brief introduction at the meeting in order to make the new board members know each other better. The Executive Committee members discussed about the possibility of meeting on site in 2023, it is agreed that the Executive Committee will meet in May in Paris in 2023. The Secretary General will help select a possible date for all to meet on site in Paris. Jean-Alain will help book the venue and accommodations for the meeting. Vassilis also proposed to have an online meeting at the end of January before meeting in Paris, to discuss the agenda items and set immediate steps for future actions.



Online Meeting Of Executive Committee In February, 2023

The Executive Committee has held an online meeting on February 2nd, 2023 via zoom. All the 12 Executive Committee members attended the meeting, Louis N.Y. WONG, Arindam Basu, Stratis Karantanellis, Paolo Allasia, Mark Eggers, Jean Hutchinson and Daniele Giordan attended the meeting as invited ex-officio members of Executive Committee. The Secretary General Faquan Wu and Treasurer Jean-Alain Fleurisson have given brief reports on IAEG administrative and financial situations respectively.

Mark Eggers gave a background introduction of the advisory board and some works done by this committee in the past, it is proposed that the Advisory Board will start the research work on diversity and inclusion policy in IAEG. The President Vassilis Marinos proposed 5 initial working groups in order to get the Executive members making full use of the first 6 months of this year, including online Survey group, membership-recruitment group, funding group, promotion for Profession of Engineering Geology group, Statutes and Bylaws revision group and Commissions monitoring group.

Paolo Allasia, Louis Wong and Stratis Karantanellis gave brief reports on website, Bulletin and YEG

works respectively. The website keeps timely updated , but is facing challenge in making Bulletin access available through the website since contact problem with Springer. Louis presented summary and data statistics to show the Bulletin progress, it is suggested to promote and encourage more papers in theme of Engineering Geology. YEG keeps doing great job in “e-YEG” Webinar, they started establishing a platform for young researchers (under 40) to publish articles. YEG proposes several new actions and asks for budget.

Daniele Giordan introduced the IAEG Summer School 2023, the President proposed to financially support IAEG Summer School 2023. Shengwen Qi, the secretary general of IAEG China National Group, gave a brief report of IAEG XIV Congress on four parts, including publicity, paper work, arrangement and back-up plan. The Congress has been postponed to September 21 to 27, 2023 in Chengdu,China. It is suggested to keep member informed about the progress of the Congress at interval.



Photo of the online meeting on February 2nd, 2023

Stratis Karantanellis is Re-elected as YEG Chair

After the internal elections in the YEG board, Stratis Karantanellis is re-elected (8 votes from 9, as self voting is not possible) as YEG Chair for the upcoming period with all the YEG members outlining the work that it has been done the last 4 years. YEG will continue working on creative and eventful actions to further enhance engineering geology and its applications around the world following IAEG ethics and rules.

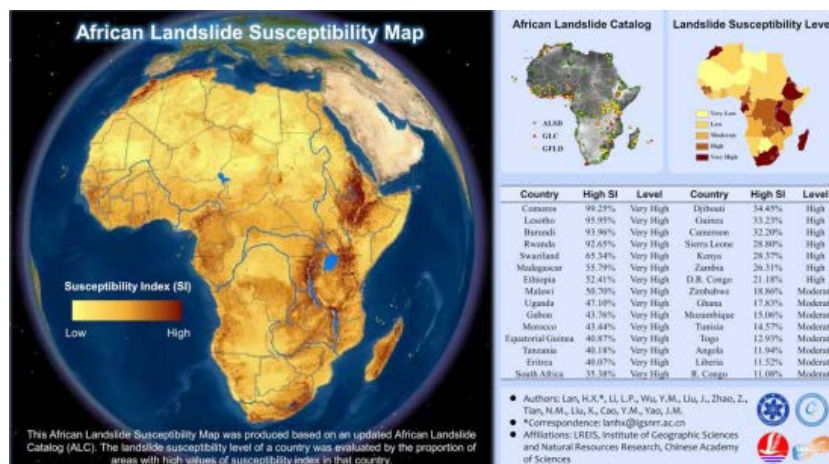
Prof. Hengxing LAN of China represents IAEG at Deep-Time Digital Earth forum in Paris on November 9, 2022

The *Deep-time Digital Earth (DDE) Open Science Forum* was successfully held at UNESCO Headquarters in Paris on November 9, 2022. Prof. Hengxing LAN, the president of Commission 37 represented IAEG at the forum. His report of "Six Maps of Africa (i.e., Geology, Geomorphology, Groundwater, Geothermal, Earthquake and Disaster)" was the highlight of this DDE Forum.



DDE Open Science Forum (UNESCO Headquarters in Paris)

DDE was launched by the International Union of Geological Sciences (IUGS) in early 2019. As a member of IUGS, IAEG officially became a founding member of DDE in 2021. In response to DDE's aims of *Aggregate Global Geoscience Big Data, Promote Data-Driven Geoscience Discoveries, And Realize A Paradigm Revolution In Geoscience Research And Industrial Applications*, Prof. Hengxing LAN, quickly organized his research team to work on the data collection and risk analysis of landslides in Africa, compiled an updated African landslide catalog, and further did a quantitative analysis of landslide susceptibility in Africa, producing a series of African landslide susceptibility map. Relevant results were put online on GlobalLayer, DDE's professional mapping platform, and presented at this DDE Forum as one major highlight. They will continue to organize personnel to carry out relevant work to fully support the DDE International Big Science Program. This series of African landslide susceptibility map received special attention from the Assistant Director-General of UNESCO.



African landslide catalog and susceptibility map

This forum systematically demonstrated the main achievements of the DDE Big Science Program since its initiation, and announced the global launch of the first version of the DDE public infrastructure platform "Deep-time.org". This forum marks that DDE has been widely recognized by various international organizations such as UNESCO, and an international cooperation situation has been formed.

Potential New Members Of IAEG - Srilanka and Bhutan

Srilanka and Bhutan expressed their wishes to establish new National Groups of IAEG. The new IAEG Vice president of Asia Ranjan is making efforts in initiating the organizing work of establishing the new Srilanka and Bhutan National Group of IAEG. The secretariat welcomed their intentions and suggested them to submit proposals of application, which will be submitted to the executive

committee firstly and officially submitted to the Council for approval at the IAEG Annual Council Meeting.

Call for Progress Reports from Commissions

IAEG Newsletter is calling for progress reports from Commissions on their academic activities, to share and exchange among IAEG members. Please contact the secretariat if Commissions would like to report their research work progress in Newsletter. IAEG will continue to promote the development of Commissions, and share their research findings with IAEG members.

Prof. Giorgio Lollino Resigned as Web editor- in-chief of IAEG

Professor Giorgio Lollino has been a dedicated member of the International Association for Engineering Geology and the Environment (IAEG) for several years, having previously served as Vice President for Europe. He generously volunteered to manage the organization's website some years ago, recognizing its critical role in supporting the group's work. Over the years, he has skillfully led the IAEG website through multiple changes in regulations, contributing significantly to the organization's success. As he steps down, he is passing the baton to new leaders within his program in Italy. The IAEG would like to express its heartfelt gratitude to Professor Giorgio Lollino for his many years of dedicated service.

News from Sister Society

-New Secretary General of ISSMGE

The President of ISSMGE, Professor Marc Ballouz, has announced the appointment of Dr. Andrew McNamara as the organization's new Secretary General. Dr. McNamara will assume his new role after the forthcoming ISSMGE Council Meeting, which is scheduled to take place on August 13, 2023. The council meeting is set to be held in Astana, Kazakhstan, and will be held alongside the 17th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering.

Dr. McNamara, who is a practicing engineer with a strong passion for academia and research, serves as Chief Engineer for Skanska UK Building and Senior Lecturer in Geotechnical Engineering at City, University of London. We are excited about the invaluable experience and leadership Dr. McNamara can bring to the ISSMGE Secretariat, and we are looking forward to collaborating with him on the ISSMGE Board

03/ IAEG MESSAGE AFTER THE MEGA EARTHQUAKES IN TURKEY & SYRIA



INTERNATIONAL ASSOCIATION
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AND THE ENVIRONMENT

10/02/2023

IAEG message after the Mega Earthquakes in Turkey & Syria (6th of February 2023)

Our friends and colleagues,

On behalf of the International Association for Engineering Geology and the Environment (IAEG), we express our deepest condolences to the Turkish and Syrian people. We are all so devastated by the losses after these mega earthquakes and our thoughts are with the victims of the earthquakes and their families. At the same time, we wish a speedy recovery to the injured and express our undivided solidarity with the many affected.

The IAEG board is from the first moment next to the National Group of Turkey and more specifically to Remzi Karaguzel and Halil Kumsar (Chairman and Secretary of the Turkish NG) and Resat Ullusay and Atiye Tugrul (past IAEG and FedIGS Ex. Com officers and experienced colleagues). Our association and our experts, from our numerous member countries, are ready to support a coordinated scientific mission and field reconnaissance towards the research of the geological effects of these mega earthquakes. IAEG will sponsor the works of this particular EnGeo mission, mapping landslides, liquefaction, fault rupture and other failure phenomena, in the wider area, collaborating closely with other scientific geotechnical operations of our sister societies but also with the local chapters.

In these difficult times, we stand by the people and their families and we are in constant contact with all the geo-engineering scientific teams to coordinate accordingly all our efforts to provide our assistance after all rescue exertions.

Sincerely,

Dr. Vassilis P. Marinos
President of IAEG

A handwritten signature in blue ink that reads 'V. Marinos'.

04/ IAEG OFFICERS 2023-2026

President — Dr. Vassilis Marinos



Prof. Vassilis Marinos is an Assistant Professor of Engineering Geology and Rock Mechanics at the National Technical University of Athens, School of Civil Engineering, Geotechnical Division, while he had been in the past an Associate Professor of Engineering Geology at the School of Geology, Faculty of Sciences, Aristotle University of Thessaloniki (2010-2020).

He has published more than 100 papers in international journals, book chapters and international conferences. His research interests are in the field of the geotechnical classification and behaviour of weak and complex

rock masses in tunnelling, landslide hazard and risk analysis, natural gas pipelines, construction of geotechnical database for tunnels and urban environments, rock slope stability and evaluation and analysis of ground movement in mines. His professional experience involves consulting services for numerous highway projects, tunnelling, rockfall and landslide analysis, geohazards correlated to natural gas pipelines but also engineering geological work.

The evidence of esteem and external visibility of Vassilis Marinos are more than 2100 citations of his research work in international journals and international conferences, while his research results are included in guidelines of major projects in the industry and in geotechnical software.

He has been a member of numerous professional and scientific bodies such as ISRM, ISSMGE, ITA, a member of the editorial boards of the scientific journals “Bulletin of Engineering Geology and the Environment” and “Journal of Geotechnical and Geological Engineering” as well as a reviewer for numerous journals, such as “Rock Mechanics and Rock Engineering”, “Journal of Rock Mechanics and Mining Sciences”, “Engineering Geology”, “Journal of Geotechnical and Geological Engineering” and “Tunnelling and Underground Space Technology” and others.

