



IAEG

NEWSLETTER

Issue No.4, 2020

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Edited by the IAEG Secretariat, Shaoxing, China

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The Co-Editor-in-Chief of BOEG Resat Ulusay Retired



Due to health reasons, Professor Resat Ulusay retired from the position of Co-Editor-in-Chief of Bulletin. The Executive Committee has accepted his resignation and expressed their appreciation to Resat's great devotion and efforts to the development of Bulletin. Within his term as Co-Editor-in-Chief of BOEG, a remarkable increase in its Impact Factor from 2.138 to 3.014, which carried BOEG to the top 10 for Engineering, Geological journal category. All the Executive Committee members are very concerned about his health and hope he can slow down and take care of his health.

New Co-Editor-in-Chief of BOEG is Appointed

Recommended by Resat Ulusay and Louis Wong, Prof. Arindam Basu from India has been officially appointed as the new Co-Editor-in-Chief of BOEG with full 12 votes of the Executive Committee. Arindam Basu expressed his thanks to Resat Ulusay and Louis Wong, as well as the IAEG Executive Committee for accepting the recommendation and approving the appointment. Prof. Arindam Basu is currently working as professor at the Department of Geology & Geophysics in IIT Kharagpur. He will take over the position of Resat and serve as the Co-Editor-in-Chief together with Louis Wong.



Please refer to <https://www.dropbox.com/s/hb3hm19gv1k20kc/brief%20cv%20of%20arindam%20basu%20%28updated%20on%208th%20november%202020%29%20for%20boeg.pdf?dl=0> for the CV of Prof. Arindam Basu.

Paolo Allasia is appointed as the Data Controller of IAEG Website

According to the recommendation of the Web-Editor-in-Chief of IAEG Prof. Giorgio Lollino, Dr. Paolo Allasia is appointed as the Data Controller of website, who is responsible for network services and personal data processing under the direct of EU-GDPR. Paolo Allasia is an Engineer and research scientist on the Research Institute for Geo-Hydrological Protection of Italian National Research Council. In the Geohazard Monitoring Group, develop and project a complex monitoring networks for integrated control of landslides, buildings etc. Works in the analysis of data acquired from integrated and complex monitoring systems, with particular attention to measurements' confidence level and relative errors. For what concerns the monitoring of superficial slope instability phenomena, he contribute in the design and development of specific software to process large datasets acquired in near-real time. He is also the referent for inclinometric measurements, and coordinated the development of an updated version of the Robotized Inclinometric System (Patented). In the field of monitoring surface displacements with a contactless approach, it has developed a system based on image processing techniques (Patented). The experience gained in the field of control of landslides using advanced technology (terrestrial, aerial, UAV), has also allowed us to develop



themes research aimed at developing specific software's for handling big data also acquired in near real time. He has participated in EU project LAMPRE and is frequently called to provide technical and scientific support in national emergencies scenario related to geo-hydrological hazards. Due to the specific expertise in monitoring activities, the involvement in emergency scenarios do not exclusively belong to the geo-hydrological instability, but they also encompass seismic and anthropic hazards.

Please refer to https://www.dropbox.com/s/yi1rdfnrj5pht68/Allasia_Short%20CV.pdf?dl=0 for the CV of Paolo Allasia.

	President:	Prof. Rafiq Azzam
	Past President:	Prof. Scott Burns
	Secretary General:	Prof. Wu Faquan
	Treasurer:	Dr. Jean-Alain Fleurisson
	Vice Presidents	
	Africa:	Prof. Tamunoene Kingdom Abam
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	Australasia:	Prof. Bo-An Jang
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	North America:	Dr. Vassilis Marinos
	South America:	Prof. Eugene A. VOZNESENSKY
		Prof. Jean Hutchinson
		Mr. Norberto Jorge Bejerman
<hr/> Professor Faquan Wu IAEG Secretary General: Shaoxing University No. 508 Huanchengxilu, Shaoxing City, Zhejiang Province, 312000, CHINA Tel/Fax: +86 -575 -8834 6551, Mobile: +86-13910509506 Email: iaegsg@163.com		

Letter of Appointment for Data Controller of Website

According to the recommendation of the WebEditor-in-Chief of IAEG Prof. Giorgio Lollino, we have agreed to appoint Dr. Paolo Allasia as the Data Controller of website, who is responsible for network services and personal data processing under the direct of EU-GDPR.



