



IAEG

NEWSLETTER

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Cover Story



The outstanding Red Beach in Santorini, a famous volcanic island in the Aegean Sea in the territory of Greece, exhibits extended rockfall instabilities along its cliffs, placing its highly frequented touristic zones at high risk.

It is one of the most famous beaches within the Aegean and Mediterranean Seas due to its particular colour, its particularly beautiful geomorphological environment, and its proximity to the remarkable archeological site of Akrotiri, which revealed a buried city after an enormous eruption during the Late Bronze Age (± 1630 BC) (one of the largest known volcanic explosions and created the shape of Santorini Island).

An engineering geological interpretation of these instabilities and evaluation of the degree of the rockfall potential in relation to the natural evolution of the beach has been executed, using advanced remote sensing applications. The landscape of the Red Beach area is very steep, with volcanic slopes generally dipping up to 80° and heights reaching up to 60 m. The Red Beach cliff, mainly composed of volcanic red scoria cones was found to be very challenging case for determining a feasible engineering geological solution to stabilise. Its numerous requirements with respect to rockfall control and stabilization in conjunction with the necessity of maintaining the landscape's natural beauty and preserving the adjacent archeological site further complicated the problem. However, stabilization to prevent rock falls will provoke a disruption of the balance between the sea-induced erosion and the supply of material that originates from rock falls of the natural slopes toward the beach that could put the existence of the Red Beach in significant danger. A feasible geotechnical solution for stabilizing the cliffs was investigated by evaluating all the possible protective and prevent measures. However, whether any of these measures are acceptable, in order to maintain this wonderful environment, is doubtful.

Provided by Vassilis Marinos

(Vice President of IAEG)



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Edited by the IAEG Secretariat, Shaoxing, China

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NEWS OF IAEG EXECUTIVE COMMITTEE

Organizing Progress of the 3rd European Conference

The organizing works of the 3rd European Conference are going smoothly, the conference will be held in Athens from October 6th to 10th, 2021 with physical presence and face to face discussions. A thematic collection-publication for selected full papers submitted to the conference, in Quarterly Journal of Engineering Geology and Hydrogeology (QJEGH). Thematic collection for selected full papers in QJEGH is "Leading to Innovative Engineering Geology Practices". The scientific program will offer delegates a wide range of innovative and interesting topics, with 11 Keynote Speakers and already more than 250 oral - poster presentations in sessions and specialized workshops.

Announcement of the Dates of 2021 ExCom and Council Meetings

It have been decided by the Executive Committee that the 2021 ExCom and Council meetings will be held on October 6th and October 7th during the 3rd European Conference in Athens, Greece. The meetings will take in form of physical presence, for those who are unable to take part physically could join in the meetings virtually.

Evaluation of the Commissions

The Commissions are the "technical engine" of the IAEG. They are the primary method by which the IAEG supports, fosters and helps communicate research, innovation and the practice of Engineering Geology. As such the Executive would like to re-invigorate the Commission system by starting with finding out the activity and future plans of each Commission. The co-chair of advisory board Mark Eggers has launched the Evaluation works of the Commissions in June. An Evaluation Form has been distributed to all Commissions and required to be filled in. 15 Commissions among the current 19 Commissions have actively responded and submit the evaluation form. The advisory board will compile a final evaluation report on all commissions and present to the Executive Committee. Those commissions who are inactive or have no working progress will be suggested to be closed.

IAEG Honorary Membership 2019 & 2020

Dr. Kiril Anguelov and Prof. Victor Osipov won the award of IAEG Honorary Membership 2019 and 2020 respectively, for their great contributions to the discipline of engineering geology and the development of IAEG.

Introduction of Dr. Kiril Anguelov----IAEG Honorary Membership 2019

Dr. Kiril Anguelov is a prominent expert in engineering geology of international repute. Having graduated from the University of Mining and Geology (Sofia, Bulgaria) specialty "Engineering Geology and Hydrogeology" in 1972, he was a post-graduate student at the Department of Soil and Rock Engineering at the Moscow State University (1973-1976). Under the guidance of Professor Evgenii Mikhailovich Sergeev he successfully defended the doctoral thesis on "Strength-deformation properties of clay as affected by their microtexture and structural bonds". Since then, Dr. Prof. K. Anguelov has worked for many decades as a lecturing professor

in engineering geodynamics, regional engineering geology and engineering geocology at the St. Ivan Rilski University of Mining and Geology and at the University of Transport (Sofia, Bulgaria). A number of times he was invited with lectures to China, Japan, Russia, West Berlin, Cyprus, the Netherlands, and Switzerland. He is also a world-wide known expert in mitigating the landslide hazard and a recognized practicing geotechnical engineer. He is the founder and successful manager of three geotechnical companies GEOTEHNIKA, BONDYS Ltd. and GEOLOBY Ltd. Since 1982, Assoc. Prof. Anguelov has been actively involved in the IAEG activities. He was the founder and active promoter of the Bulgarian national group, working for many



decades in the position of the national group secretary. In 1990-1994 he took the office of Vice President IAEG for the Eastern Europe. On his initiative, the European national groups IAEG were re-united on a new regional principle. Kiril Anguelov has made an outstanding contribution to the IAEG development. Twice (in 2005 and in 2016), he organized major IAEG events - the International Symposiums IAEG on Natural Disasters in Sofia, Bulgaria, who were in fact a great success.

It is worth noting also that Kiril Anguelov was the first awardee of the highest IAEG award for young professionals - Richard Wolters Prize – in 1982. Being one of the oldest members of IAEG Executive Committee now, Dr. Kiril Angelov keeps the history, traditions and memories of IAEG and conveys them to the new generation of IAEG members. Taking into consideration his great contribution to the Association for many decades, his outstanding input in strengthening relations between engineering geologists from different countries and fruitful cooperation within IAEG for the benefit of engineering geology and environmental geoscience, IAEG awarded Dr. Kiril Angelov 2019 Honorary Membership.