Secretary General — Prof. Faquan Wu



Prof. Faquan Wu has been the Secretary General of IAEG for the term of 2011-2014, 2015-2018 and 2018-2022. He has been devoting himself to make important contributions to improve the management of the Secretariat for 12 years. Moreover, he has been devoting himself to promote the development of IAEG at home and abroad for nearly 16 years since his first position in IAEG as president of IAEG China National Group. He will try his best to provide valuable services to IAEG members, and engage himself for the future development of IAEG and the discipline of engineering geology, especially promoting STA and IRP to improve the influence of engineering geology and IAEG in the scientific community.

Treasurer — Dr. Jean-Alain Fleurisson



Jean-Alain Fleurisson is Senior Research Scientist at the Geosciences and Geoengineering Research Department of École des Mines de Paris (MINES Paris-PSL University) and head of the MIRIS post-master Training Program in “Mineral Resources Industry and Society” addressed to experienced geologists and mine engineers working in mine companies all around the world.

Graduated as engineering geologist, he completed a Ph.D. in Engineering Geology on a subject relating to the interaction between explosive energy,

rock masses and slope stability in the phosphate mine of Ben Guerir (OCP-Morocco). He then joined the Centre for Engineering Geology at MINES Paris, now integrated in the Geosciences and Geoengineering Research Department, where he has been involved for almost 30 years in teaching and research works in the field of Engineering Geology and Geomechanics with focus on scientific and technical applications to civil and open pit mining engineering works and natural hazards, and open pit mining engineering.

As Director of the MIRIS postmaster training program since 2001, he is responsible for recruiting trainees abroad, definition of the program content and the training management. He also actively participates in the teaching activities and supervision of trainee’s personal application works dealing with mining projects all around the world.

As research scientist, he has taken part in several international research projects or expertise works in the field of mining industries such as slope design projects of open-pit mines in France and abroad, civil engineering works such as the permanent ship locks of the Three Gorges Dam in China, and natural hazards such as slope stability under earthquake and topographic site effects.

He is also now member of the steering committee of the research and training Chair in Mineral industry and Territorial Dynamics created in 2020 with the financial support of industrial and institutional sponsors. It is aimed at developing research projects and training programs to improve the integration of mining projects in their physical, social, and human environment, and facilitate the dialog between stakeholders in the joint-setting-up of mining projects.

Vice President for Asia — Prof. Yong-Seok SEO



Yong-Seok SEO is the professor at Department of Earth & Environmental Sciences, Chungbuk National University. He has served a critical role in IAEG Korean National Group for more than 20 years. He will carry out his work from the aspects of increasing memberships, recruiting new national groups, supporting developing countries to educate engineering geologies, and organize young engineering geologist groups in Asia, and arrange for them to interact with corresponding groups in IAEG. In addition, he will conduct a program that invited lecturers to antional group conferences, to promote the academic exchanges actively.

Vice President for Asia — Dr. Ranjan Kumar Dahal



Dr. Ranjan Kumar Dahal is a professional Engineering Geologist and geohazard expert in Nepal. He is serving Tribhuvan University as an Associate Professor of Engineering Geology in the Central Department of Geology. He has published more than 120 technical/scientific papers, which has more than 2600 citations with the h-index of 23. He is also the author of five books and co-authored three books. Based on his excellent credential and academic contribution, he has been awarded Young Scientist of Nepal in 2009 by Nepal Academy for Science and Technology (NAST) and in 2010, the Government of Nepal

appointed him as a Fellow Academician in NAST. He is serving Kagawa University (Japan), UNESCO Chair Program of Shimane University (Japan) as visiting professor, and Ehime University, Japan as visiting associate professor. He is the Management Director of the International Consortium of Geodisaster Reduction (ICGdR). He is the Associate-Editor-in-Chief of Springer Journal Geoenvironmental Disasters. He is also serving as an editorial board member in the Bulletin of Engineering Geology and Environment (BoEG), an official journal of IAEG. Dr. Dahal has worked on various research projects, training courses, and consulting projects related to geohazard risk assessment in Japan, Taiwan, Uganda, China, and India. With such long expertise and exposure to national as well as international engineering geological research and teaching, he is serving Nepal for suitable mitigation practices for landslides and earthquake resist buildings. Dr. Dahal has started technology for rockfall hazard mitigation for Nepal. His team has customized the installation process of the rockfall hazard mitigation system in Nepal. And having vested interest to use research findings in implementation, he has been continuously advocating for research-based sustainable mitigation and prevention practices of geohazards in Nepal.

Dr. Dahal is associated with IAEG since 1999 and serving IAEG in its various activities since then.

Vice President for Africa — Prof. Moshood Niyi TIJANI



Moshood N. TIJANI, holds a B.Sc degree in Geology and M.Sc. Degree in Hydrogeology and Engineering Geology respectively from the University of Ilorin, Nigerian and University of Ibadan, Nigeria. He also holds a Post-graduate Certificate in Hydrogeology and Engineering Geology of Tropical regions from University of Tuebingen, Germany and a doctoral degree in Hydrogeology and Hydrochemistry from the University of Muenster, Germany.

He is a Professor of Hydrogeology and Environmental Geology at the Department of Geology, University of Ibadan, Nigeria, with over 20 years of teaching and research experiences. His research interests centered on Hydrogeology, Engineering Geology and Environmental Geology. He has to-date over 90 scientific publications in learned journals and edited proceedings and has attended and presented papers at numerous International and Local conferences.

He is a member of national and international professional Associations including International Association for Engineering Geology and the Environment (IAEG). Prof. Tijani is the immediate past President (2019 – 2021) of the Nigerian Association for Engineering Geology and the Environment (NAEGE). He is also a Life Member of Geological Society of Africa (GSAf) as well as National Representative of the World Association of Soil and Water Conservation (WASWC). He is at different times the Editor-In-Chief of the Journal of Mining and Geology (NMGS) and Journal of Nigerian

Association of Engineering Geology and the Environment (NAEGE).

Prof. Moshood Tijani was a recipient of several awards and prizes among which are: the University Scholar Award, University of Ilorin, Ilorin for three consecutive years (1984-1986); German Academic Exchange (DAAD) Scholarship Award for Postgraduate Programme (1991-1997); Post-Doctoral Research Fellowship Award of the Matsumae International Foundation, Tokyo Japan (2001) and Japanese Society for the Promotion of Science (2003-2005). He had also received several UNESCO and DAAD travel grants for International Conferences among which are Phoenix, Arizona, USA (2007); Munich, Germany (2008); Ilmenau, German (2009); Braunschweig, Germany (2009), Abu-Dhabi, UAE (2010); Berlin, German (2011); Kenya (2012); as well as Berlin and Munich (2014).

In addition, he was the First, Second and Third prize winner of the NMGS-TOTAL FINAL ELF AWARD for the best technical paper at the NMGS Annual Conference, in Port-Harcourt (2002) and in Lagos (2005) Ibadan, (2021) respectively. As an experienced Geoscientist, Prof. Tijani is a Registered Geoscientist with the Nigerian Council of Mining Engineers and Geoscientist (COMEG).

Vice President for Australasia — Dr. Anthony Bowden



Dr. Anthony Bowden is an Engineering Geologist, with over thirty-five years of experience working in Australasia, South-East Asia, Southern Africa and Europe. After graduating in the UK in the mid-1980's he spent four years working in gold mining and exploration in southern Africa and Australasia, before returning to the UK to begin my career in civil engineering. He spent over 20 years working with the UK based firm Arup, in Europe, east Asia and Australasia. During this period of his career he received fabulous project experience and mentoring from some of the worlds finest geotechnical

engineers. In 2013 he started a new chapter of my career by starting my own independent consulting firm in Australia.

He has been an active member of the IAEG for many years through the Australian Geomechanics Society which represents IAEG, ISRM and ISSMGE in Australia. He takes great pride and enjoyment in helping to deliver on behalf of the AGS and IAEG, professional development courses in engineering geology for their members in the region.

Vice President for Europe — Dr. Helen Reeves



Helen Reeves is an internationally leading and renowned Chartered engineering geologist, specialising in site, rock mass and geohazard characterisation, assessment and communication. She has 20 years' postgraduate experience in engineering geology and geohazard research, with over 30 peer review publications, policy review documents/ reports and industry commissioned reports covering a range of topics from site and geohazard characterisation & assessments, mapping, rock mass characterisation, and geomechanics. In Jacobs Helen is the

Head of Discipline for Engineering Geology (Europe). She is involved in a range of projects with mainly a nuclear site characterisation and geohazard assessment focus. Before joining Jacobs in 2020, Helen was at the British Geological Survey (BGS) for 18 years. For the last 12 years at BGS she was the Science Director for Engineering Geology & Infrastructure. In this role Helen provided regular technical advice to both the UK (Cabinet Office, GO Science - SAGE) and Scottish (e.g. Scottish Resilience) governments through her BGS and Natural Hazard Partnership (NHP) roles.

Additionally, she has advised several international boards (e.g. US Transport Research Board), technical scientific groups (US National Research Council, International Ass. Engineering Geology & the Environment, EU Civil Protection) and industry stakeholders (e.g. CIRIA Geotechnical Asset Owners Forum, Network Rail, Highways England, HS2). In 2020 Helen received the Geological Society of London's Coke Medal; in 2017, the Yorkshire Geological Society's Bisat Award and in 2015 and she was awarded the Geological Society's Engineering Geology Group Award. Helen has been involved with the IAEG since 2006 and IAEG UK National President/Secretary since 2010.

Vice President for Europe — Dr. Janusz Wasowski



Dr. Janusz Wasowski is a senior geologist at CNR-IRPI in Bari, Italy. He also serves as the Official Representative of the National Research Council of Italy to IAEG. Dr. Wasowski is qualified as Full Professor in Applied Geology and Geomorphology in Italy (since 2017). Since 2016, he has been the Editor-in-Chief of Engineering Geology (Elsevier), and since 2018, a Visiting Professor at the State Key Laboratory for Geohazard Protection (SKLGP), Chengdu University of Technology (CDUT), China. For several years he has held the position of Science Officer of the Natural Hazards Group Programme, European Geosciences Union (EGU).

Dr. Wasowski's work covers a broad spectrum of research topics ranging from slope instability and landslide assessment, collateral seismic hazards, geotechnical field investigation and in situ monitoring, to exploitation of air/space-borne remote sensing and geophysical surveying in engineering geology. He has also served as a consultant, focusing on landslides and other geohazards and on the applications of satellite multi-temporal interferometry for monitoring terrain and infrastructure instability.

Dr. Wasowski is an author/co-author of about 200 scientific/technical contributions (journal articles, books/book chapters, proceedings articles), majority in international publishing venues <https://scholar.google.com/citations?user=2GFISNkAAAAJ&hl=it&oi=ao>

Vice President for North America — Dr. Julien Cohen-Waeber



Dr. Waeber has over 15-year experiences in geotechnical engineering and engineering geology, in North and Central America, Southeast Asia and Europe. He specializes in the assessment and mitigation of geologic hazards, construction support and characterization of weak and chaotic rock masses. He has extensive experience with evaluation and design of dams, roadways, landfills, commercial development, pipelines, and natural and manmade slopes. He also has deep experience with the application of remote sensing technologies including continuous GPS, InSAR and LiDAR, particularly for landslide hazard assessment.

Dr. Waeber is currently a managing consultant at Exponent, where he provides cause and origin of failure analysis and expert witness consulting in cases relating to geotechnical engineering, engineering geology and construction.