President(Signature):
Rafiq Azzam



Secretary General (Signature):
Faquan Wu

Date: November 27th, 2020

Summary Report of 2020 for Africa

-by Vice President Kingdom Abam

There are currently 3no. IAEG National Groups in Africa, comprising in order of membership strength, South Africa, Nigeria and Algeria. Promising new national groups include: the Great Lakes (particularly

Uganda) and Ghana. Uganda has for instance opened a WhatsApp Group with 26 members, preparatory to formal registration as a National Group with IAEG. Ghana has also been planning to register formally with IAEG, especially as they would be hosting the next IAEG Africa Regional congress. Nigeria and South Africa have been holding routine professional meetings, seminars and workshops and related activities regularly online due to covid-19 pandemic. The Nigeria National Group (NAEGE) held its 5th Annual International Conference in September with the theme “Environmental and Engineering geology as invaluable tool for infrastructural development” as well as hosted 6 Online Webinars thereafter with presenters, topics and dates as follows:

- Professor A Y B, Anifowose, The Role Of Geoscientists In The Building And Construction Environment, (16 DEC., 2020)
- Prof. A.A Adepeluni: Shallow faults reactivation by hydraulic fracturing: links to possible tremors and safety of engineering structures and facilities in such regions (3 Dec. 2020)
- Dr. Malcomm Whitworth: Landslide monitoring and mapping using high resolution remote sensing and drone surveys. 18 Nov. 2020
- Prof. E. G Akpokodje: geosciences in post covid-19 pandemic lockdown: Turning crisis into opportunity 24 July, 2020
- Prof. T.K.S Abam: Soil characterization with the penetrometers: Data acquisition and interpretation. 24 June 2020
- Prof. Moshood N Tijani: Writing scientific research manuscripts and technical reports in geosciences 10 June, 2020

The subsidiary Lagos chapter hosted a Webinar on 16th December, 2020. There is still some challenge with efforts to reach the Algerian National Group. The decision of the executive committee at the April 2019 meeting in Paris for VP2 (Europe) to assist reach out to North African countries and Iran might produce the needed result.

Since my last report, I have participated in the valedictory lectures of two of our senior Professors, namely; Prof. EG Akpokodje (Professor of Engineering/Environmental geology) and Prof. SC Teme (Professor of Engineering geology and Geotechnics) both of who retired from the university as they turned 70 years. I also visited one of our senior fellows, Engr. Enoch George as he turned 90 years. During the period also, I participated in a Webinar organized by the YEG on Risks Mitigation in soils and another webinar to mark the attainment of 70 years of Prof. S Maloma, the first Nigerian to obtain a PhD degree in Engineering geology.

Plans for the future:

We have established focal points in Kenya and Congo Brazzaville. We are hopeful that these contacts will reach out essentially using same strategy as in Ugandan and Ghana.

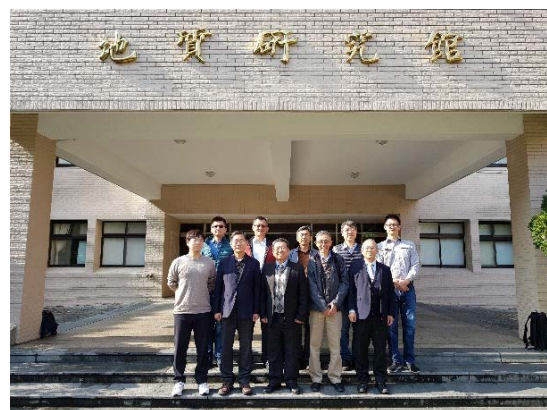
Summary Report of 2020 for Asia

-by Vice President Bo-An Jang

Bo-An Jang visited Myanmar, a new national group of IAEG, from 6th to 10th of January, 2020. He attended “The Fourth International Congress on Geoscience of Myanmar and Surrounding Regions plus IGCP 668 & IGCP 679” and presented a keynote lecture. The title is “Introduction to International Association for Engineering Geology and the Environment”. He introduced IAEG to members of Myanmar Geosciences Society and discussed cooperation between Myanmar and IAEG.



Bo-An Jang visited Taiwan during 19~22 January, 2020. He visited the National Central University and the Earthquake Disaster & Risk Evaluation and Management Center (E-DREAM) in the National Central University. He introduced IAEG and gave a lecture for professors and students of the National Central University and E-DREAM center. He also discusses cooperation between IAEG and the National Central University and E-DREAM center. He also visited the Geological Survey of Taiwan and met president of the Geological Survey of Taiwan and president and board members of Taiwan National group of Engineering Geology. He introduced IAEG to members of the Geological Survey of Taiwan and Taiwan National group of Engineering Geology.



Bo-An Jang attended International Union of Geological Sciences (IUGS) council meeting held in Busan, Republic of Korea during 15~18, January 2020 as a representative of IAEG. He presented the "Brief of IAEG" to board members of IUGS, in which he introduced activities and current situation of IEAG. IUGS council meeting discussed the 36th and 37th IGS and other issues.



Bo-An Jang attended the 2020 fall meeting of the Korean Society of Engineering Geology. He presented a keynote lecture to introduce application of plasma blasting to rock and soil engineering. The conference was held in both virtual and in site methods. The Korean Society of Engineering Geology celebrated 30th anniversary.