Introduction of Prof. Victor Osipov ----IAEG Honorary Membership 2020

The name of Victor Osipov is well known to engineering geologists all over the world. Being an expert of international repute, he is a leading Russian scientist in environmental geoscience, engineering geology, soil and rock engineering. V.I. Osipov has contributed to the world science with the considerable achievements in soil and rock engineering, study of geological hazards, natural risks assessment and mitigation of natural disasters consequences. For 25 years (1990-2015), he headed the Sergeev Institute of Environmental Geoscience at the Russian Academy of Sciences. He is also an Honorary Professor at the Moscow State University, an Honorary Professor of the Geological Institute at the Chinese



Academy of Science. He was a lecturing professor at the department of Civil Engineering, University of Massachusetts, Amherst, USA and Delft University of Technology (the Netherlands). He also delivered lectures in physicochemical mechanics of clay as a visiting professor at the universities of Japan, China, Canada, Germany, and Poland. Prof. Osipov heads of the Scientific Council at the Russian Academy of Sciences on the problems of environmental geoscience, engineering geology, and hydrogeology, and he is the member of Russian National Committee of geologists. He is the author of more than 700 scientific publications (including 13 monographs and 20 patents of inventions) and an awardee of many national governmental awards.

Victor Osipov is the member of IAEG since 1978, and he has undoubtedly made a huge contribution to the IAEG development, to strengthening international relations among geoscientists and engineering geologists all over the world. He has been tightly connected to the Association since its early years. In 1960-1970s, being an assistant to Prof. E.M. Sergeev (one of the founders and leaders of IAEG), Victor Osipov was involved in organization of many international IAEG events, as the scientific and executive secretary of Organizing Committees, i.e.: the International Symposium IAEG "Engineering Geological Properties of Clays and Processes in Clay", (Moscow, September 1971); the IAEG Conference "Genetic Principles of Engineering Geological Studies of Soils and Rocks" (Moscow, June 4-7, 1974); the IAEG Symposium "Engineering Geological Problems in Hydrotechnical Construction" (Tbilisi, Georgia, USSR, 12–19 September 1979).

In 1978-1986, V.I. Osipov was the Chair of the IAEG Commission no.12 "Soil properties as a function of their genesis". In 1986–1990, Victor Osipov was the member of the Executive Committee of IAEG, Vice-President for Eastern Europe. Since 1990 till 2019, Academician Prof. Victor I. Osipov was the member of IAEG Council, Chair of the Russian national group of IAEG. As the Chairman of the Russian national group, Victor Osipov participated in all international events of IAEG and Council meetings for many years. He also co-chaired the International Symposium "Engineering geological Problems in Urban Areas" (Yekaterinburg, 2001) held under the patronage of IAEG. In 2011, he was the Chair of the Organizing Committee of the IAEG Conference (Environmental Geosciences and Engineering Survey for Territory Protection and Population Safety" (Engeopro-2011), which was hosted by the Russian national group IAEG and was held in Moscow, September 6-8. This conference was an official event IAEG, which hosted Executive and Council meetings. In 2012, academician Victor I. Osipov was awarded with the highest IAEG award, the Hans Cloos medal.

BOEG Impact Factor 2020 Reaches A New Peak

According to Clarivate Journal Citation Reports 2020, the Bulletin of Engineering Geology and the Environment (BOEG) continues very good health under the efforts of all the editor board members with a sharp increase in IF from 3.041 to 4.298 in 2020, which carried BOEG into the top rank Journal for Engineering, Geological Journal category. Congratulations to BOEG!

<i>JCR® Category</i>	<i>Rank in Category</i>	<i>Quartile in Category</i>
ENGINEERING, ENVIRONMENTAL	23 of 54 (+4)	Q2
ENGINEERING, GEOLOGICAL	11 of 41 (=)	Q2
GEOSCIENCES, MULTIDISCIPLINARY	40 of 199 (+14)	Q1

YEG Webinar Series

A really interesting virtual webinar has been organized from the Young Engineering Geologists (YEGs) which took place on 24th of June with invited keynote presentations from two excellent ladies from Brazil, Dr. Alessandra Cristina Corsi and Ms. Aline Freitas da Silva. We experienced a really successful event with great interest from more than 60 attendees while their presentations were under the broad theme of Risk Assessment and Management in Engineering Geology for Vulnerable Urban Areas. In specific Dr. Corsi presented a wider perspective of the geological and geotechnical processes in Brazil and what are the key elements of characterizing different landslide types with a variety of mapping methods. On contrary Ms. Freitas da Silva provided an extensive description of different computer-based methods for mapping natural and anthropogenic geological and geotechnical processes in urban areas in Brazil and how risk management can be enhanced from recent works. We

believe that the knowledge speakers shared will help and develop the Engineering Geological domain and engage more Youngs to contribute with their expertise.

If you missed out or could not attend our webinar session, please click the link (https://www.youtube.com/watch?v=ZdKxJmEab7I&t=3277s&ab_channel=IAEGYEG) to see the recorded video of our e-YEG webinar. Kindly share your feedback about the e-YEG webinars and help us to improve our events in the future. Your feedback is precious for us. Be sure to mark your calendars for our next event. Follow our social media in Facebook, YouTube and Twitter and stay tuned more to come!

YouTube: <https://www.youtube.com/channel/UC3MMLvyN4nAwg2ZDSmiXVlg>

Facebook: <https://www.facebook.com/realYEG>; Twitter: <https://twitter.com/realYEGs>

Brief history of geological-geotechnical processes in nature

Caragatatuba (SP) 1967

Serra das Araras

Cubatão (SP) 1985

TIMBÉ DO SUL (SC) (1995)

Rio de Sul (SC) 2020

Images: IPT, Internet.

ASSOCIAÇÃO BRASILEIRA DE GEOLOGIA DE ENGENHARIA

Aline Freitas

RISK ASSESSMENT & MANAGEMENT IN ENGINEERING GEOLOGY OR VULNERABLE URBAN AREAS

GEOLOGICAL-GEOTECHNICAL PROCESS IN BRAZIL: TYPES AND MAPPING METHODS

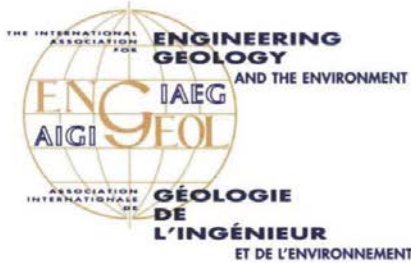
Alessandra C. Corsi
Investigation, Risk and Environmental Management
City, Infrastructure and Environmental Area
Institute for Technological Research - IPT
June - 2021

ASSOCIAÇÃO BRASILEIRA DE GEOLOGIA DE ENGENHARIA

Alessandra C...