Dr. Waeber has served as an Adjunct Instructor in the Civil and Environmental Engineering Department at Portland State University, teaching a course on slope stability. He also served as a Teaching Assistant at the University of California, Berkeley, for graduate and undergraduate courses in engineering geology, geotechnical engineering, geology, petroleum geology, and geotechnical earthquake engineering. Dr. Waeber has been an active and devoted member of the IAEG USA National Group, the Association of Environmental and Engineering Geologists (AEG),

for nearly 20 years. He has provided valuable leadership and engagement through his roles as the AEG San Francisco Bay Area chapter chair and IAEG USA NG Representative.

Dr. Waeber is French-American and passionate about cooking and travelling. He is fluent in English, French and Spanish and is currently learning Greek. He enjoys all outdoor activities with an affinity for wilderness excursions, playing football and rowing. When they are not off adventuring, Dr. Waeber and his Greek-American wife Demetra live in Portland, Oregon, USA.

Vice President for Latin America — Prof. Víctor Manuel Hernández Madrigal



Víctor Manuel Hernández Madrigal is the professor and researcher at the Institute for Research in Earth Sciences of the Universidad Michoacana de San Nicolás de Hidalgo. He is Civil Engineer with a Master in Metallurgy and Materials Science and Ph.D. in Geography. He has been working with hydrogeological risks, specially landslides and subsidence monitoring. He has level one recognition from the National System of Researchers of Mexico. He is Co-founder of the Institute for Research in Earth Sciences and its director (2018-2022), founding President of the Mexican Association

of Hydrogeological Risks (2021-2023) and of the Mexico National Group of the International Association for Engineering Geology and the Environment (IAEG). He was recently elected as vice president of the IAEG Latin America region for the period 2023-2026, and He will make every effort to strengthen the collaboration of the current national groups and the integration of new ones.

05/ CALL FOR THE HOST OF XV IAEG CONGRESS

Submit Proposal for the Host of XV IAEG Congress

We would like to catch your attention to submit proposals of hosting 15th IAEG Congress in 2026, if you have the plan to host this big event of IAEG which is organized every four years, please prepare a proposal and submit to IAEG Secretariat, the proposal will be presented to the Council for approval at the council meeting in September, 2023.

You can also propose to host regional conferences of different continents including Asian Regional Conference, European Regional Conference, African Regional Conference, Latin American Regional Conference etc. Please contact the secretariat if you would like to apply for any IAEG International Event.





2022 RICHARD WOLTERS PRIZE WINNER

The jury is composed of five members, who are Niek Rengers, Atiye Tugrul, Doug Johnson, Haris Saroglou, and Silvina Marfil. Dr. Jennifer Day (nominated by Canadian National Group) is awarded as the winner of 2022 Richard Wolters Prize, Dr. Wenping Gong (nominated by Chinese National Group) and Dr. Gianvito Scaringi (nominated by Czech Republic National Group) are awarded as the Runners-up of 2022 Richard Wolters Prize, for their meritorious scientific achievements and contributions to engineering geology.

2022 Richard Wolters Prize Competition Video

<https://www.youtube.com/watch?v=qzvKo5x86mo> (for the competition on October 10, 2022)

<https://www.youtube.com/watch?v=9Eu0qvBg3bl> (for the competition on October 11, 2022)



Dr. Jennifer Day is a Geological Engineer and registered as a Professional Engineer (PEng) and Professional Geoscientist in the provinces of Ontario and New Brunswick, Canada. She is an expert in engineering geology, site investigation, physical rock mechanics (geomechanics), rock engineering, geohazards, and advanced computational analysis for rock engineering in complex heterogeneous rockmasses encountered in mining, geohazard assessment, tunneling, and fragmentation applications. She is currently President of the Canadian Rock Mechanics Association (National Group of the International Society for Rock Mechanics and Rock Engineering (ISRM)), Chair of the Rock Mechanics

Division of the Canadian Geotechnical Society, and Chair of RockEng22, the 22nd Canadian Rock Mechanics Symposium.

Dr. Day's research currently focuses on three themes: (i) geological and engineering characterization of heterogeneous ground, including intrablock structures, foliation, and breccia; (ii) development of geomechanics laboratory test methods for application in numerical rock engineering design, with applications in mining, long-term underground nuclear waste storage, and other energy infrastructure; and (iii) engineering geology and public safety risks associated with instability of natural shoreline rock formations (cliffs, sea stacks, arches). To accomplish her research, she has raised more than \$1,000,000 CAD in funding, has supervised 27 research students (1 Doctoral, 12 Master's, and 14 Undergraduate), and advised 8 undergraduate design team projects (4 students per team). Dr. Day has authored more than 70 publications including 3 book chapters, 11 journal articles, 34 refereed papers in conference proceedings (6-12 pages each with oral presentation), and 25 conference abstracts with presentations (oral/poster). Her research contributions have been recognized internationally by awards and invitations.

Most recently, she is awarded the winner of 2022 Richard Wolters Prize by the International Association for Engineering Geology and the Environment (IAEG), for her meritorious scientific achievement. She is the first Canadian recipient in this award's history. Her PhD research was awarded the international Dr. N.G.W. Cook PhD Dissertation Award from the American Rock Mechanics Association (ARMA) in 2017, for the most outstanding doctoral dissertation in rock mechanics or rock engineering in North America. In 2014, she received the Dan Eisenstein Memorial Scholarship Award for Research from the Tunneling Association of Canada.

Her students have also received international research awards; for example, Matthew Clark won the 2020 Master's Thesis award from ARMA on the topic of laboratory testing of heterogeneous rocks.

Please refer to <https://www.dropbox.com/s/uxhn1hw33frl1iq/Jennifer%20Day%20-%20BIOGRAPHY%20-%20October%202022.pdf?dl=0> for the detailed introduction of Dr. Jennifer Day.

2022 Richard Wolters Prize Runners-up

Dr. Wenping Gong

Dr. Wenping Gong is a professor at China University of Geosciences (Wuhan). He has conducted fundamental and applied research in engineering geology (including geotechnical engineering). His research interests include geohazards, site characterization, risk and reliability, uncertainty modeling, and remote sensing. Prof. Gong's most significant academic contribution is the pioneering research in remote sensing image analysis-based automatic landslide identification and quantitative risk assessment, publishing 71 research journal papers and 28 peer-reviewed conference papers. Google Scholar lists his h-index at 23 with over 1300 citations. Since joining the China University of Geosciences in 2017, Wenping has established a sizeable research group focusing on geohazards assessment and reliability-based solutions. He has also received highly competitive funding multiple times from the National Science Foundation of China.

Please refer to <https://www.dropbox.com/scl/fo/lzdgqlkqtgdw8e5t6ndvb/h?dl=0&rlkey=k3hq7336ddgfsnuu4d9q16dcq> for the detailed information of Dr. Wenping Gong.

Dr. Gianvito Scaringi

Dr. Gianvito Scaringi is an assistant professor at Charles University in Prague, Czech Republic. During this very fruitful period, Dr. Scaringi authored numerous key papers on the aftermath of the 2008 Wenchuan Earthquake, studying geomorphological, engineering geological, as well as geo-mechanical aspects. He authored studies on the interpretation of landslide abundance and post-earthquake debris flows, which also led to the release of the most complete multitemporal inventories of earthquake-induced land-sliding to date. He also co-led an international team that produced a comprehensive review titled "Earthquake-Induced Chains of Geologic Hazards: Patterns, Mechanisms, and Impacts". Since Gianvito Scaring achieved his PH.D., he managed to publish over 50 papers in high impact international journals, many of which as either first or corresponding author. According to Scopus, he received almost 1500 citations and has an H-index of 20.

Please refer to <https://www.dropbox.com/scl/fo/yjbyl3aff0gg9d7ps100o/h?dl=0&rlkey=2n978isdt21os0jesooltpg62> for the detailed information of Dr. Gianvito Scaringi.

07/ YEG ACTIVITIES

13th e-YEG webinar - "Instability phenomena in granitic slopes and Tunnel geoengineering"

Presentations from Dr. Leandro R. Alejano (Spain) & Dr. Chrysothemis Paraskevopoulou (UK).

https://www.youtube.com/watch?v=sMrh_rv7ZLI&t=2313s

The group of Young Engineering Geologists (YEG) – IAEG invites you to the 13th series of "e-YEG" webinars with invited presentations from Dr. **Leandro R. Alejano** (Spain) & Dr. **Chrysothemis Paraskevopoulou** (UK)



**Day: Wednesday 21st December 2022**
Time: 16:00 UTC (GMT)
Platform: Zoom App



Natural instability phenomena in granitic slopes: Stability of single granitic boulders and rockfall in boulder fields

The future of geo-engineering in complex underground environments

Dr. Leandro R. Alejano is a full professor of rock mechanics in the Department of Natural Resources & Environmental Engineering at the University of Vigo (Spain). He obtained a PhD in Mining Engineering at the Department of Mining Engineering, Universidad Politécnica de Madrid, Spain, in 1996, on the topic of numerical modelling of coal subsidence. He was appointed as an associate professor of Rock Mechanics at the University of Vigo in 1998 and as a full professor in 2020. He has been in charge of teaching and research programs in rock mechanics for mining since 1998. He was visiting Scholar at Colorado School of Mines (USA) and Politecnico de Torino (Italy) among other relevant institutions. He has taught post-graduate courses in various Spanish, Italian and South-American institutions.



Chrysothemis is a Mining Engineer (MEng) with post-graduate studies (MSc) in Tunnelling & Geological Engineering from NTUA (GR). In 2016, she completed her PhD in tunnelling, which involved working on a joint Research Project between Queen's University and ETH Zurich. In 2017 she was appointed Assistant Professor at the University of Leeds (UK), where in 2019 she got her tenure (permanent chair). She has also been appointed as visiting Lecturer at Warwick University in the UK and Adjunct Professor at Queen's University in Canada. Her research deals with geo-engineering innovative design for resilient and sustainable geo-structures and their societal impact. She has published more than 50 papers in international journals and conferences. She also works as a Consultant and in the past as a Geotechnical/Tunnel Engineer.


14th e-YEG Webinar at 16:00 UTC (GMT) on January 26, 2023 (Thursday)


Presentations from Dr. Walter J. AMMAN (Switzerland) & Ms. Malena D'Elia Otero (Brazil)

<https://www.youtube.com/watch?v=KKprmMbSjzk>

The group of Young Engineering Geologists (YEG) – IAEG invites you to the 14th series of "e-YEG" webinars with invited presentations from Dr. **Walter J. AMMANN** (Switzerland) & Ms. **Malena D'Elia Otero** (Brazil)



**Day: Thursday 26th January 2023**
Time: 16:00 UTC (GMT)
Platform: Zoom App



Natural hazards – How safe is safe enough?

Experiences from IAEG International Summer School

Walter Ammann got his MSc in civil engineering and his PhD in structural dynamics and earthquake engineering, both at ETH Zurich, Switzerland. He has been working in R&D for 40 years+, often in close cooperation with the public and/or private sector. From 1992 – 2006, he was head of the WSL Institute for Snow and Avalanche Research SLF in Davos and head of the Natural Hazards' Division at the WSL in Birmensdorf, Switzerland. He is the founder of the Global Risk Forum GRF Davos, a foundation promoting the integrative risk reduction and disaster management approach through international conferences. He is author and co-author of over 250 papers, books and scientific reports and is a member of various national and international expert groups and editorial boards and does consulting for various international development banks.