Summary Report of 2020 for Asia

-by Vice President Huiming Tang

(1) 11th National Congress of Engineering Geology, Wuhan, China

From October 16 to 18, 2020, the 11th National Congress of Engineering Geology, hosted by the Chinese Geological Society (CGS), organized by the Engineering Geology Committee of the Chinese Geological Society and China University of Geosciences (Wuhan), and co -organized by 54 institutions including the National Natural Science Foundation of China, was held in East Lake Hotel, Wuhan, China. Focusing on "Engineering Geology and Livable Earth", the Congress proposed topics on engineering geology, global change and engineering geology, prevention and control of geological disasters, rock and soil structure and engineering geological characteristics, engineering geological problems in ocean, transportation, urban and environmental protection in major engineering construction, engineering geology and toughness engineering construction, artificial intelligence of engineering geology, big data and cloud computing, new theory - new method and new technology of engineering geology, education and discipline development of engineering geology. There were 3 plenary lectures, 20 keynote lectures and 17 invited lectures in this Congress. The progress and achievements of engineering geology in recent years were comprehensively reviewed, and the future development prospects are outlined. Through the research and discussion of 12 topics on engineering geology, suggestions were made for major projects and livable earth construction in China. In order to implement the requirements of epidemic prevention, the Congress was organized by online live broadcast and offline meetings, with about 340 offline participants and 200000 online live viewers.



IAEG Vice President, Prof. Huiming Tang gave a congratulatory address



Secretary General of IAEG China National Group, Prof. Shengwen Qi gave an academic summary



Group Photo



The 5th Gu Dezhen Youth Award

(2) 2020 Joint member meeting of Engineering Geology Committee, CGS and IAEG China National Group, Wuhan, China

Before the 11th National Congress of Engineering Geology, 2020 Joint member meeting of Engineering Geology Committee, CGS and IAEG China National Group was held in Meiling auditorium of East Lake Hotel, Wuhan on October 16, 2020. The meeting was presided over by IAEG Secretary General, President of IAEG China National Group and Secretary of the 10th Engineering Geology Committee, CGS Prof. Wu Faquan and attended by more than 200 members of Engineering Geology Committee, CGS and IAEG China National Group.

All representatives listened to and discussed the past 4 years' work report of Engineering Geology Committee, CGS and IAEG China National Group and report on the word of new term of Engineering Geology Committee, CGS. The new office of Engineering Geology Committee, CGS is approved by all representatives. Prof. Huiming Tang and Prof. Shengwen Qi are the Director and Secretary General of 11th Engineering Geology Committee, CGS, respectively. More issues such as the future academic activities talents cultivation and discipline development are discussed and arranged in the meeting.

(3) 18th International Symposium on Geo-disaster Reduction & 4th Gu Dezhen Lecture, Beijing, China

From November 20 to November 22, 2020, the 18th International Symposium on Geo-disaster Reduction & 4th Gu Dezhen Lecture was held in the Institute of Geology and Geophysics, Chinese Academy of Sciences. The theme of the conference is *Improving the relationship between Geoenvironment and Society*. The conference was jointly held by the International Consortium on Geo-disaster Reduction (ICGdR), the Engineering Geology Committee of the Chinese Geological

Society, the Key Laboratory of Shale Gas and Geological Engineering Academy of the Chinese Academy of Sciences and Tongji University. Due to the epidemic situation, the conference will be organized in the way of "online + offline". Experts from 9 countries participated the conference online. Online live broadcast was open to participants around the world for free, and the accumulative total number of online participants reached 899000.

Gu Dezhen Lecture, a high-level forum on engineering geology in China, invited Prof. Jianbing Peng (Academician of CAS) as the lecturer this year. He introduced research development of the loess deformation as well as his personal academic experience, which was delivered to online audience by simultaneous interpretation.



Prof. Peng Jianbing gave the 4th Gu Dezhen lecture

Summary Report of 2020 for South America

-by Vice President Norberto Jorge Bejerman

The region, which have included four national groups for years (Argentina, Brazil, Colombia, and Paraguay), has incorporated Costa Rica and Chile. The groups were active with main conferences and activities taking place in 2020.

Costa Rica incorporation has implied the presentation of a proposal to the Executive Committee of IAEG together with the IAEG Vice president for North America, Jean Hutchinson, to modify the denomination of the regions. This proposal was accepted by the IAEG Executive Committee and must be voted by the IAEG Council. The modification implies that North America and South America will be replaced by this scheme:

North America: USA, Canada

Latin America: All countries in the Central and South America regions, except USA and Canada.

Additionally, the countries where the language is English will be overseen by the North America Vice-president even if they were situated in the other region.

Since January 1st I have been in touch with colleagues and institutions from different countries. Bolivia, Perú and Mexico will become IAEG members in 2021. Ecuador is analyzing its incorporation. The IAEG National Group of Argentina is organizing the 1 st IAEG South American regional conference and 2nd Argentine Congress of geology applied to engineering and the environment, "Geology

applied to society development” that will be held in Córdoba, September 6-10, 2021.