ANNOUNCEMENT FOR IAEG HONORARY MEMBERSHIP



President:	Prof. Rafiq Azzam
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Secretary General:	Prof. Wu Faquan.
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NOTIFICATION OF 2019 HONORARY MEMBERSHIP RECIPIENT

Dear Professor Olga N. Eremina,

I am very pleased to inform you that the recipient of 2019 HONORARY MEMBERSHIP is Dr. Kiril Anguelov from Bulgaria, nominated by the Russian National Group. According to the decision made by the Executive Committee at the Executive Committee Meeting held on September 21st, 2019, they decided to award the HONORARY MEMBERSHIP for 2019 to Dr. Kiril Anguelov for his exceptional services to the Association.

Congratulations to Dr. Kiril Anguelov and the Bulgarian National Group!

Best Regards,

Professor Rafiq Azzam
 President of International Association for Engineering Geology and the Environment
 Head of Department of Engineering Geology and Hydrogeology
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Europe:	Dr. Vassilis Marinos
	Prof. Eugene A. VOZNESENSKY
North America:	Prof. Jean Hutchinson
South America:	Mr. Norberto Jorge Bejerman

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NOTIFICATION OF 2020 HONORARY MEMBERSHIP RECIPIENT

Dear Professor Eugene A. Voznesensky and Professor Olga N. Eremina,

I am very pleased to inform you that the recipient of 2020 HONORARY MEMBERSHIP is Professor Victor Ivanovich OSIPOV, nominated by the Russian National Group. According to the decision made by the Executive Committee at the online meeting held on April 23th, 2021, they decided to award the HONORARY MEMBERSHIP for 2020 to Professor Victor Ivanovich OSIPOV for his exceptional services to the Association.

Congratulations to Professor Victor Ivanovich OSIPOV and the Russian National Group!

Best Regards,

Professor Rafiq Azzam
President of International Association for Engineering Geology and the Environment
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CALL FOR MEMBERSHIP UPDATE 2021

By July 24, 2021 the number of IAEG memberships is 2948 from 69 national/regional groups, 995 with Bulletin, 1934 without Bulletin. The Bulletin will be delivered to the members through the email address provided by the national groups.

VP	No.	NG	total	With B.	Without B.	Associate members
Doug Johnson	1	Australia	334	151	183	0
	2	New Zealand	457	173	284	0
Vassilis Marinos	3	Albania				
	4	Austria	20	10	10	0
	5	Bulgaria	10	7	3	0
	6	Croatia	24	6	18	0
	7	Cyprus				
	8	France	91	50	30	11
	9	Georgia	16	1	15	0
	10	Greece				
	11	Hungary				
	12	Italy	95	85	10	0
	13	Portugal	66	38	27	1
	14	Romania				
	15	Serbia				
	16	Slovenia	27	17	10	0
	17	Spain	35	35	0	0
	18	Switzerland	66	66	0	0
	19	Turkey	116	0	116	0
	Eugene A. Voznesensky	20	Belorussia	3	3	0
21		Netherlands	30	30	0	0
22		Lithuania				
23		The United Kingdom				
24		Belgium				
25		Czech Republic	25	11	14	0
26		Denmark				
27		Estonia				
28		Finland				
29		Germany	468	41	427	0
30		Iceland				
31		Ireland				
32		Norway				
33		Poland				
34		Russia	85	30	55	0
35		Slovak Republic				
36		Sweden				
37		Kyrgyzstan	1	1	0	1
38		Uzbekistan				
Tamunoene Kingdom Simeon Abam	39	Algeria				
	40	Nigeria	82	29	53	0
	41	South Africa	211	3	208	0
D. Jean Hutchinson	42	Canada				
	43	USA	152	0	152	0

Norberto Jorge Bejerman	44	Argentina	15	15	0	0
	45	Bolivia	15	12	3	0
	46	Brazil				
	47	Chile	30	9	21	0
	48	Colombia	13	12	1	0
	49	Costa Rica	18	13	5	0
	50	Mexico	5	5	0	0
	51	Paraguay				
	52	Peru	11	6	5	
	Bo-An Jang Huiming Tang	53	Bangladesh			
54		China				
55		Chinese Taipei	60	9	51	0
56		HongKong SAS	7	4	3	0
57		India	79	37	42	0
58		Indonesia				
59		Iran				
60		Iraq	14	0	14	0
61		Japan	73	61	6	6
62		Korea	79	0	79	0
63		Malaysia				
64		Mongolia	12	3	9	0
65		Myanmar				
66		Nepal (NGS)				
		Nepal (NSEG)				
67		Singapore	83	3	80	0
68	SEAGS					
69	Vietnam					
Individual Member			19	19	0	0
Associate Member			1	0	0	0
Total			2948	995	1934	19



EVENTS OF NATIONAL GROUPS

BANGLADESH

1st GECCSD 2022 Postponed

We are still passing very critical time here in Bangladesh due to Covid 19. We are now in the 2nd wave of Corona with new CORONA variants which is spreading very fast and also expecting the 3rd wave within this year.

In this situation it is still very difficult for us to organize our conference IAEG_BNG 2022 event as circulated. Only less than 1 percent people are vaccinated and due to shortage of vaccine the same situation might be longer even a year or more. Even all big gatherings/ meetings are restricted and discouraged by Government of Bangladesh. Under the present conditions, I am sorry to inform you, Bangladesh National group executive committee members from different organizations have decided to postponed the previously declared event in 2022.

If situation improves, our executive committee will fix up a new date soon and will send new date to you and concerned authorities for further necessary actions.

I hope you will understand the current situation and consider our decision. I am really sorry for any inconvenience due to this unavoidable decision. But certainly, we will continue all our virtual activities and other IAEG online activities.

BELGIUM

In 2020, the Belgian Society for Engineering Geology and Rock Mechanics (SBGIMBVIGRM) adopted a new brand name: RockEnGeo.be. This new name is easier to remember than the old acronym. It will be used in the future in the communication of the society.