Ms. Malena D'Elia Otero has a BSc. in Geology from the University of São Paulo and MSc. in Geosciences from Campinas State University, where she is currently a Ph.D. researcher. Her Ph.D. research focuses on landslide early detection using soil humidity sensors and inertial sensors for early warning systems. She worked as an engineering geologist in infrastructure design companies, mainly in tunnel projects, and nowadays she works at the Municipal Civil Protection Coordination at São Paulo City Hall, Brazil. Her main interests are landslide monitoring and detection, hazard and risk assessment and risk disaster reduction. She serves as a member of the Young Engineering Geologist (YEG) committee, of the Brazilian Association for Engineering Geology and the Environment (ABGE) and its young members chapter (ABGE Jovem).

Travel Grant For 2nd IAEG Summer School

YEG and IAEG are inviting applicants for the travel grant award of the 2nd IAEG summer school.

Send your application to iaeg.yeg@gmail.com (Application deadline: March 30, 2023)

- A cover letter of his/her initiatives (max 2 pages)
- Summer school application
- A breakdown of expenses (accommodation and flights)

If you have any open questions, please contact us at iaeg.yeg@gmail.com

**2nd SUMMER SCHOOL of IAEG*

CLIMATE CHANGE: IMPROVING KNOWLEDGE TO HELP REDUCING GEO-HYDROLOGICAL RISKS OF EXTREME EVENTS

Where: Aosta Valley (ITALY) 3 – 11 July 2023

The school is dedicated to PhD students in Earth Sciences and Engineering Geology. NO REGISTRATION FEE IS REQUIRED. The number of participants is limited, and the application is due to March 30, 2023.

08/ MEMBERSHIP CONCLUSION IN 2022

By December 31, 2022, the number of IAEG memberships is 4846 from 69 national/regional groups, 2008 with Bulletin, 2814 without Bulletin. The digital Bulletin can be received by token which will be distributed to members through email by Springer.

VP	No.	NG	total	With B.	Without B.	Associate members
Doug Johnson	1	Australia	361	156	205	0
	2	New Zealand	522	183	339	0
Vassilis Marinos	3	Albania				
	4	Austria	20	10	10	0
	5	Bulgaria	10	7	3	0
	6	Croatia	25	7	18	
	7	Cyprus				
	8	France	111	71	31	9
	9	Georgia	14	1	13	0
	10	Greece	89	22	67	0
	11	Hungary				
	12	Italy	94	85	9	0
	13	Portugal	65	37	27	1
	14	Romania	22	0	22	0
	15	Serbia				
	16	Slovenia	43	0	43	0
	17	Spain	33	33	0	0
	18	Switzerland	59	59	0	0
	19	Turkey	121	121	0	0
	Eugene A. Voznesensky	20	Belorussia	6	3	3
21		Netherlands	28	28	0	0
22		Lithuania				
23		The United Kingdom	399	399	0	0
24		Belgium	69	35	34	0
25		Czech Republic	31	11	20	0
26		Denmark				
27		Estonia				
28		Finland				
29		Germany	467	39	428	0
30		Iceland				
31		Ireland				
32		Norway				
33		Poland				
34		Russia	85	30	55	0
35		Slovak Republic	6	3	3	0
36		Sweden	47	47	0	0
37		Kyrgyzstan				
38		Uzbekistan				
Tamunoene Kingdom Simeon Abam	39	Algeria				
	40	Nigeria	91	57	34	0
	41	South Africa	202	1	201	0
D. Jean Hutchinson	42	Canada	99	88	11	0
	43	USA	221	0	221	0

Norberto Jorge Bejerman	44	Argentina	14	14	0	0
	45	Bolivia	15	11	4	
	46	Brazil	19	10	9	0
	47	Chile	38	12	26	0
	48	Colombia	11	9	2	0
	49	Costa Rica	18	11	7	0
	50	Mexico	5	4	1	0
	51	Paraguay	30	0	30	0
	52	Peru				
Bo-An Jang Huiming Tang	53	Bangladesh	62	4	58	0
	54	China	585	227	358	0
	55	Chinese Taipei	60	51	9	0
	56	HongKong SAS	8	5	3	0
	57	India	84	28	56	0
	58	Indonesia				
	59	Iran	53	0	53	0
	60	Iraq				
	61	Japan	70	58	6	6
	62	Korea	85	0	85	0
	63	Malaysia	55	3	52	0
	64	Mongolia	10	3	7	0
	65	Myanmar				
	66	Nepal (NGS)				
		Nepal (NSEG)	127	2	125	0
	67	Singapore	110	10	100	0
68	SEAGS	7	7	0	0	
69	Vietnam	32	6	26	0	
Individual Member			6			
Associate Member			2			
Total			4846	2080	2814	16

09 REGIONAL CONFERENCES

The 14th Asian Regional Conference of IAEG in Kota Kinabalu, Malaysia on
February 26-28, 2024



ARC14 is organized by Society for Engineering Geology and Rock Mechanics Malaysia (SEGRM). The organizer offers an ideal opportunity and platform for professionals from the international engineering geology and geotechnical engineering community to exchange the latest experiences and ideas, particularly on the conference theme "Geoscience and Engineering for Disaster Resilience". In addition to the technical programs, we will organize short courses, workshops, technical visits, exhibitions, as well as social programs. We will also offer attractive programs for young researchers and students, such as Young Engineering Geologist Session

Conference Information

Website: <https://arc14.asia/>; Email: admin-arc14@segrm.org

Phone: +6018-2524267 (Whatsapp only)

Sub-theme

- Site Characterization, Field & Laboratory Testing and Problematic Grounds
- Geological Hazards (Landslides, Earthquakes, etc.)
- Engineering Geology and Geotechnics in Wet Tropical Terrains
- Tunnelling for Infrastructures and Underground Facilities
- Marine Engineering Geology and Offshore Geohazards
- New Technology in Engineering Geology and Geotechnics including Renewable Energy
- Special Session on 'Landslide Hazard and Risk Assessment' and 'Geoscience and Engineering Roles in Community-Based Disaster Risk Management'

Important Date

1st January 2023: Open for Extended Abstract Submission

30th May 2023: Dateline for Submission of Extended Abstract

30th July 2023: Confirmation of Acceptance of Extended Abstracts

31st October 2023: Last Day for Submission of Corrected Extended Abstract

Call For Abstract

ARC14 is calling for abstract. Please the website to submit your abstract through the link of <https://www.arc14.asia/> and https://drive.google.com/file/d/1zu9B95MoDZq7wSbvN6-Zk-pJhDmtGHn9/view?usp=share_link to download the abstract template.

Field Trip

(Sandakan Area): 2D1N/3D2N Bilit Rainforest Lodge; Sepilok Orang Utan / Kinabatangan River



(Lahad Datu Area) 3D2N Tabin Wildlife Reserve or 3D2N Borneo Rainforest Lodge



(Semporna Area): 3D2N / 4D3N Semporna Islands with Bohey Dulang Hike



Please click <https://www.dropbox.com/s/g9jlutf1chetwvg/ARC-14%20%28Second%20Circular%29.pdf?dl=0> for the 2nd circular of ARC14.

The 4th European Regional Conference of IAEG in Dubrovnik, Croatia on October 2-6, 2024



Croatian Geological Society
Engineering Geology Section
IAEG
Croatian National Group



To
IAEG Secretary General
Prof. Faquan WU

Zagreb, 11 May 2022

Dear Secretary General Dr. WU,

It is our great honor and responsibility that on behalf of the Croatian National Group of IAEG to express our interest to express our interest to request to organize the 4th European Regional Conference of IAEG, at the beginning of October 2024 in Dubrovnik, Croatia and host the Executive Committee meeting and council in 2024 at the occasion of this Conference.

The previous 3rd European Regional Conference (EURO-ENGEO 2020) held in Athens, Greece in September 2020 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. At the last Council meeting, the Secretary of the Croatian National Group of IAEG, Lovorka Librić, presented the initiative to organize the next conference in Croatia.

We would also like to bid the Executive Office and Council for 2024 on the occasion of the conference as well as to support 2024 IAEG award prizes. We believe that this would increase the involvement of European NGs, especially due to the fact that almost half of the IAEG members exist in Europe.

The conference will be organized with the collection of extensive abstracts and full papers, exhibitions and field trips. We would like to emphasize that we have the great support of Croatian Geological Survey, Croatian Geological Society and University of Zagreb which have large experience in organizing such a big events.

We are looking forward to have the opportunity to present more details about this proposal.

Sincerely yours,

Secretary:

Lovorka Librić

President:

Ivan Kosović

VODITELJ/PRESIDENT
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Tel.: +3851 6160831
Mob: +385 99 4340934
E mail: ikosovic@hgi-cgs.hr

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Kačićeva 26, HR-10000 Zagreb
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Fax: +3851 4827 001
E-mail: libric@grad.hr

The 4th African Regional Conference of IAEG in Botswana in the middle of 2024



**Botswana
Geoscience
Institute**
Excellence in Geoscience

Physical Address: Plot 11566, Khama 1 Avenue, Lobatse, Botswana
Postal Address: Private Bag 0014, Lobatse, Botswana
Telephone: +267 533 0327 / +267 533 0428
Fax: +267 533 4295 **Email:** info@bgi.org.bw

The Secretary General
International Association for Engineering Geology and the Environment

31 August 2022

Attention: Prof Faquan Wu

4th IAEG Regional Conference for Africa

It is the intention of the South African IAEG National Group (SAIEG) to co-arrange the 4th IAEG Regional Conference with the Botswana Geoscience Institute (BGI) in 2024.

There is currently no National group in Botswana, although there is close collaboration between some South African institutions and the Botswana Geoscience Institute. Due to the absence of a professional institute or other society specifically accommodating engineering geologist many professional engineering geologists residing and working in Botswana affiliates or become members of the South African Institute for Engineering and Environmental Geologists (also the local IAEG NG).

Botswana has a vibrant mining environment and also well-organized rock mechanics grouping as well as ongoing civil engineering projects and the development of engineering geological maps for the major development nodes.

The BGI and SAIEG are requesting the support of the IAEG for the hosting of the 4th IAEG Regional Conference for Africa in Botswana during the second half of 2024.

It has been agreed that BGI will provide the logistical arrangements and SAIEG will assist with the technical programme and review process.

The current initiation committee comprises Puso Akanyang (Director Science Delivery, BGI) and Louis van Rooy (Extraordinary Professor University of Pretoria – for SAIEG). Once the support from IAEG is received a properly constituted organizing committee will be established to initiate the relevant processes.

Regards,

A handwritten signature in blue ink, appearing to read 'Puso Akanyang' with a date '2/9/22' written next to it.

Puso Akanyang
For BGI

A handwritten signature in black ink, appearing to read 'Louis van Rooy'.

Louis van Rooy
For SAIEG

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

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 Karnafuly Tunnel" en route to world's largest Sandy Sea Beach Cox's Bazar.



10 NEWS OF NATIONAL AND REGIONAL GROUPS

CANADA

The Engineering Geology Division (EGD) of the Canadian Geotechnical Society (CGS) has been working on a definition of engineering geology as part of its mandate to promote the practice of engineering geology in Canada and to advocate for the profession. The purpose of the definition is to harmonize the various aspects of engineering geology and to encompass the breadth of practice within the profession. The definition will be used to help inform the CGS membership, the public, and other interested parties on the importance of engineering geology and what it entails. The definition will also be used to help guide what initiatives the Engineering Geology Division undertake.