Summary Report of 2020 for Website

-by Giorgio Lollino and Paolo Allasia

This report describes the IAEG website performance in the period of Jan 1, 2020 - Dec 31, 2020 and for comparisons also the previous year (Jan 1, 2019 - Dec 31, 2019)

Figure 1 a,b shows the number of sessions registered by the website during the last two years.

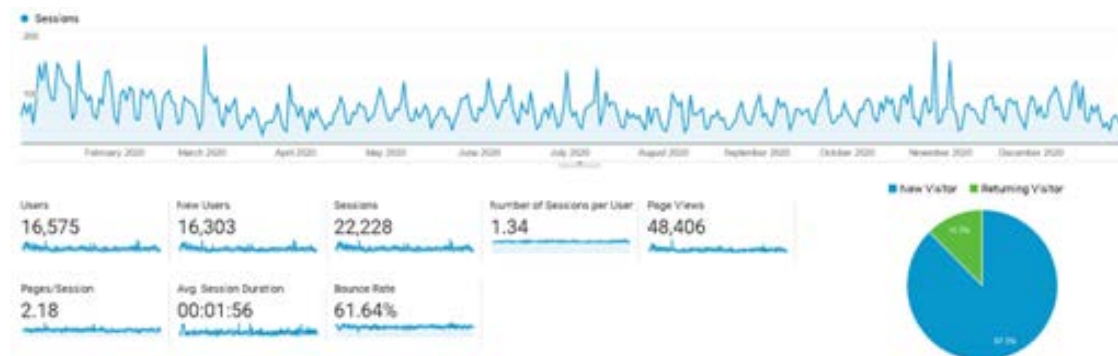


Figure 1a: Number of registered sessions and viewed page, and session duration.
2020 Jan, 1 – 2020 Dec 31



Figure 1b: Number of registered sessions and viewed page, and session duration.
2019 Jan, 1 – 2019 Dec 31

In these charts is possible to observe:

- A quite stable situation on 2020 vs 2019 (-5%) with a small reduction of pages viewed;
- Time spent on the website (about 2 mins - stable);
- The percentage of the new visitors vs the returning one are stable (87,5%). The Previous period was 87,4%;
- The bounce rate (the percentage of visitors who enter the website and then leave rather than continuing to view other pages within the same website) are stable (61,6 vs 60%);
- The year 2020 are characterized by a stable sessions trend without significant peaks probably related to the conference cancellation. Generally before and after the congresses can be observed a peaks related to the congresses interest.

The geographic distribution to the website accesses confirm that the higher number of visitors comes from USA, China and India. The comparison between the two last year show a similar ranking for first 7 places. We have observed also an increase of ranking of Greece probably due to the next

scheduled IAEG regional congress in Athens. Similar behaviour was observed for the Korea related to the last ARC Congress in Jeju Island on 2019.

The most visited area is related to the Webinars. In particular, in the last year, due to COVID pandemic problems all the webinar portals and distance teaching platforms have registered a small or big visitor's increase. At the same time, the congresses pages have registered a decrease do to the congresses cancellation.

Regarding the type of the connection used to browse of the website, in the last years the users liked the desktop/laptop and smartphones and confirm the slow but progressive disappearance of tablets.

Regarding of the social media activities, we observe a general increasing of the followers and likes in particular on Instagram. To increase the IAEG visibility on social media please share media and follow this pages!

Summary Report of 2020 for YEG

-by Stratis Karantanellis

1. Initiation of e-YEG webinar series

YEG committee has initiated the e-YEG webinar series since June 2020. Monthly live virtual presentations from two (2) invited distinguished speakers (one (1) from a YEG and one (1) from a Senior) have been given to the public on "State-of-the-Art" technologies in engineering geological and geotechnical applications via online platforms (ZOOM App).

A summary for 2020 invited speakers can be found on the table below.

YEG	Senior	Month	Topic
Louise Vick	Vassilios Marrinos	June	Landslide and Rock slope characterization
Sarah Bastin	Tim Nash	July	Investigation on Soils
Yifei Cui	Kingdom Abam	October	Risk Mitigation in Soils
Julien Cohen- Waeber	Jean Hutchinson	November	Risk assessment and management for geological engineering projects
Stratis Karantanellis	Daniele Giordan	December	Innovative solutions for slope instabilities monitoring

2. "Get to know us better" section

To increase awareness of the achievements of Young Engineering Geologists worldwide, we started posting interviews with emerging Young Engineering Geologists around the world. The current section is a monthly presentation of diverse engineering geological profiles. The selection for the first year was based on the national representatives of the IAEG network. More interviews can be found on the IAEG-YEG website.