Also in 2020, RockEnGeo.be was planning to organize an event to mark the 50 years of existence of the Engineering Geology and Rocks Mechanics in Belgium.

Unfortunately, due to the Covid19 pandemic, the jubilee has been delayed and will take place on April 21, 2022, in one of the famous spheres of the prestigious Atomium monument in Brussels. More information will be available soon. Save this date!

In 2021, RockEnGeo.be in association with the Belgian group of the ISSMGE will launch the Geo-Registered.be website which will allow Geotechnical Engineers and Professional Geotechnical Experts to have their professional qualities recognized by the two main Belgian geotechnical associations. This registration will also be open to non-Belgian professionals wishing to be recognized in Belgium.

CHINA

The Lecture of China's Equipment in Geotechnical Engineering

The series lectures of Shaoxing International Forum of Rock Mechanics and Engineering Geology--The Lecture of China's Equipment in Geotechnical Engineering was successfully held on June 12, 2021 in Hangzhou, China.

More than 200 representatives from universities and enterprises from all over the country attended the meeting, and more than 16000 representatives attended online, including Secretary General of IAEG Prof. Faquan WU, President of FedIGS Prof. Xiating FENG, four academicians from Chinese Academy of Sciences, Chinese Academy of Engineering, and many top scientists, experts and scholars in the field of Geotechnical Engineering.

The purpose of the forum is to exchange the research progress of international rock mechanics and engineering geology, and promote the development of innovative technologies and new equipment in the fields of engineering investigation, test, monitoring, software, design and construction. 13 R&D teams of domestic geotechnical testing instruments with independent intellectual property rights gathered together to deeply exchange the latest achievements and progress of domestic geotechnical testing instruments. This lecture takes innovation and self-reliance as the core guiding spirit. The content of the content is rich and wonderful, and the form of expert comments makes the on-site communication atmosphere more intense.

The participants highly affirmed and recognized the contents and achievements of the lecture. They believed that the lecture provided a high-end exchange platform for the majority of scientific and technological workers in the field of geotechnical engineering, and made positive contributions to further promoting the technological innovation of domestic instruments.



Overall View of the Lecture



Group Photo

GERMANY

The IAEG national group Germany, which is the joint Engineering Geology Section of the German Geological Society (DGGV) and the German Geotechnical Society (DGGT), usually meets in a

conference every other year. In 2017 and 2019, this conference was held jointly with other sections of the German Geotechnical Society in the beautiful town of Würzburg, and September 2021 was supposed to be the next time. Of course, due to the pandemic, everything was different, and due to the high risk of planning an in-person meeting during these uncertain times, it was decided early to cancel the in-person meeting and have a series of virtual meetings of the different sections instead earlier in 2021.

The Engineering Geology Section went ahead with the first virtual meeting in this series on 17 March 2021, hosted by the president of our section, Kurosch Thuro, and his kind and helpful team at the Technical University of Munich. Despite the short notice, we counted over 200 participants during peak times, and even during the “Forum for young engineering geologists” in the afternoon more than 150 participants were still present. The contributions were of high quality, although the meeting had been preponed for half a year, painting an impressive picture of what is new in engineering geology. We are pleased that probably thanks to the virtual format, we were also able to attract several participants from Austria and Switzerland, and particularly young engineering geology enthusiasts.

As always, the highlight of the “Forum for young engineering geologists”, a session where students get the chance to get their feet wet in the culture of scientific exchange by presenting about their BSc, MSc or PhD theses, was the award of the three best presentations. The selection committee, made up by Anna Mayer, Leonie Soltek, and Christian Wawrzyniak, had a difficult task, since all participants delivered excellent presentations. We are pleased to congratulate Hendrik Raabe from the University Erlangen-Nürnberg for winning the first price, Verena Noflatscher from the geo.zt gmbh Hall i.T. for winning the second, and Jonathan Zinser from RWTH Aachen University for winning the third price.

We are very happy that according to the positive feedback we got in the aftermath of the meeting we were apparently able to convince even virtual conference sceptics. However, we are looking forward to hopefully seeing everyone again safe and sound in the next in-person meeting.

JAPAN

The Annual Meeting Of The Japan Society Of Engineering Geology

The annual meeting of the Japan Society of Engineering Geology was held from 10:30 to 11:30 on June 18th (Friday). This year, due to the influence of COVID-19, the participants of the meeting at the venue are the president, vice president, and managing director, several representatives. The remaining representatives participated online.

Following the annual meeting, a symposium was held from 13:00 to 17:00. This symposium is held on the same day as the annual meeting every year. The theme of symposium of this year is New Developments in Applied Geomorphology - What Hazard Maps Should Show. This symposium was held online, and about 200 participants participated, it was more successful than usual. At the symposium, seven lectures with panel discussion are given. The titles of lectures are below:

- Great Capital Flood and Hazard Map
- Utilization of Topographical Expression Technology
- Micro-Surface Deformation by Satellite
- How We Can Hand Topographical Reading Technique on to The Next Generation
- Topographical Asset from The Perspective of Residential Safety and Land Use
- A New Way of Being at Disaster Prevention and Mitigation Methods Learned from Disaster Experience.
- Terrain Expression Technology and Applied Geomorphological Map to Be Utilized In Hazard Maps.

In the panel discussion after the above lectures, many opinions are exchanged, especially impressive opinion is Hazard maps should be developed from the perspective of topography and geology in order to better understand the characteristics of the region. Recently, hazard maps from the perspective of topography and geology are decreasing. This symposium had been an opportunity to reaffirm the contribution of applied geology to society.



The Beginning Of Collaboration Between KSEG And JSEG

The Korea Society of Engineering Geology (KSEG) requested JSEG to give a special lecture at KSEG's spring research presentation. Professor Tokunaga of the University of Tokyo gave a lecture entitled Tsunami-induced seawater intrusion and aquifer recovery. We hope that this will be a good opportunity to deepen exchanges between KSEG and JSEG.