In Canada, the practice of engineering and geoscience is not licensed by discipline and as such, there is no definition for engineering geology provided in any of the provincial or territorial Acts or Regulations. This necessitated that a search for information specific to engineering geology outside of Canada be completed. As part of the background information review completed by the EGD, information published by various organizations was consulted to identify existing definitions of engineering geology as well as the scope of practice. Organizations with definitions, documentation, and/or policies specifically related to engineering geology include, but are not necessarily limited to, the following:

- International Association of Engineering Geology and the Environment
- Association of Environmental and Engineering Geologists
- Geological Society of London
- Oregon State Board of Geologist Examiners
- Washington State Geologist Licensing Board
- State of California Board for Geologists and Geophysicists

In addition to the information available through the above organizations, various other publications including conference proceedings, journal articles, and opinion pieces were also reviewed. Based on the information reviewed, a general model definition reflecting engineering geology was developed by the EGD and is presented below.

“Engineering geology is the application of geology and geotechnics to engineering practice. The principal objective of engineering geology is to ensure that the geological and geotechnical factors affecting engineering works and geological hazards are appropriately recognized and adequately provided for to safeguard life and public welfare, infrastructure, and the environment against damage caused by geological conditions and processes.

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

“Geotechnics” refers to applied scientific work involving soil and rock mechanics, hydrogeology, structural geology, geomorphology, seismology, and other subdisciplines of geology as applied to the solution of geological, engineering, and environmental problems.”

The EGD is affiliated with the IAEG and through this relationship feedback on the draft definition is being requested. Persons interested in providing feedback should direct their comments to Andrew Peach, Chair of the Engineering Geology Division – Canadian Geotechnical Society, via email at admin@cgs.ca using the Subject: **CGS Engineering Geology Definition**.

CHINESE TAIPEI

The Black Friday Party on January 13, 2023

The Pandemic Stillness and The Story of The Black Friday Party



At the beginning of 2020, the COVID-19 virus swept across the globe, changing people's way of life. Many activities had to be forced to stop, and contact between people was forced to extend the distance. The Black Friday Party in Taiwan's geotechnical and engineering geology circle was also suspended for more than two years due to the pandemic.

The founder of The Black Friday gathering in Taiwan is Professor Ju-Jiang Hung from the Department of Civil Engineering at National Taiwan University. When Professor Hung went to study in the UK in 1973, he was invited to attend The Black Friday gathering in a pub located in the outskirts of London. He was deeply impressed by the free academic atmosphere and open-minded engineering communication, as well as the relaxed interaction and exchange between people. After returning home, he began to initiate the Black Friday gathering in Taiwan's geotechnical and engineering geology community. Over the decades, this event has grown from fewer than five people to the current grand scale of nearly a hundred attendees.

The Recover and The Commemoration

In the second half of 2022, as the pandemic gradually eased and a glimmer of hope appeared, the organizing committee began to plan the Black Friday Party. They selected a venue, estimated the number of participants, planned the party content and process, and sent out invitations. The final venue was set at The ILLUME Hotel in Taipei City, and all attendees were requested to wear black clothes.

However, during the preparations for the Black Friday Party, Professor Hung passed away at the age of 89 on October 2, 2022. While being sentimental, everyone took this opportunity to commemorate Professor Hung in this party and shared the bits and pieces of past experiences together. Professor Ming-Lang Lin from the Department of Civil Engineering at National Taiwan University, who was Professor Hung's doctoral student in the past, prepared a memorial slideshow which is an observing Professor Hung's life and contributions from a student's perspective. Yu-Ru Lu, a geotechnical engineer, wrote a Chinese classical seven-character quatrain poem to praise Professor Hung.

The Inheritance of The Black Friday Party

Professor Hung's children and grandchildren were invited to join this party. Yi-Sheng Hung, Professor Hung's son, shared their family life and Professor Hung's parenting with everyone. Yi-Ming Hung, Professor Hung's youngest daughter, said, "When I was a kid, I only knew that my dad would regularly attend the Black Friday gathering, and I thought it was just a common social event. It wasn't until I grew up that I realized that my dad was actually the founder. This is my first time attending, and I learned that the Black Friday gathering has facilitated valuable exchanges and friendships between people over the years. I am so touched and very proud of my father."

This Black Friday Party ended in a warm and pleasant atmosphere accompanied by delicious good food and wine. Although the gathering has ended, it has been deeply imprinted in everyone's hearts. We believe that many years later, when people recall this day, they will be filled with fond memories.

Good News and The Expectation for The Future

There is another good news. Since the Commission 25 of IAEG have already accomplished the Engineering Geological Models (EGM) Guidelines in 2022, organizing committee of the Black Friday Party shared this good news to all attendees. In order to promote this guideline and its spirit more widely in Taiwan, the EGM guidelines have begun to be translated into Traditional Chinese. We wish it could benefit more engineers, geologists, architects and professional workers in geotechnical field.



Fig 1. Group photo of The Black Friday Party on January 13, 2023

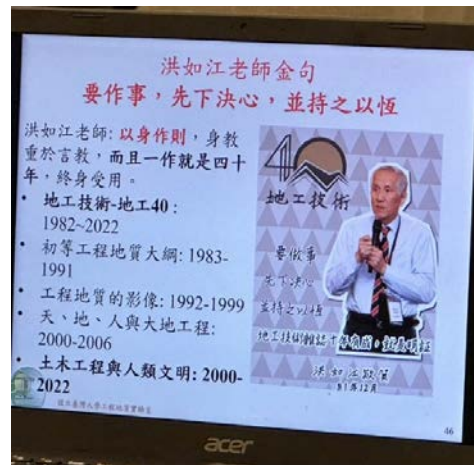


Fig 2. Professor Ming-Lang Lin (left) introduced the life and contributions of Professor Hung (right).



Fig 3. Professor Hung's Children, granddaughter, and good friends gathered in this Black Friday Party.

GERMANY

Obituary



Completely unexpectedly Dr. Helmut Bock passed away on 21 January, 2023, in his hometown Bad Bentheim Germany, at the age of 82.

Helmut was a well-known and highly respected member of the International Association of Engineering Geology and the Environment (IAEG). He studied Geology in Münster, München, and Berlin, and obtained his Doctorate in 1972 for his thesis connecting structural geology and rock mechanics at the faculty of Civil Engineering of Karlsruhe Technical University. His academic supervisor was Prof. Leopold Müller, (co-founder of the International Society for Rock Mechanics, ISRM).

After his promotion Helmut moved to the department of Engineering Geology at Bochum University under the direction of Prof. Klaus W. John. In 1976 Helmut accepted the position of Lecturer in Rock Mechanics at James Cook University in Townsville, Australia, where he developed an international educational program in Rock Mechanics for mining and civil engineering, and a research program for the development of borehole equipment for in-situ rock mass stress determination.

After 12 years at James Cook University Helmut, in 1988 made the switch from academia to industry by accepting the position of CEO of Interfels in Bad Bentheim, Germany, a company with 28 highly specialized personnel developing geotechnical equipment for the determination of in-situ rock mass strength and deformation properties. Interfels also executed measurement and monitoring programs in important engineering and mining projects.

After his retirement from Interfels in 1998, Helmut devoted a large amount of his time and creativity as chairman of the Section Engineering Geology of the German Geotechnical Society, which also acted as the German National Group of IAEG. The section flourished under Helmut's chairmanship with impressive yearly national conferences and technical exhibitions. One of Helmut's priorities was to provide a platform to younger engineering geologists at these conferences. The conferences were opened by the best paper presentation following a contest among young engineering geologists.

At the European level, Helmut chaired the international Joint European Working Group (JEWG) of IAEG, ISRM and ISSMFE, which produced in 2004 the excellent report: "Professional tasks, responsibilities and cooperation in Ground Engineering", subsequently accepted by all three International Associations as a basis for their cooperation. He also co-authored a paper "Competencies oriented curricula development in geoen지니어ing with particular reference to

Engineering Geology", based on the JEWG report, at the International Conference on Education and Training in Geo-engineering Sciences in Bucharest in 2008.

In 2004 Helmut was co-organizer of the IAEG Euro-Conference in Liege, organized together with the Dutch and Belgian National Groups of IAEG. Only a few months ago, Helmut terminated his position as German representative in the ISO Working Group Geo-Measuring Techniques, which he fulfilled for many years.

Helmut was still very much engaged in a project to be completed in October 2023: the Batavia Portico Project: the construction of a scale 1 : 1 Bentheim Sandstone replica of an entry gate for Batavia (today's Jakarta, Indonesia). The building stones for the original Portico were prepared in Bad Bentheim during the first part of the 17th century from locally quarried building stone. The ship Batavia, on which they were transported to Batavia in 1724 was lost on the coral reefs of West Australia, however the blocks were recovered and brought to land in 1972. The replica Portico is

presently under construction near the Bad Bentheim Sandstone Museum.

The IAEG international community has lost in Helmut a creative and influential scientist, a humorous colleague, and a very warm friend. Helmut is survived by his wife Christa, and his daughters Ellen, Sarah, Katrin, and son Benno, which he had with his first wife Anna who passed away in 1992.

Niek Rengers, Enschede, the Netherlands

IAEG president 2003 - 2006

JAPAN

2022 JSEG Annual Meeting

JSEG (Japan Society of Engineering Geology) held 2022 Annual Meeting on October 13th and 14th. The 2022 Annual Meeting was held as a hybrid of both on-site at Osaka and online. The total number of participants was 338, of which 87 were online. There were 97 oral presentations and 31 poster presentations.

As a special lecture, " Characteristics of ancient tombs in the 6th - 7th centuries. ~Aspects of Later to terminal period ancient tombs in the Asuka area~ " was given by Mr. Shinji Nishimitsu, assistant director of cultural properties division of education board in Asuka village and a lecturer at Kansai University. Asuka area is located approximately 40 km southeast of the center of Osaka city, and considered to be the place where the early Japanese nation was formed, and many palaces and historical sites have been excavated. In the Asuka area, there are many ancient tombs in which the imperial family and influential powerful families were buried, and they were constructed using the most advanced civil engineering technology of the time. He presented his findings on the fill construction methods obtained through the restoration of the ancient tombs. He also presented the effects of natural disasters on archaeological sites on the ruins.

Three special sessions have been held as below;

- Special Session 1: Applied Geology and Outreach of Local Disasters through Natural Disaster Lore Monuments.
- Special Session 2: From Local Geologist to Global Geologist! ~The Forefront of Overseas Situation - Internationalization of Applied Geology and Various Asian Situations.
- Special Session 3: Integration of Science and Engineering in the Urban Development.

In the Session 2, Dr. Yong-Seok Seo, President of the Korean Society of Engineering Geology and of Chungbuk National University had a presentation titled "Current activities and research issues of engineering geology in Korea". He introduced his overseas survey experiences, and education at the university in South Korea for students who want to become geotechnical engineers. Participants asked many questions and engaged in a lively discussion.

A career design seminar was also held, as in the previous year. In order to foster young human resources in the field of engineering geology, senior engineers introduced their own career as one of their role models, after which participants exchanged opinions with each other in group work.