3. A worldwide YEG network

National IAEG Young Representatives have been contacted in order to build a concrete network of young Engineering Geologists around the world. It compiles a base for future actions and knowledge exchanged among the national young groups of IAEG. We have a monthly meeting in order to hear from them and discuss any actions of our network.

4. Social media update

—Twitter <https://twitter.com/realYEGs>

- Initiated in 2018 – Today 270 followers

—Facebook <https://www.facebook.com/realYEG>

- Initiated in 2019 – Today 527 followers

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

- Initiated in June 2020 – Today 205 subscribers

The FedIGS Virtual Council Meeting on December 7, 2020

The FedIGS Board has their yearly meeting virtually on December 7, 2020 via Zoom with all 13 board members and 1 JTC representative being present. The President of FedIGS Xiating Feng chaired the meeting and gave the opening address. The meeting lasted for three hours. The representatives in charge of JTCs and presidents from IAEG, ISRM, ISSMGE and IGS gave their reports on the developments of the associations, as well as the some other issues encountered respectively. The President Rafiq Azzam, Past President Scott Burns and Secretary General Faquan Wu have attended the meeting, Rafiq gave a brief report on behalf of IAEG to the board on the activities ,works and developments within IAEG in 2020.

Please refer to <https://www.dropbox.com/s/a8f7xv2q4lvso4o/fedigs%20meeting%20summary.pdf?dl=0> for the link below for the FedIGS meeting summary.



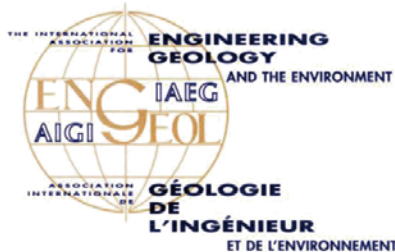
Participants at FedIGS virtual meeting



ANNOUNCEMENT OF NEW ESTABLISHED NATIONAL GROUP

IAEG Executive Committee has accepted Chile as a new national group of IAEG with full votes..
Congratulations to Chile National Group.

Chile National Group



President:	Prof. Rafiq Azzam
Past President:	Prof. Scott Burns
Secretary General:	Prof. Faquan Wu
Treasurer:	Dr. Jean-Alain Fleurisson
Vice Presidents	
Africa:	Prof. Tamunoene Kingdom Abam
Asia:	Prof. Huiming Tang
	Prof. Bo-An Jang
Australasia:	Mr. Doug Johnson
Europe:	Dr. Vassilis Marinos
	Prof. Eugene A. VOZNESENSKY
North America:	Prof. Jean Hutchinson
South America:	Mr. Norberto Jorge Bejerman

Professor Faquan Wu
IAEG Secretary General:
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Appointment Letter

The Executive Committee of International Association for Engineering Geology and the Environment (IAEG) has approved the proposal to establish the Chile National Group with full votes. We are officially announcing that the Chile National Group has established, Natalia Garrido Urzúa is appointed as the President, Sergio Sepúlveda Valenzuela as the Vice-President and Sofía Rebolledo Lemus as the Secretary General of the Chile National Group.

Congratulations to this new National Group!

Best Regards,

President(Signature):
Rafiq Azzam

Secretary General (Signature):
Faquan Wu

Date: November 20th, 2020



CALL FOR MEMBERSHIP UPDATE 2020

By December 30, 2020, the members of IAEG reached 4004 from 67 national/regional groups, 1618 with Bulletin, 2365 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	340	154	185	1
	2	New Zealand	459	179	280	0
Vassilis Marinos	3	Albania	11	1	10	0
	4	Austria	21	11	10	0
	5	Bulgaria	10	7	3	0
	6	Croatia	25	8	17	0
	7	Cyprus				
	8	France	117	66	40	11
	9	Georgia	16	1	15	0
	10	Greece	93	27	66	0
	11	Hungary				
	12	Italy	84	75	9	0
	13	Portugal	71	43	27	1
	14	Romania				
	15	Serbia				
	16	Slovenia	27	14	12	1
	17	Spain	40	40	0	0
	18	Switzerland	68	68	0	0
	19	Turkey	114	0	114	0
Eugene A. Voznesensky	20	Netherlands	31	31	0	0
	21	Lithuania	10	10	0	0
	22	The United Kingdom	292	292	0	0
	23	Belgium	55	26	29	0
	24	Czech Republic	26	11	15	0
	25	Denmark				
	26	Estonia				
	27	Finland				
	28	Germany	481	41	440	0
	29	Iceland				
	30	Ireland				
	31	Norway				
	32	Poland				
	33	Russia	85	30	55	
	34	Slovak Republic	7	3	4	0
	35	Sweden	36	36	0	0
	36	Kyrgyzstan	1	1	0	0
	37	Uzbekistan				
Tamunoene Kingdom Simeon Abam	38	Algeria				
	39	Nigeria	48	16	32	0
	40	South Africa	206	4	202	0
D. Jean Hutchinson	41	Canada	158	150	8	0
	42	Mexico				
	43	USA	222	59	163	0