KOREA

The Journal of Engineering Geology of Korean National Group is officially in the Scopus List

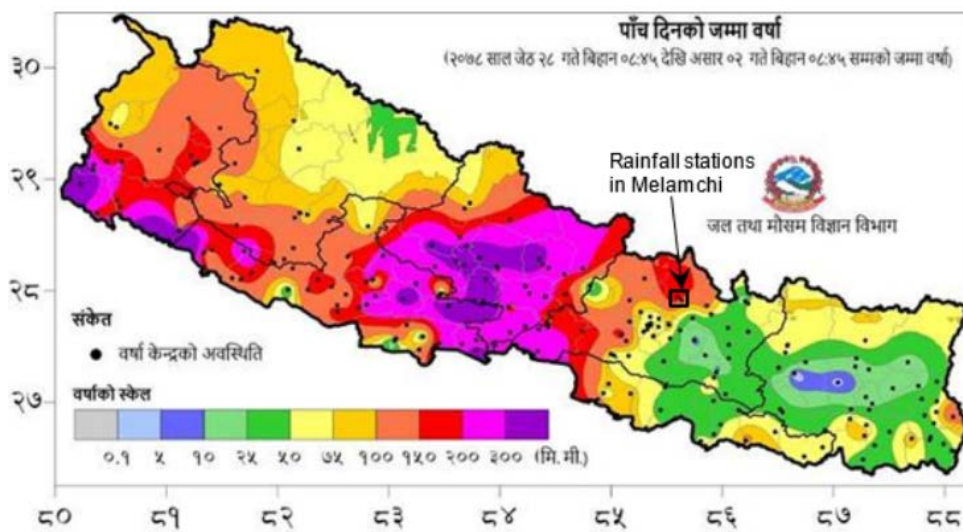


The IAEG Korean National Group is pleased to inform IAEG colleagues that the Journal of Engineering Geology (ISSN 1226-5268 / 2287-7169) is now officially listed on the Scopus Journal List. Title evaluation was completed and approved by the Scopus in October 2020. All publications in the Journal of Engineering Geology after January 2020 are considered Scopus publications. The editorial board encourages the submission of research papers by engineering geologists from all over the world. The editorial board will provide expedited publication services with a two-week review period. The electronic submission system is available at submission.engeojournal.org.

NEPAL

On June 15, 2021 torrential rain in upstream catchment of Melamchi River induced flood on 16th June 2021 that devastated the d/s settlement especially Chiurikharka, Timbe, Halde, Ambathan (Melamchi Water supply headwork area), Purano Chanaute Bazar, Muktitar, Ganeshebagar, Kiul, Bhandari Sim, and Chanaute of Helambu Rural municipality and Talarang, Thulokhet, and Melamchi Bazar, of Melamchi Municipality affecting more than 500 households. 10 people died and 21 are still missing. In addition to that 6 concrete bridges, 10 suspended bridges and several kilometers of roads are completely destroyed breaking the link between the villages. The event also damaged the headwork of Melamchi Water Supply Project and casualties to international and national staff.

The DHM database of cumulative rainfall experienced in various parts of Nepal from 12 to 16 June 2021 shows heavy rainfall around the Melamchi River catchment. The Shermathang and Nakhote area received 100 to 200 mm of rain indicating intense rainfall in the catchment favorable to initiate flood.



Cumulative rainfall distribution map of 5 days (June 11 to 16 June 2021, Source: DHM)

Right now, people are removing sediments from their houses. Two stories of each house in the Melamchi Buspark area were filled up by sediments. Local municipality Disaster Risk Reduction and Management Committee has started to divert the Melamchi River in the previous channel (Figure 10). They are using excavators to fix the braided channel in the single channel. Meantime, more monsoon rainfall is expected in coming days and still the risk of flash flood with mud and debris flow cannot be avoided.





Excavators are working to re-channelize the Melamchi River in the previous course (Photo Credit: JB Karki)

For the Situation Report on Melamchi River Flood of Nepal, please refer to the link below: <https://www.dropbox.com/s/cteocfywsv2njyd/Situation%20Report%20on%20Melamchi%20River%20Flood%20of%20Nepal.pdf?dl=0>.

PORTUGAL

XXXVIII Manuel Rocha Memorial Lecture

Portuguese Geotechnical Society (SPG) is preparing for the XXXVIII Manuel Rocha Memorial Lecture to be held in November 2021. SPG has invited Scott Burns (immediate past president of IAEG) to give the lecture, and the topic this year will be in the area of Engineering Geology.

Manuel Rocha Memorial Lecture has been created after the death of Manuel Rocha, one of the most distinguished Rock Mechanics scientist in the World. He has been the Director of LNEC (Civil Engineering National Laboratory), Portugal, the Second President of ISRM (after Muller) and he was the President of the Organization of the 1st International Congress of Rock Mechanics, which was held in Lisbon in 1966.

SPG invites a personality to deliver the lecture in one of the geotechnical fields every year since 1984. The lecture in 2020 was given by José Mateus de Brito in the field of Soil Mechanics, and in 2019 was given by Giavanni Barla from Italy in the field of Rock Mechanics.

SINGAPORE

SRMEG Elects New President

Dr. Sigl was elected the new president of SRMEG. He graduated as Diploma Engineer (MSc) 1985 from Technical University of Graz (Austria), in Civil Engineering specializing in geotechnics and soil mechanics. In 1991, after working for five years as Teaching Assistant at the Institute for Geomechanics and Tunnelling, he achieved with distinction the PhD in mining engineering at the Mining University of Leoben (Austria).



Dr. Sigl was involved in the design of major underground structures in a great number of projects, and more than 30 years of experience, these projects cover a large variety such as subways, railways, roads, power transmission cables, sewerage mains, underground storage schemes and caverns.

Since his arrival in Singapore in 1997, Dr. Sigl has been involved in the detailed design of almost all major infrastructure projects in Singapore including the North East Line, Circle Line and Downtown Line MRTs, the high voltage transmission cable tunnel project, the Kallang Paya Lebar and Marine Coastal Expressways, the DTSS Project, and many more. Dr. Sigl is the Managing Director of

GEOCONSULT Asia Singapore since 1998.

In addition to the registration as ordinary Professional Engineer (PE-Civil), Dr. Sigl is also registered with the Professional Engineer Board of Singapore as specialized Professional Engineer (PE-Geo) and specialized Accredited Checker (AC-Geo).