Scene of 2022 Annual Meeting



Dr. Seo answers questions from a participant

KOREA

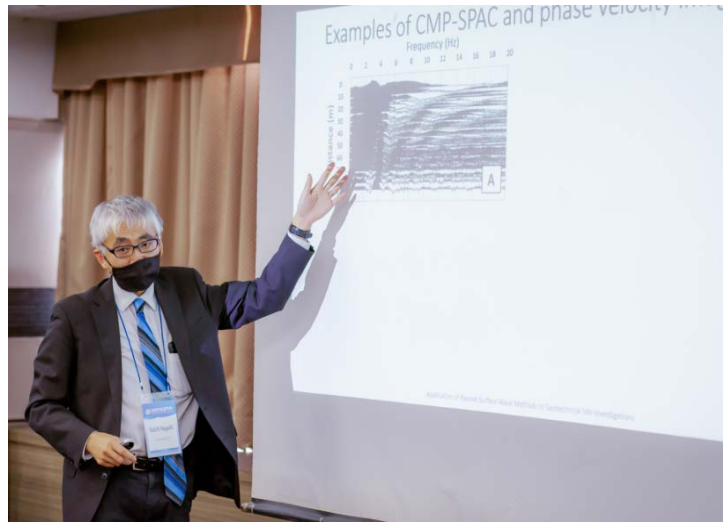
The 2022 fall conference of KSEG was held in Kyungju on Nov. 10-11 2022 with 156 participants and 64 papers. This conference was held as an off-line conference, the first time after the COVID-19. The keynote lectures were offered by Dr. Koichi Hayashi (OYO) with the title of Application of Passive Surface Wave Methods to Geotechnical Site Investigations. Moreover, the special lecture was offered by Prof. Gyucheol Jung (Andong National University, former president of KSEG) for celebration of his retirement. Concluding the conference, the banquet with lucky draw was offered with delightful atmosphere.



2022 KSEG Fall Conference



Field Trip



Keynote lecture

POLAND

Engineering geologists participated in IV Polish Symposium on Geointerdisciplinary Research Methods (GeoSym2022) on 26-29 September 2022.

Main topics of this meeting are:

- Innovative directions in the study of geological and engineering environment
- Sustainable development and geological environment
- Geohazards – identification of processes and their modelling
- Application of geophysical methods in geoenvironmental and engineering studies
- Current aspects of ground investigation
 - Application of remote sensing in the assessment of geoenvironment and engineering; constructions
- Soil-structure interaction

Currently involved papers prepared after Symposium are revised in 'Archives of Civil Engineering' and 'Open Geosciences'.

PORTUGAL

Celebration of the 50th anniversary of the Portuguese Geotechnical Society (SPG)

In 2022, the Portuguese Geotechnical Society (SPG) celebrated 50 years of its official constitution. However, it is fair to point out that its beginning dates back 70 years, since it was following the establishment, in 1951, of the Portuguese Society of Soil Mechanics, which developed its activity under the Committee of Soil Mechanics of the Association of Engineers, led by Manuel Rocha. A course on Soil Mechanics was promoted in 1952 having a great impact on the national technical community, and it can be considered a milestone in the implementation of Soil Mechanics in Portugal.

Geotechnics started then its journey in Portugal as an autonomous area of knowledge, i.e., four years after 1948, considered the year of formal recognition of Geotechnics as an autonomous area in Civil Engineering, when the journal *Geotechnique* started its publication in London.

The 50th anniversary celebrations of the official establishment of the Portuguese Geotechnical Society took place at the National Civil Engineering Laboratory (LNEC) between November 24 and 26. For this event, it was considered appropriate, due to its importance and timeliness, to choose the theme "Geotechnics as a reference of Portuguese Engineering", in order to disseminate the work already developed during the past of Portuguese geotechnics, to collect contributions on geotechnical works in progress and, above all, to look ahead to the near future, mainly to the impact of recent technological developments in modern geotechnics. This event was part of the program of celebrations of LNEC's 75th anniversary (Figure 1).

This evocative seminar, which was attended by more than 200 participants, was sponsored by 60 companies 15 of which were present in the technical exhibition.

Ricardo Oliveira and Manuel Matos Fernandes were the invited speakers to deliver a presentation on the theme "Research and teaching of Geotechnics: past, present and future" in which a very important summary on the evolution of Engineering Geology, Soil Mechanics and Rock Mechanics in the last five decades in Portugal was presented (Figure 2).



Figure 1 – Logo created to the joint celebration of the 50th year of SPG and the 75th year of LNEC.



Figure 2 – Image of the Opening Ceremony showing the several sponsors of the event (left) and Ricardo Oliveira (right), invited speaker for Session 2: Geotechnics research and teaching: past, present and future.

The first day of the seminar included 8 of the 10 Technical Sessions, ending with a commemorative dinner which took place at the Electricity Museum - Central Tejo.

The second day included presentations of two of the most relevant geotechnical works under construction in the new Metro lines of Lisbon and Porto, and a technical session on The contributions of technological evolution to Modern Geotechnics. A Roundtable discussion, in the afternoon, brought together the main players in the geotechnical and construction industry and was followed by the Evocative Session of the 50 Years of SPG in which a tribute was paid to notable colleagues who recently passed away, namely António Gomes Coelho and António Silva Cardoso.

In the Evocative Session of the 50th Anniversary of SPG, medals were delivered to six Honorary Members of SPG. Ricardo Oliveira was awarded with the medal (Figure 3).



Figure 3 – Ricardo Oliveira receiving the Medal as Honorary Member of SPG. In the picture Laura Caldeira (President of LNEC) and Alexandre Pinto (President of SPG).

In the morning of November 26, a technical visit to the works on the Lisbon Underground's Circular Line, Lot 1, took place.



11 NEWS OF COMMISSIONS

Commission 10

Global Stone Congress 2023 in Batalha, Portugal

The seventh edition of the Global Stone Congress, the primary technical-scientific event dedicated to the ornamental stone sector, is scheduled to take place in Batalha, Portugal, from June 18th to June 23rd, 2023.

GSC2023 will include a range of activities such as lectures, poster presentations, round tables, seminars, and workshops focused on architecture, innovation, and sustainability. Technical visits and networking opportunities are also being planned to facilitate interactions among participants.

The Cluster of Mineral Resources, the University of Évora, and ASSIMAGRA - Portuguese Association of the Mineral Resources Industry are organizing the Global Stone Congress 2023, covering various topics, such as

- Exploration, Exploitation, Quarrying,
- Processing, Transformation, Stone Characterization and New Products,
- Machines, Tools, And Consumables,
- BIM Integration in The Dimension Stone Industry,
- Environmental Recovery and Territory Management,
- Natural Stone and Architecture,
- Circular Economy and Sustainability,
- Climate Change Impact on Geomaterials,
- Geoheritage, Geoconservation,
- Health And Safety at Work,
- Licensing And Inspection.

The GSC2023 will feature plenary sessions with lectures given by invited specialists and technical sessions with the presentation of oral communications selected according to the sub-topics of the congress. During the breaks between the technical sessions, there will also be the possibility of presenting the remaining communications as a poster. Conferences and communications will be made available in digital format.

While attending the Global Stone Congress in Portugal, we encourage you to explore the Center of Portugal. The region offers something for everyone, from historic villages and thermal springs to mountain communities devoted to design, the world's largest waves, castles, canals, cherries, and wines. In this diverse region, visitors can expect to capture snapshots of life and legacy in a destination that defies definition and seeks to surprise.

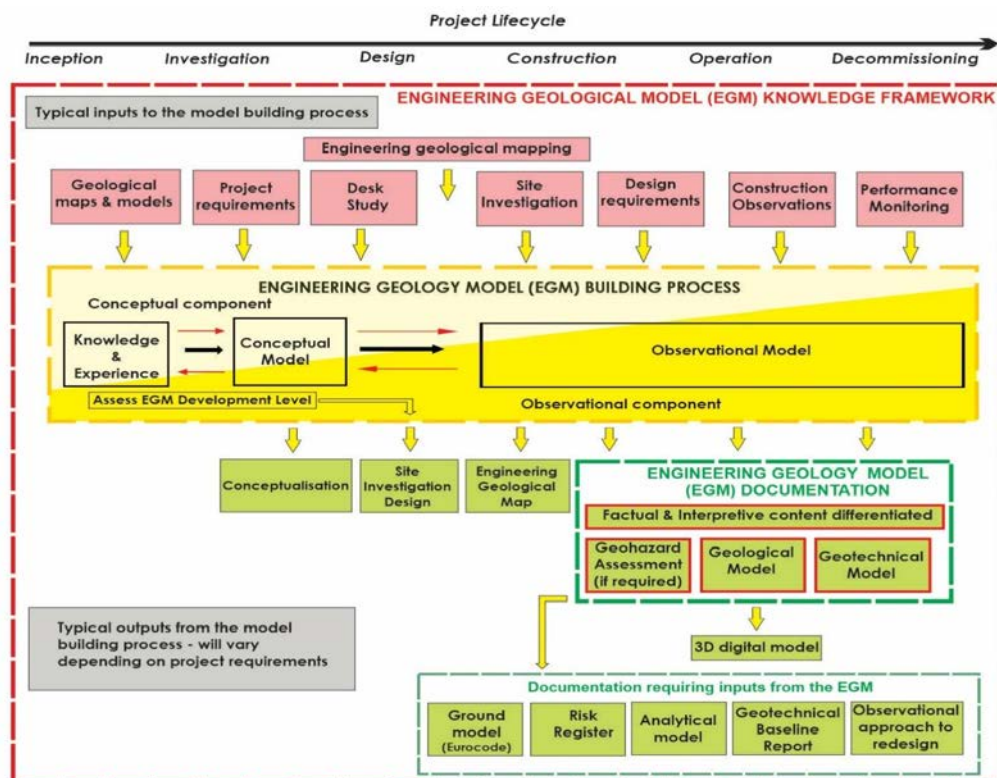
For anything unclear, please contact geral@clustermineralresources.pt for Cluster of Mineral Resources, lopes@uevora.pt for University of Évora, and public.relations@assimagra.pt for ASSIMAGRA.

Website: <https://globalstone2023.stonebyportugal.com/>

Commission 25

Commission 25 of the International Association for Engineering Geology and the Environment (IAEG) has recently published the “Guidelines for the development and application of engineering geological models on projects”. The Guidelines are freely downloadable (20MB) from the IAEG website at <https://www.iaeg.info/C25EGMGuidelines/>.

The purpose of these Guidelines is to provide succinct, practical, accessible and authoritative advice on the effective use of Engineering Geological Models in a wide range of applications including civil engineering, mining, geohazard studies, offshore studies, land-use planning and environmental assessments. The Guidelines are broad ranging, intended for use or reference by stakeholders in projects of all scales that interact with or require an understanding of the ground. They are intended to have worldwide application.



A schematic visualization of the EGM through the project lifecycle

The Guidelines comprise three parts: Advisory Clauses for the Development of EGMs (Part 1); Commentary on the Advisory Clauses (Part 2) and Examples of EGM Applications (Part 3).

The Guidelines incorporate the contributions of 57 individuals from 15 countries and represent the consensus views of the Working Group as to what they consider to be good practice.

For further information contact Steve Parry by sparry@ParryEGS.com

Commission 29

Commission 29 (Structure and Behavior of Soil and Rock Mass) was established in 2010, aiming at promoting new theory and technology, fostering international cooperation and intercourse on the domain for structure and behavior of soil and rock mass.