Norberto Jorge Bejerman	44	Argentina	24	24	0	0
	45	Brazil	27	20	6	1
	46	Chile				
	47	Colombia	14	11	3	0
	48	Costa Rica	13	13	0	0
	49	Paraguay				
	50	Peru				
Bo-An Jang Huiming Tang	51	Bangladesh	61	3	58	0
	52	China				
	53	Chinese Taipei	83	15	68	0
	54	HongKong SAS	6	4	2	0
	55	India	79	37	42	0
	56	Indonesia				
	57	Iran				
	58	Iraq				
	59	Japan	77	65	6	6
	60	Korea	76	0	76	0
	61	Malaysia	43	3	40	0
	62	Mongolia	12	3	9	0
	63	Myanmar				
	64	Nepal (NGS)	135	2	133	0
		Nepal (NSEG)	132	2	130	0
	65	Singapore	48	0	48	0
	66	SEAGS	12	9	3	0
	67	Vietnam				
Individual Member			8	3	5	0
Associate Member						
Total			4004	1618	2365	21





YEG WEBINAR SERIES

Following the first three 'e-YEG' webinars, YEG welcomed another two webinars. The 4th 'e-YEG' webinar focuses on the topic of Risk Assessment & Management for Geological Engineering Projects, presented by Dr. Jean Hutchinson (Canada) and Dr. Julien Cohen-Waeber (USA) on November 24, 2020.



The group of Young Engineering Geologists (YEG) — IAEG invites you to the 4th series of "e-YEG" webinars with invited presentations from Prof. Jean Hutchinson (CANADA) & Dr. Julien Cohen-Waeber (USA)

Topic: Risk Assessment & Management for Geological Engineering projects



Day: Tuesday, 24th November 2020
Time: 16:00 UTC (GMT)
Platform: Zoom App

~Registration link on the bottom~

Dr. Jean Hutchinson

Dr. Jean Hutchinson is a professor in Geological Sciences and Geological Engineering, is a registered Professional Engineer in Ontario, and is a Fellow of both the Canadian Academy of Engineering and the Engineering Institute of Canada. A Geological Engineer by training, Jean practiced as an engineer for several years, first with the Ontario Ministry of Transportation, and later with Klohn Crippen Consultants, before joining first the University of Waterloo and then moving to Queen's University. Jean specializes in rock engineering, site characterization and risk management for mining and transportation infrastructure, with a focus on landslide hazards, and novel monitoring techniques.

Dr. Julien Cohen-Waeber

Dr. Julien Waeber has over 10 years of experience 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. Dr. Waeber 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.

Registration form: <https://docs.google.com/forms/d/e/1FAIpQLSvSeP8-0k-N98ODIQmanCjfaVtGa0r1cZqY0C9tUy2EduA/viewform>

Participants at FedIGS virtual meeting

The 5th e-YEG was held on December 18, 2020, which invited Dr. Daniele Giordan from Italy and YEG's Chair Mr. Stratis Karantanellis from Greece to give talks on the topic of The use of Innovative Solution for Slope Modelling and Monitoring.



The group of Young Engineering Geologists (YEG) — IAEG invites you to the 5th series of "e-YEG" webinars with invited presentations from Dr. Daniele Giordan (ITALY) & Mr. Stratis Karantanellis (GREECE)

Topic: The use of Innovative Solution for Slope Modelling and Monitoring



Day: Friday, 18th December 2020
Time: 14:00 UTC (GMT)
Platform: Zoom App

Daniele Giordan

Dr. Daniele Giordan holds MSc and PhD in Earth Science at the University of Torino studying deep-seated gravitational slope deformations, landslides monitoring systems, and early warning procedures. He started to work at the Research Institute for Geo-Hydrological Protection of the Italian National Research Council in 2004, and he became a scientific researcher in 2009. Scientific coordinator of Geohazard Monitoring Group since 2015, he works in particular on the development of new methodologies and systems for geo-hydrological processes monitoring. Since 2017, Chairman of the Commission C35 "monitoring methods and approaches in engineering geology applications" of the IAEG. In 2019, elected President of the IAEG Italian National Group. Editor of several books and special issues focused on natural hazards and engineering geology topics and co-author of more than 60 international papers and book chapters.

Stratis Karantanellis

Mr. Stratis Karantanellis is currently a PhD researcher in the Department of Geological Sciences in Aristotle University of Thessaloniki, Greece. His PhD research is focusing on landslide detection and characterization using Unmanned Aerial Vehicles and Object-Based Image Analysis techniques. He obtains a MSc in Natural Hazards and Disaster Risk Management with GIS and Remote Sensing methods from ITC Faculty of Geo-information Science and Earth Observation, University of Twente, The Netherlands. He has been engaged in multiple national and international projects regarding landslides and natural hazard assessment. His main interest is on landslide detection, hazard and risk assessment, engineering geological and geotechnical investigations, remote sensing and computer vision. From 2018, he serves as a member of the Young Engineering Geologist (YEG) committee where he recently has been elected as Chair of YEG-IAEG.