05

1st IAEG SOUTH AMERICAN REGIONAL CONFERENCE

Cordoba, Argentina, September 6 -10, 2021 (Virtual Conference)

1st IAEG South American Regional Conference & 2021 Congress of the IAEG National Group of Argentina



INTERNATIONAL ASSOCIATION FOR
ENGINEERING GEOLOGY
AND THE **ENVIRONMENT**



Due to the continuation of the pandemic and the uncertainties related to transportation of the assistants and the availability of places for the IAEG meetings (ExCom and Council) and the Conference itself, the Organizing Committee of the 1st IAEG South American Regional Conference and the 2nd Argentine Congress of Geology Applied to Engineering and the Environment has agreed to hold the event from 8th and 10th September 2021 as a Virtual Conference instead of a physical meeting.

We are disappointed not to meet you in Córdoba and that a project that started in 2018 with so much effort cannot be carried out in person. However, as it is also known, this event represents the return of IAEG to the region after 35 years for which it was decided to go ahead with the original idea instead of postponing it. The three-day online meeting will offer the opportunity to access high quality exhibitions of multiple topics associated with applied geology and the chance to make meaningful connections no matter where you are in the world.

Please refer to <https://www.dropbox.com/s/2cyc2jmu50reegg/Tercera%20Circular%20-%20Third%20Newsletter.pdf?dl=0> for the latest circular.

Contact Information

Website : iaegsa2021.org; Email: aw@tradeshowsa.com.ar (for commercial);
congreso@asagai.org.ar (for academic)

Themes

- Geological-engineering aspects in the construction and building pathology
- Thematic cartography
- Environmental geology
- Urban Geology and Territorial Planning
- Coastal geology
- Medical geology
- Geomechanics

- Integrated management of water resources
- Geological Parks and Geotourism
- Geological Risk



Leonor M. L. Trucco
*Ministry of Mining of Cordoba
Province*



Dra. Sandra Villacorta-Chambi
Charles Darwin University Australia



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Daniel Gonzalo Jerez
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Dr. Raul Sarra Pistone
Portuguese Tunnel Commission



Juan Antonio Bustinza
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Alejandro Pujol
Independent Consultor



Jose Ricardo Gatica
*Engineering National University of
Comahue*

Please refer to <https://www.dropbox.com/s/mrq28r1jgqwhrbl/Conferencias%20-%20Keynote%20Speakers.pdf?dl=0> for the keynote speakers' detailed introduction.



3rd EUROPEAN REGIONAL CONFERENCE



Dear Colleagues and Friends,

On behalf of the Organizing Committee, it is a great pleasure to invite you to attend the 3rd European Regional Conference of IAEG, hosted in Athens Greece, by the IAEG National Group of Greece. The conference will be held in Athens from October **6th to 10th**, 2021 with **physical presence and face to face discussions**.

News alert: It is our great pleasure to announce a thematic collection-publication for selected full papers submitted to the conference, in Quarterly Journal of Engineering Geology and Hydrogeology (QJEGH):

- Thematic collection for selected full papers in QJEGH:
- Leading to Innovative Engineering Geology Practices
- New call for full papers and extended abstracts till 30th of June

The scientific program will offer delegates a wide range of innovative and interesting topics, with 11 Keynote Speakers and already more than 250 oral - poster presentations in sessions and specialized workshops. Keep tuned for the scientific and social program of EuroEngeo 2020.

We are confident it will be an excellent meeting bringing together friends and colleagues after a long period of absence.

We are looking forward to welcoming all in person in Athens.

Conference Information

Website: <https://euroengeo2020.org/>; Tel: +30-210-7569127

E-mail: info@euroengeo2020.org (general information/requirements)

registrations@euroengeo2020.org (registration)

Field Trips



Corinth Canal



Cape Sounion

Keynote Speakers



Dr. Dominique Ngan-Tillard

Assistant Professor, Faculty of Civil Engineering and Geosciences, Delft University of Technology



Dr. Helen Reeves

Science Director for Engineering Geology & Infrastructure, British Geological Survey (BGS)



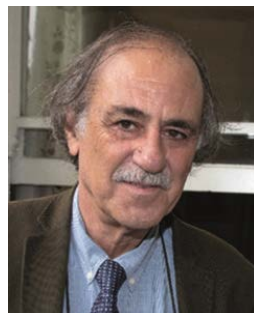
Professor D. Jean Hutchinson

Department of Geological Engineering at Queen's University, Kingston, Canada



Dr. Christian Zangerl

University of Natural Resources and Life Sciences, Vienna (BOKU), Institute of Applied Geology Department of Civil Engineering and Natural Hazards



Professor Reşat Ulusay

Department of Geological Engineering, Hacettepe University and Middle East Technical University (METU), Ankara, Turkey



Professor Kurosusch Thuro

Department of Engineering Geology, Technical University of Munich, Germany



Professor Simon Löw

Chair for Engineering Geology, Department of Earth Sciences ETH, Zurich, Switzerland



Professor Eugene A. Voznesensky

Department of Engineering and Environmental Geology, Lomonosov Moscow State University, Russia



Adjunct Professor Jonny Sjöberg

Department of Rock Mechanics and Rock Engineering, Luleå University of Technology, Sweden
General Manager, Itasca Consultants AB, Sweden



Dr. Janusz Wasowski

Senior geologist at CNR-IRPI (National Research Council - Institute for Geo-hydrological Protection) in Bari, Italy.



Professor Neil Dixon

School of Architecture, Building and Civil Engineering at Loughborough University, UK.

07 13th Asian Regional Conference of IAEG



IAEG-ARC13 Organizing Committee continues to monitor evolving factors relating to the COVID-19 pandemic. The evolving situation continues to throw up new uncertainties and due to the need to guarantee attendee safety, it is decided that the meeting will be conducted in an all virtual setting instead. We look forward to having you join us for this fully online event.