The C29 Chair Prof. Shengwen Qi reported the latest progress on one paper published in Journal of Geophysical Research: Solid Earth in 2022, in accordance with the objective of C29.

This paper has discussed the rate effect on the direct shear behavior of granite rock bridges from the insight of laboratory experiments. The authors applied an advanced dynamic direct shear testing device developed by Qi et al (2020), to test rock bridges at shear rate of 0.001 ~ 10 mm/s, and quantitatively characterized the failure surface morphology by integrating laser scanning with ArcGIS (Figure 1). The results show a notable dependence of both mechanical and morphological characteristics on shear rate, and the transition of failure modes from tensile failure at low shear rates to shear failure at subseismic shear rates. We explain the observed rate-dependent behaviors by the energy and geometric features of micro-cracking mechanisms.

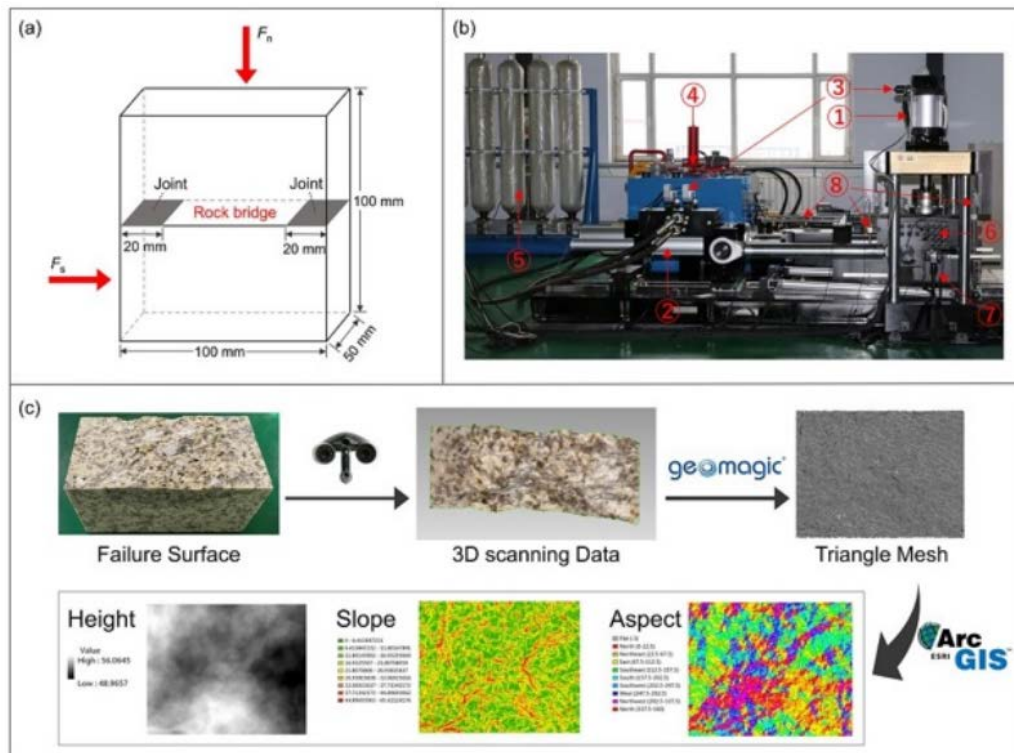


Figure 1 Photograph and schematic description of the experimental setup.

(a) Sketch of the granite sample containing non-persistent joints.

(b) Picture of the dynamic direct shear testing device. (c) Procedure for acquiring the morphological parameters.

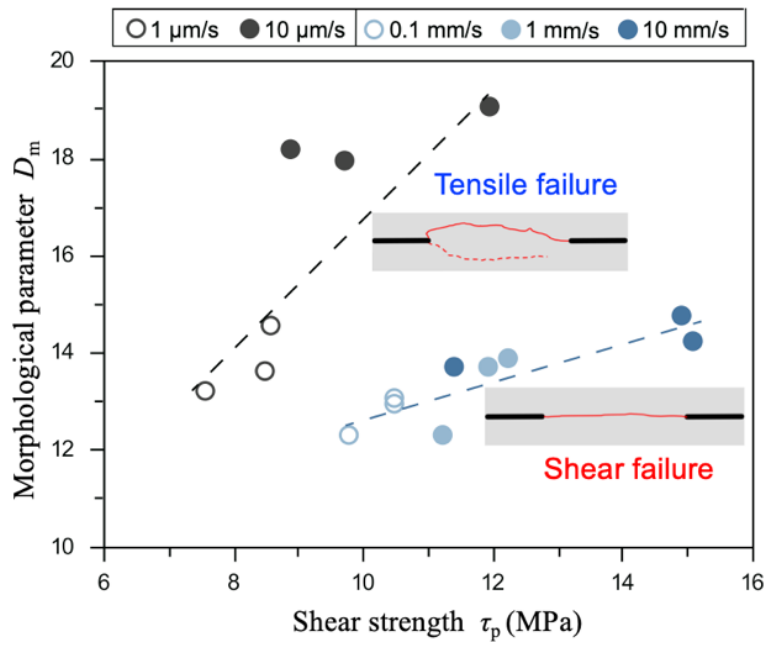


Figure 2 Rate-dependent mechanical and morphological characteristics and the transition of failure modes.

- Qi, S., Zheng, B., Wu, F. et al. A new dynamic direct shear testing device on rock joints. *Rock Mechanics and Rock Engineering*, 53(10), 4787– 4798. (2020). <https://doi.org/10.1007/s00603-020-02175-3>
- Luo, G., Qi, S., Zheng, B. Rate Effect on the Direct Shear Behavior of Granite Rock Bridges at Low to Subseismic Shear Rates. *Journal of Geophysical Research: Solid Earth* (2022) <https://doi.org/10.1029/2022JB024348>.

12/ XIV IAEG CONGRESS



The 14th Congress of the International Association for Engineering Geology and the Environment (XIV IAEG Congress 2023) will be held from September 21 to 27, 2023 in Chengdu, China.

1. Entry Policy

As a significant event in the field of geology in China, the XIV IAEG Congress 2023 has attracted a lot of attention from scholars and researchers both in academics and industry from all over the world. In the meanwhile, we are delighted to inform you that participants from abroad can travel to China much more easily and conveniently now, with the policy for entering China being loosened recently. All types of visas to China, including tourist visas, are available starting from March 15, 2023. Additionally, entry is also allowed for visas which were issued before March 28, 2020 but are still valid. Individuals arriving in China from abroad are no longer required to be quarantined or take a PCR test upon arrival. However, a negative test result within 48 hours before departure is still required for entry. For more details, please consult the embassy of the People's Republic of China in your country or region. China has become a hub for economic and technological development these years, so we believe that your visit to China will be both informative and productive. And we do hope we can facilitate your participation in XIV IAEG Congress by providing you with an easier way to enter China.

2. Field Trip

The congress also provides field trips for participants. The most representative and interesting routes will be designed and planned to take advantage of Chengdu's unique geological features, in order to provide the best experience for all participants. There are four routes designed for participants, and the final route information will be updated on the congress website.

- **Field Trip Dates: Sept. 26~27, 2023**
- **Route 1:** Chengdu-Yingxiu-Wenchuan-Diexi
- **Route 2:** Chengdu-Dujiang Yan-Yingxiu
- **Route 3:** Chengdu-Beichuan
- **Route 4:** Chengdu-Luding

The congress is now under intense preparations and everything is in order. The organizing committee will streamline the subsequent work and allocate tasks efficiently, in order to facilitate communication and collaboration and ensure the smooth running of the event.

The organizing committee has been working hard to ensure that every detail is taken care of. We are confident that the congress will be a great success, and the committee sincerely invites interested experts from around the world to come to Chengdu, China, to attend the congress and engage in

academic exchanges. We believe that this will lead to the spark of new ideas. For more details, please refer to the official website: <https://www.iaeg2023.org/>

3. Submission

There are 12 diverse and cutting-edge themes. We sincerely invite researchers and scholars to submit your papers and share your expertise with all the others working in the same field.

• General Scientific Themes

The topics included but not limited to below:

- Engineering Geomechanics of Rock and Soil Masses
- Climate Change and Sustainable Development
- Megacity Engineering Geology
- Geoenvironmental Engineering and Ecological Solutions
- Active Tectonics, Geomorphology and Geological Hazards
- Marine Engineering Geology, Marine Geo-environment and Disasters -3rd International Symposium on Marine Engineering Geology (ISMEG 2023)
- Deep Earth Resource and Energy Exploitation
- Geohazard Mechanisms, Risk Assessment and Control, Monitoring and Early Warning
- New Technology in Engineering Geology-3rd Shaoxing International Forum
- Applied Geology for Major Engineering Projects
- Preservation of Cultural Heritage and Engineering Geology
- Young Engineering Geologist Afternoon

• Submission Links

- Full Paper & Long Abstract Submission: <https://www.iaeg2023.org/sub.html>
- Abstract Submission: <https://www.iaeg2023.org/cfa.html>
- Call for Sessions: <https://iconf.young.ac.cn/eBuMK>

• Important Dates

Full Paper & Long Abstract Submission Deadline: May 31, 2023

Acceptance of Notification: Jun. 30, 2023

Abstract (Oral Presentation/Poster only) Submission Deadline: May 31, 2023

Acceptance of Notification: Jun. 30, 2023

Early Bird Registration Deadline: Aug. 10, 2023

Online Registration Deadline: Sept. 21, 2023

The registration information will be uploaded soon.

4. Sponsorship

The organizing committee also provides a comprehensive sponsorship package and warmly welcomes the participation of all sponsors. We believe that with your support, the congress will be even more successful and remarkable.

Sponsorship Information: <https://www.iaeg2023.org/sponsor.html>

Sponsorship Package in PDF: https://www.iaeg2023.org/IAEG_2023_Sponsorship_Package.pdf

Sponsorship Application Form:

https://www.iaeg2023.org/IAEG_2023_Sponsor_Application_Form.xlsx

Contact: Dongpo Wang, wangdongpo@cdut.edu.cn

5. Contacts

General Query:

Email: IAEG2022@cdut.edu.cn | Tel: +86-135 4003 2551

13/ MEETING INFORMATION

Oslo, Norway on June 7th – 10th, 2023.

3rd JTC1 Workshop on Impact of Global Changes On Landslide Hazard and Risk



The Joint Technical Committee on Natural Slopes and Landslides (JTC1) of FedIGS is delighted to invite you to join us at the 3rd JTC1 Workshop on Impact of global changes on landslide hazard and risk, to be held in Oslo, Norway on June 7th – 10th, 2023.

Anthropogenically induced climate change is unquestionably changing landslide hazard and risk, and impacting how we assess and manage them.

The aim of the **Workshop is to promote discussion among scientists, engineers, decision-makers, and other stakeholders** on whether we are capable of predicting and quantifying the expected changes in landslide hazard and risk and how we could implement the knowledge gained from academic research on landslide risk management into practice.