Speakers of the 5th e-YEG Webinar Series



EVENTS OF NATIONAL GROUPS

ARGENTINA

Name of the national group: Asociación Argentina de Geología Aplicada a la Ingeniería - ASAGAI (IAEG National Group of Argentina).

Email address: asagai@asagai.org.ar

Current office holders

President: FABIO SERGIO LUNA

Vice President: JULIA LÖFFLER

Secretary: NORBERTO JORGE BEJERMAN

Treasurer: ALEJANDRO EMMANUEL CELLI

Nominal Member: CRISTIAN ELÍAS COCCHIARALE

Nominal Member: MARÍA VICTORIA ALTINIER

Nominal Member: RUBÉN ALVARO LÓPEZ

Number of members with Bulletin: 24

Activities

- Publication of the Journal of Geology Applied to Engineering and the Environment, N° 44.
- Cycle of Conferences organized by Young Professionals Group. Chairpersons Mirian G. Viqueira and Cristian Cocchiarale.
- Publication of the Journal of Geology Applied to Engineering and the Environment, N° 45.

BANGLADESH

In this critical pandemic Covid 19 Corona time, IAEG_ Bangladesh National Group organized series of online webinar talk by inviting speakers from different countries including Bangladesh, India and Nepal in Oct, Nov. and Dec. 2020. Hydro-geologist Prof. Dr. Muhammad-Qumrul Hassan, Professor, Department of Geology, University of Dhaka presented a talk on "Urban Water Logging & Evaluation of It's Present Drainage System For Sustainable Dhaka". He highlighted the importance of drainage system for sustainable Dhaka.

In Nov. 2020 Civil Engineer Prof. Dr. Giri Prasad from Department of Civil Engineering, New horizon College of Engineering, Bangalore, India presented a talk on "Influence of pore water pressure on foundation soil-A review"

On the 26th Dec, 2020 Prof. Dr. Ranjan Kumar Dahal, Central Department of Geology, Tribhuban University, Nepal presented another webinar talk on "Disaster mitigation mindset of local people of Far-western Nepal for landslide and thunderstorm disasters". Dr. Dahal highlighted the importance of disaster mitigation mindset of local people of Nepal. All the webinar events had started with the welcome speech of IAEG_Bangladesh National Group President Prof. Dr. A.T.M. Shakhawat Hossain (as session chair). Participants, including geoscientists from different National and international organizations, academics, engineers and geoscience students and graduates were attended this webinar meetings.

Department of Civil Engineering, New Horizon College of Engineering (Indian Geotechnical Society Chapter), Bangalore, India also invited IAEG_Bangladesh National Group founding President Prof. Dr. ATM Shakhawat Hossain to present a webinar talk on "Climate Variability & Rainfall Induced Landslide Hazards of Bangladesh". Many participants from India and Bangladesh attended this informative talk on rainfall induced landslide hazards of Bangladesh and the speaker shared his experience with Indian colleagues and highlighted the importance of geo-engineering education in managing hazards and disasters in south Asian countries.

Greetings from IAEG Bangladesh National Group. "IAEG_Bangladesh National Group" & "Jahangirnagar University" have the pleasure to invite all honorable IAEG members to join with us in our forthcoming 1st GECCSD 2022 Conference, Dhaka, Bangladesh in March 2022. Our online registration will start soon. Please register to attend IAEG_BNG event 2022 using the link: <https://iaegbng.com/iaeg>.



1ST GEO-ENGINEERING, CLIMATE CHANGE & SUSTAINABLE DEVELOPMENT CONFERENCE, BANGLADESH.

1ST GECCSD-2022
(12 MARCH-14 MARCH, 2022)

The First Underground Tunnel of Bangladesh
Karnaphuli Tunnel

Rooppur Nuclear Power Plant (RNPP)

Location: Rooppur, Pabna district.
Capacity: 2400 MW (2 units, 1200 MW each).
Contracted by: State Atomic Energy Corporation, Rosatom, Russia.

For Registration & all Enquiries
<https://iaegbng.com/iaeg/technical/register>
Contact Email: iaegbng@gmail.com
For Abstract Submission: Email: iaegbngabstract@gmail.com
Selected Papers will be published in high impact IOSR Journal.

Organized By:
IAEG BANGLADESH NATIONAL GROUP (ESTD. 26 NOV., 2017)
JAHANGIRNAGAR UNIVERSITY, DHAKA, BANGLADESH
IN COLLABORATION WITH
KAGAWA UNIVERSITY, JAPAN & OTHERS

Brazil

Communication

ABGE keeps its members updated on general issues related to Engineering Geology by an e-mail informative, called INFOMAIL. ABGE also keeps a homepage www.abge.org.br and Facebook as well WhatsApp accounts that are updated daily. ABGE improved the live broadcast of its major events and of its partners.