Conference Information

Date : November 16-18, 2021

Website: <http://www.iaeg-arc13.org/>

E-mail: iaeg-arc13@meetmatt.net; Tel : +65-6472-3108 ; Fax : +65-6472-3208

Schedule

Date/Time	Tue-16 Nov	Wed-17 Nov		Thu-18 Nov	
AM1	Opening Ceremony Keynote #1	Keynote #3		Keynote #5	
AM2	AM Presentations	AM Presentations	Poster Q & A	AM Presentations	Poster Q & A
PM1	Keynote #2	Keynote #4		Keynote #6 Panel discussion	
PM2	PM Presentations	PM Presentations	Poster Q & A	Closing Ceremony	

Topics

- Applied Geomorphology and Structural Geology
- Soil Mechanics and Geotechnical Engineering
- Rock Mechanics and Underground Space
- Site Investigation and Geological Model
- Slope Stability and Landslides
- Geo-hazard Engineering and Risk Assessment

Special Topics

S1 - Numerical and Experimental Advances in Multiscale Failure Analysis in Engineering Geology

S2 - Environment and Engineering Geophysics

S3 - Environmental Processes in Geotechnics

S4 - Engineering Geology for Tunnels and Underground

S5 - Karst Geology and Environmental Geotechnics

S6: Rock Mechanics for Geothermal Energy

Registration

SGD 400---paid by September 28, 2021

SGD 450---paid after September 28, 2021

Please refer to https://www.iaeg-arc13.org/public.asp?page=fees_and_registration.asp for details.

Keynotes



Raymond W.M.

CHEUNG

HK Geotechnical
Engineering Office



Jian CHU

Nanyang Technological University



Hsein JUANG

Clemson University and National Central
University, Editor in Chief of Engineering
Geology



Jonny RUTQVIST

Lawrence Berkeley
National Laboratory



Mark D. ZOBACK

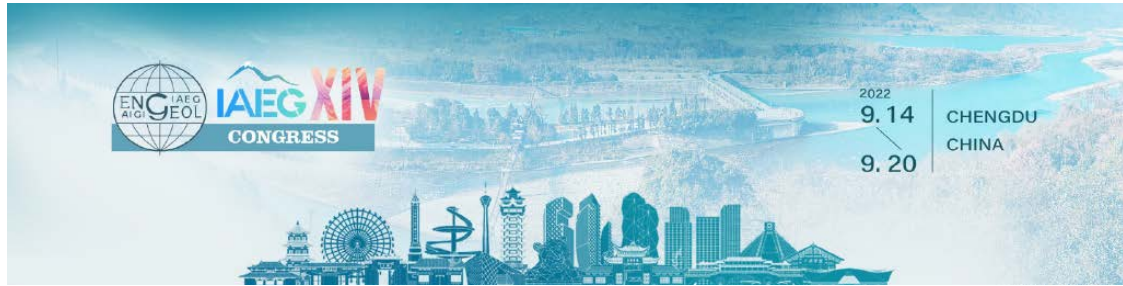
Stanford University



Shengwen QI

Chinese Academy of
Sciences, Beijing

08 XIV IAEG CONGRESS



The XIV Congress of the International Association for Engineering Geology and the Environment will be held in Chengdu Century City New International Convention and Exhibition Center, Chengdu, China from September 14 to 20, 2022. Based on the theme of Engineering Geology for a Habitable Earth, the congress is expected to enhance the disciplinary and research development of international engineering geology and the environment, and contribute to the advancement of major projects, ecological progress, and habitable earth with research and discussion in the engineering geology and global climate change, geological hazard assessment and prevention, geotechnical properties of rock and soil mass, engineering geology and the environmental issues concerning marine, transportation, urban and ecological environment protection in major projects, engineering geology and resilience engineering construction, intelligent engineering geology, and new theories, methods, and techniques in engineering geology, etc.

Contact Information

Website: <https://iaeg2022.org/>

Venue: Chengdu Century City International Conference Center

Session and Field Course

Yonghong Luo: 445890689@qq.com; Peng Zeng: zengpeng15@cdut.edu.cn

Sponsorship:

Dongpo Wang: wangdongpo@cdut.edu.cn; Shenghua Cui: cuishenghua18@cdut.edu.cn

Address: No. 1 Dongsan Road, Erxianqiao, Chenghua District, Chengdu, Sichuan, China

Tel: 028-84073193; Email: IAEG2022@cdut.edu.cn

Note: For registration and payment, please refer to follow-up notification

Feel free to distribute this notification with your colleagues, other academic networks and organizations.

General Scientific Themes

- Climate Change Mitigation and Adaption
- Engineering Geology and Green Development
- Engineering Geology and Environmental Disaster
- Mechanism, Prevention and Assessment of Geological Disasters
- Environmental Engineering Geology and Ecosystem Protection
- Geotechnical Properties of Rock and Soil Mass

- Traffic Engineering Geology and Sichuan-Tibet Railway Construction
- Energy Engineering Geology and Deep Earth Resource Exploitation
- Urban Engineering Geology and Underground Space Utilization
- Marine Engineering Geology and Coastal Development
-

Call for Sessions

The organizing committee would like to invite session proposals in related topics. Creativity and innovation are positively encouraged in the development of topics. This call will generate session topics for congress participants to choose from during the published paper submission, oral presentation and poster. Session organizers for included sessions are responsible for accepting or declining participants to their sessions.

The call for sessions will be end by August 31, 2021. Please read the Guidelines for Session Proposals prior to submitting your application. Submit your application via: <https://www.iaeg2022.org/cfs.html>.

Conference Schedule

Due to the need for regular epidemic control, the congress adopts a hybrid mode of online and offline. The congress is preliminarily arranged as follows:					
September 14	September 15	September 16	September 17	September 18	September 19-20
Registration	Opening Ceremony & Keynote Speech	Sessions	Sessions	Sessions & Closing Ceremony	Field Trip
Note: The schedule may be adjusted later, please refer to the follow-up notice.					

Important Dates

July 30, 2021	Abstract for full-length paper submission deadline
August 15, 2021	Abstract for full-length paper accepted notice
October 30, 2021	Full-length paper submission deadline
January 3, 2022	Oral presentation and poster submission notice
April 1, 2022	Oral presentation and poster submission deadline
September 14, 2022	Online registration deadline
September 15, 2022	IAEG Congress

Please refer to <https://www.dropbox.com/s/nwjh9a397bl61pq/Second%20Announcement%20-%20IAEG%20XIV%20Congress%202022.pdf?dl=0> for the latest announcement of the 14th IAEG Congress.