Conference Information

Website: <https://jtc1-2023.com/>; **Venue:** Bjørvika Deichman Library in Oslo

3rd Hutchinson Lecture

Delivered by **prof. Clarence Choi** from **The University of Hong Kong (HKU), Hong Kong**

Dates and registration

Activity	Date
Deadline for short and extended abstract submission	Extended to 9th September 2022
Accept/reject/review Decision by Scientific Committee	30th November 2022
Deadline for submitting revised abstract	10th February 2023
Deadline for early bird registration	1st March 2023
Deadline for short and extended abstract submission	Extended to 9th September 2022

Registration fees

Categories	Early Registration (by March 1st, 2023)	Standard registration
Regular participant	€500	€560
Students (MSc, PhD)	€190	€250

Nur-Sultan, Kazakhstan, August 14-18, 2023

17th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering 2023



17th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering 2023
Monday 14 August - Friday 18 August 2023
Hilton Astana Hotel, Nur-Sultan, Kazakhstan

The 17th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering 2023 (17th ARC) will be held on August 14-18, 2023 in Nur-Sultan city, Kazakhstan.

Conference Information

Website: <https://17arc.org/>,

Conference Secretariat: info@17arc.org, Registration: registration@17arc.org,

Abstract Submission: paper@arc.org; info@17arc.org

The templates for the Abstracts and Full Papers are available at <https://17arc.org/abstracts-papers/>

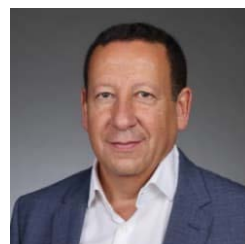
Keynote Lecture



Dr. Rashid Mangushev
Saint Petersburg State University of Architecture and Civil Engineering (Russia)



Dr. Buddhima Indraratna
University of Technology Sydney (Australia)



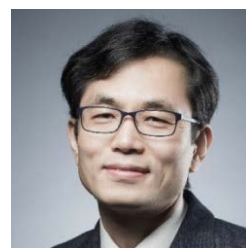
Dr. Lyesse Laloui
Swiss Federal Institute of Technology Lausanne (Switzerland)



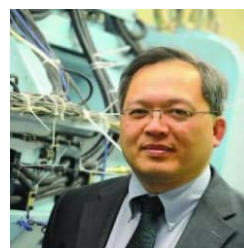
Dr. Mitsu Okamura
Ehime University (Japan)



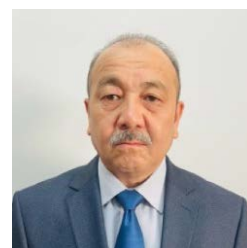
Dr. Ren-Peng Chen
Hunan University (China)



Dr. Jong-Sub Lee
Korea University (Republic of Korea)
Korea



Dr. Hoe I. Ling
Columbia University (USA)



Dr. Bagdat Teltayev
"Joldasbekov Institute of Mechanics and Engineering", LLP
"Road Research and Production Center"
(Kazakhstan)

Badong, China August 18-20, 2023

4th International Geohazards Symposium—Global Change and Reservoir Geohazards

The 4th Badong International Geohazards Symposium (BIGS2023) will be held in **Badong County, Hubei Province, China, from August 18 to 20, 2023. Focusing on the theme of “Global Change and Reservoir Geohazards”**, the symposium will be featured with 5



sessions, including technology training workshop, academic presentation, graduate-student poster contest, field trip and science popularization education on geohazards prevention and control. The academic presentation includes keynote speeches, invited speeches and session presentations. The field trips include Badong Large-scale Comprehensive Field Test Site for Geohazards, typical geohazard prevention & control engineering in the Three Gorges Reservoir area, as well as geomorphology and geohazards in the Three Gorges of the Yangtze River.

Theme

Global Change and Reservoir Geohazards

Topics

- Evolution process of geohazards
- Early identification of geohazards
- Intelligent multi-field information monitoring of geohazards
- Initiation mechanism and forecasting of landslides
- Geological safety of major hydropower projects
- Geohazard risk prevention and control under extreme climates
- Emergency treatment and management of geohazards
- Development of technologies and facilities for geohazard mitigation
- Big data and artificial intelligence of Geohazards
- Geohazard field observation station and the science popularization education

Contact Information

Symposium Information Inquiry

Qingbing Liu Cell phone: (+86) 13419681857

Abstract and Poster Exhibition Submission Inquiries

Shu Zhang Cell phone: (+86) 13476013923

E-mail: biggs@cug.edu.cn

Please refer to https://www.dropbox.com/s/s5adm9jkk74y8zk/BIGS2023_First%20Bulletin.pdf?dl=0 for the 1st Bulletin of BIGS2023.

Roma, Italy, September 17-21, 2023

12th ICG (International Conference on Geosynthetics)



With great pleasure and honour the Italian Geotechnical Society (AGI) and the Italian Chapter of IGS (AGI-IGS) invite you to attend the 12th International Conference on Geosynthetics, which will be held in Roma, Italy, on September 2023.

Years after the successful EuroGeo 2, which was held in Bologna in October 2000, we cordially welcome your participation and kind support at this coming event in 2022.

The geosynthetics and geotechnical engineering community has reached full awareness over the last two decades, and the whole geosynthetics industry has focused on the sustainable use of geosynthetics in a variety of innovative as well as consolidated applications. After Sustainability, the ability to overcome the natural events effects, often related to climate change, and human activities forced to refer to a new keyword: **Resiliency**.

Hence the 12ICG intends to become the base for the next step therefore the conference theme will be: **Geosynthetics, Leading the Way to a Resilient Planet**.

Conference Information

Website: <https://www.12icg-roma.org/>; Venue: Auditorium Parco della Musica

Tel : +39-06-4465569 ; Emial: info@12icg-roma.org; agi@associazionegeotecnica.it

Conference Information



Russell Jones
WSP UK Limited (U.K.)



Seyed Naser Moghaddas
Tafreshi
K.N.Toosi University of
Technology (Iran)



Giuseppe Cardile
University of Reggio
Calabria (Italy)



Ben A. Leshchinsky
Oregon State University
(USA)

Bankok, Thailand, October 25-27, 2023

SEAGC 2023 (21st Southeast Asian Geotechnical Conference)



Thai Geotechnical Society, Southeast Asian Geotechnical Society under the auspices of Association of Geotechnical Societies in Southeast Asia (AGSSEA) are delighted to welcome you all to the 21st Southeast Asian Geotechnical Conference and 4th AGSSEA Conference (SEAGC - AGSSEA 2023) from 25th to 27th October 2023 at the "Centara Grand & Bangkok Convention Centre, CentralWorld, Bangkok Thailand.

Prospective authors are invited to submit abstracts via the online submission portal below.

<https://easychair.org/conferences/?conf=seagc2023>

Important dates:

Deadline of abstract submission: 28th Feb 2023

Abstract acceptance: 15th Mar 2023

Full paper submission: 16th Mar 2023 –31st May 2023

Registration period: 1st Jun 2023 –31st Aug 2023

Conference date: 25th –27th Oct 2023

Chambéry, France, July 8-12, 2024

14th International Symposium on Landslides



The symposium is supported by a couple of institutions, all being representative of the French community involved in slope engineering.

Conference Information

Website: <https://www.isl2024.com/>; Email: contact@isl2024.com

Tel: +33-825-595-525

Topic

Landslides across the scales: from the fundamentals to engineering applications

PROGRAM

Summer School

An international summer school will be organized from July 5th to 7th. Located at the CNRS Center Paul Langevin (in Aussois, Savoie), this summer school is intended to deliver the basic knowledge in slope instability.

Technical Events and Field Excursion

The Conference will be organized over 4 full days, including a half-day technical visit to Chambéry for landslides, rockfalls, slope engineering.

Abstract Submission

Please refer to https://www.dropbox.com/s/mp9fmt8cb8ag6sh/Layout_Instructions_Abstracts-XIVth_ISL-2024%20.pdf?dl=0 for the template of the abstract.

Venue

Congress Center "Le Manège" in Chambéry downtown



New Delhi, India, November 2-3, 2023

2nd Indian Near Surface Geophysics



2-3 NOVEMBER 2023 | NEW DELHI, INDIA

The 2nd Indian Near Surface Geophysics event will be held in New Delhi, India on November 2-3, 2023. Near-surface geophysics is the use of geophysical methods to investigate features in the shallow (tens to hundreds of meters) subsurface. The objectives of near-surface geophysics are often noninvasive investigations of pollution problems, obtaining engineering information, locating and

defining archaeological sites, near-surface structural features such as paleochannels and faults, cavities and tunnels, minerals, groundwater, pipelines, etc. It is closely related to applied geophysics or exploration geophysics. Methods used include seismic refraction and reflection, gravity, magnetic, electric, and electromagnetic methods. Many of these methods were developed for oil and mineral exploration but are now used for a great variety of applications, including archaeology, environmental science, forensic science, military intelligence, geotechnical investigation, mineral exploration, and hydrogeology.

Near-surface geophysics is being extensively used in India for various engineering, environmental, mining, ground water, archaeological and forensic applications. The conference is being organized to bring various stakeholders on a common platform, share the experiences and deliberate upon ways and means to increase use of geophysics for various application areas.

The conference is being organized along with exhibition. Various new technologies and products have emerged in the field of geophysics and exhibition provides a platform for display of these technologies and products.

Conference Information

Website: www.NearSurfaceGeophysics.in; Email: praggya@nearsurfacegeophysics.in

Mobile: +919818568825 (AF Academy New Delhi, India)

Themes and Topics

- Engineering Geophysics - application in geotechnical investigations, site characterization, tunnel route studies, bridge foundation studies, etc.
- Water Resources Geophysics - Groundwater Geophysics, hydro-geophysics & hydrogeology, climate, contamination survey, etc.
- Mining Geophysics - Mineral Exploration, Geosciences for surface mining and safety, open cut mining, slope stability, tailings dam, etc.
- Archaeological Geophysics - Geophysics for archaeology and cultural heritage
- Dam Geophysics - Geophysics for investigation of existing dams and appurtenant structures, investigations for new dam sites, hydropower sites etc.
- Environmental Geophysics. Bio-geophysics
- Geohazards and Disaster Mitigation - quick clay, landslide, liquefaction, earthquake, volcanic eruption, tsunami, ground subsidence, mining hazards etc.
- Petroleum Exploration – improving deep images by understanding near-surface
- Shallow marine geosciences
- Geophysics for forensics detection
- Application of Geophysical Tools during Construction of Underground Structures

Call for Abstract

The conference is calling for abstracts. Please refer to <https://www.nearsurfacegeophysics.in/conference-abstract-information> for the detailed information.

Delegate Type	Delegate Type Early Bird Rates (1 delegate) Till 15th September, 2023		Standard Rates (1 delegate) After 15th September, 2023	
	INR	EUR	INR	EUR
Government / NGO / Academic Institution	6,000	200	8,000	250
Private / PSU / Individual / Board	12,000	400	15,000	500
Student	4,000	150	4,000	150
Accompanying Person (Spouse only)	4,000	150	4,000	150

INGS23 First Announcement: <https://www.dropbox.com/s/sc9sa58vnb7qv6r/HR%2023061-INGS23%20First%20Announcement.pdf?dl=0>.

INGS2023 Sponsor Brochure: <https://www.dropbox.com/s/7ayjahv3oijbpy3/HR%2023110-INGS23%20Sponsor%20Brochure.pdf?dl=0>.

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 C2ROP.

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)




**CHAMBÉRY
(SAVOIE, FRANCE)
5-12 JULY 2024**



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.cfm-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>



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



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



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