09 MEETING INFORMATION

Brussels, Belgium, September 6-10, 2021

48th IAH Congress

The 48th IAH Congress will be held in Brussels, Belgium, in September 2021. The General theme of the congress is INSPIRING GROUNDWATER. The year of 2021 is highly anticipated: it is the year after the 2020 COVID pandemic affected our planet. We all hope this world crisis will be behind us in 2021 and we can hold a double congress celebration.

For us hydrogeologists, 2021 will see the 47th IAH CONGRESS held in Brazil on August 22nd – 27th and the 48th IAH CONGRESS in Belgium on September 6th – 10th. Two congresses for IAH's 65th Birthday!



Meeting Information

Website: <https://iah2021belgium.org/>; E-mail: iah2021belgium@mci-group.com

Venue: Brussels Convention Center

Pre-Congress Excursions



GHENT



NAMUR



ANTWERP

Topics



Mineral and Thermal Water ©Spadel



Groundwater/Surface Water Interaction
©Marijke Huysmans

Fukuoka, Japan September 9-11, 2021

5th International Workshop on Rock Mechanics and Engineering Geology in Volcanic Fields



Firstly, we hope that you, your family and your community are keeping safe and well at this difficult time due to COVID-19 (coronavirus). We are well aware that many conferences are being impacted by this terrible virus. Furthermore, we now are afraid of new strains of COVID-19. After much dialogue with the RMEGV2021 Organizing Committee and the RMEGV2021 Steering Committee, we would like to announce our decision to hold RMEGV2021 as both an onsite and a video conference (hybrid conference) next September in order to minimize the impact of the virus.

Secondly, in order to enhance the value of this workshop, we have decided to change the final submitted documents from extended abstracts to proceedings papers, which can be opened on OnePetro. All contributors who intended on submitting abstracts should now prepare proceedings papers of over four pages.

Conference Information

Website: <https://ec-convention.com/rmegv2021/> Tel: +81-11-299-5910; Venue : Fukuoka University

Email: rmegv2021@rocknet-japan.org; contact person: Takehiro OHTA

Registration Fee

	Early Bird March 31 to August 6	Regular August 7 to September 10
Member	40,000 JPY	50,000 JPY
Non-member	50,000 JPY	60,000 JPY
Student	24,000 JPY	24,000 JPY

Excursion—Aso Area

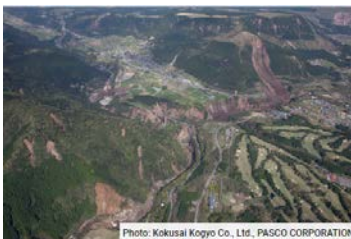
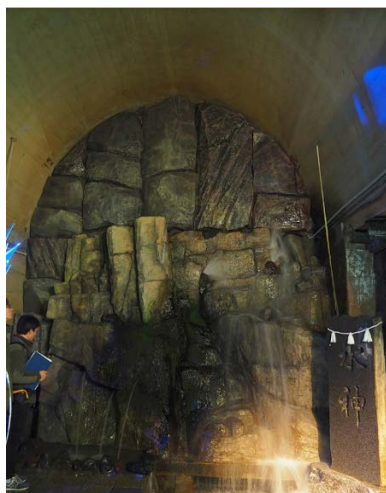


Photo: Kokusai Kogyo Co., Ltd., PASCO CORPORATION

Nanjing, China October 26-31, 2021

2021 International Symposium on Deep Earth Exploration and Practices



DEEP-2021 will emphasise recent global research on the deep Earth. The meeting will serve as a platform where participants can exchange ideas on progress in deep exploration of the lithosphere, better understand of deep processes in the Earth, expand the new knowledge into practical applications, and consider international collaboration on deep exploration of the Earth. DEEP-2021 will offer an unprecedented opportunity for establishing international collaboration within the earth sciences. SinoProbe-II will look for close partnership and collaboration through the DEEP-2021 platform, aiming for integration of exploration and research of critical geological study areas worldwide, and contributing to the international sharing of exploration data and results, with the overall objective of enhancing our knowledge of the Earth.

Conference Information

Website: <http://2021.sinoprobe.org/>

1. Scientific Proposal, Abstract, Program and Exhibition Inquires

Contact Person: Ms. Zhou Qi;

Email : Email: 1437922567@qq.com, sinoprobe@cags.ac.cn; Tel:+86-10-68999617

2. International Cooperation Inquires

Contact Person: Ms. Li Wei

Email: dic@cags.ac.cn; cagsdic@163.com; Tel: +86-10-68999619

Topics

New Collaborations in Deep Earth Studies

Meeting Platform

Most of the sessions and other events at the DEEP-2021 will make use of VooV(<https://voovmeeting.com/>) and VooV webinar. In joining these, all attendees will be offered the option of using a web browser rather than the VooV app. Most major participant functions are supported in the browser, including sharing screens, chat, and breakout rooms. Please click <https://www.dropbox.com/s/j1qbdw0q09hcsha/voov.pdf?dl=0> for VooV Meeting Operation Guide.



VooV Meeting Operation Guide

Fort Lauderdale, USA, December 6-8, 2021

Specialty Geotechnical Workshop For Dam & Levee Investigations & Modifications



The workshop is co-sponsored by AEG and USSD and will be two days of presentations followed by an optional field trip to Herbert Hoover Dam. Presentations will cover geotechnical investigations and dam modifications best practices and risk management, followed by a round table discussion with all the speakers.

Goals

- Highlight best practices in geotechnical exploration and construction in dams and levees
- Present case histories with a range of exploration and construction techniques
- Discuss issue resolution and decision making in a risk framework

Conference Information

Date : December 6-8, 2021

Website: www.aegmeetings.org; E-mail: heather@aegweb.org;

Hotel: Westin Fort Lauderdale Beach Resort

Registration

Registration Fees	(The workshop is limited to the first 100 registrations)
Full Registration	Member \$450, Non-Member \$495
Full Registration after 11/1/21	Member \$500, Non-Member \$550
Student Full Registration	\$100 (Limited to 5 students)
Optional Field Trip	\$90 (includes a box lunch)

Please refer to <https://www.aegmeetings.org/registration> for registration.

Registration

\$90 per person on December 8, 2021



Herbert Hoover Dike (Photo Credits: USACE)



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