In 2020, ABGE also created a company page in LinkedIn, to keep its associated updated.

There is permanent exchange of publications with U.S. Geological Survey and National Library (Brazil) and sponsorship of several meetings, lectures and events.

ABGE Events

ABGE promoted and/or organized several events in 2019 and 2020. Due to the pandemic, after a lack of activities between March and August, several online lives and workshops were carried out. The results are surprising and indicate that some events will continue online, as they allow a broader audience and therefore better dissemination of engineering geology. During this period, ABGE has organized the following activities:

2019

- Landslide Risk Management In Precarious Settlements Workshop, January/2019
- Mining Tailings Dam Workshop, March/2020
- Lecture: History Of Mining Tailings Dams And Their Situation In The State Of São Paulo, April 2019
- Institutional Event. Presentation Of The New Board Of The Regional Group Of Rio De Janeiro And Espírito Santo, April/2019
- Geophysics Workshop , September/2019
- Lecture: Can Geological Sciences Contribute To The Construction Of Sustainable Cities?, September/2019
- Lecture: The Use Of Discrete Fracture Networks, September/2019
- Lecture: Geotechnical Investigations: Types Of Drilling And Recurring Problems, September/2019
- Commemorative Ceremony. Centenary Of The Geology Course In Engineering At Lecture: The Engineering Geology Applied To Dam Foundations – Tribute To The 85 Years Of Professor Paulo Cruz, October 2019
- Abge Confraternization: Lecture - Evolution Of The Universe. The Big Bang, December/2019

2020

BOOK RELEASE: APPLIED STRUCTURAL GEOLOGY, FEBRUARY/2020

ROUND TABLES AND WORKSHOPS: once online round tables and workshops were released, 2020 became plenty of activities; some of them are summarized as follow.



Past, present and future: perspectives for the career of male and female geologists in the post pandemic scenario, May/2020

Natural disaster prevention, December/2020

Geotechnologies for hazards and risk mapping, December/2020

WORKSHOP ONLINE Engineering Geology and the Environment – organized by Regional Group of Rio de Janeiro and Espírito Santo of ABGE and SBG (Brazilian Society of Geology). Every Tuesday from June, 16 to July 21st .

COURSES

2019 (PRESENTIAL)

- Drilling sampling classification, São Paulo, April/2019, august/2019 and November/2019
- Engineering geology and dam safety, São Paulo, June/2019
- Environmental geotechnics in degraded areas), São Paulo, August/2019
- Geo-environmental investigations, São Paulo, October/2019

2020 (ONLINE)

- Geo-environmental investigations, October/2020
- Autocad for engineering geology and the environment, November/2020

YOUTH ABGE (ABGE JOVEM)

Youth Committee of the Brazilian Association of Engineering and Environmental Geology, entitled

ABGE JOVEM, was created in 2020, with the aim of promoting greater interaction between students and young professionals (under 40) with the association. To register, under 40 engineering geologists have to complete the registration in <https://www.abge.org.br/abgejovem>. At this time, it is not necessary to be a member of ABGE or to pay any annual fee. It is already a great success, having more than 100 participants, and has organized several chats on engineering geology subjects related to beginners or interested people.



Round table: New framework of sanitation regulatory



Round table: Safety and accidents of dams



Round table: Geological challenges for investigations of contaminated areas



Round table: Review of the ABNT standard 6484(drilling sampling). What has changed?

CHINA

1. 11th National Congress of Engineering Geology of China, Wuhan, China

From October 16 to 18, 2020, the 11th National Congress of Engineering Geology of China, hosted by the Chinese Geological Society, organized by the Engineering Geology Committee of the Chinese Geological Society and China University of Geosciences (Wuhan), and co-organized by 54 institutions including the National Natural Science Foundation of China, was held in East Lake Hotel, Wuhan, China. Focusing on "Engineering Geology and Livable Earth", the Congress proposed several topics on engineering geology, global change and engineering geology, prevention and control of geological disasters, rock and soil structure and engineering geological characteristics, engineering geological problems in ocean, transportation, urban and environmental protection in major engineering construction, engineering geology and toughness engineering construction, artificial intelligence of engineering geology, big data and cloud computing, new theory - new method and new technology of engineering geology, education and discipline development of engineering geology. There were 3 plenary lectures, 20 keynote lectures and 17 invited lectures in this Congress. The progress and achievements of engineering geology in recent years were comprehensively reviewed, and the future development prospects are outlined. Through the research and discussion of 12 topics on

engineering geology, suggestions were made for major projects and livable earth construction in China. In order to implement the requirements of epidemic prevention, the Congress was organized by online live broadcast and offline meetings, with about 340 offline participants and 200000 online live viewers.



Opening ceremony

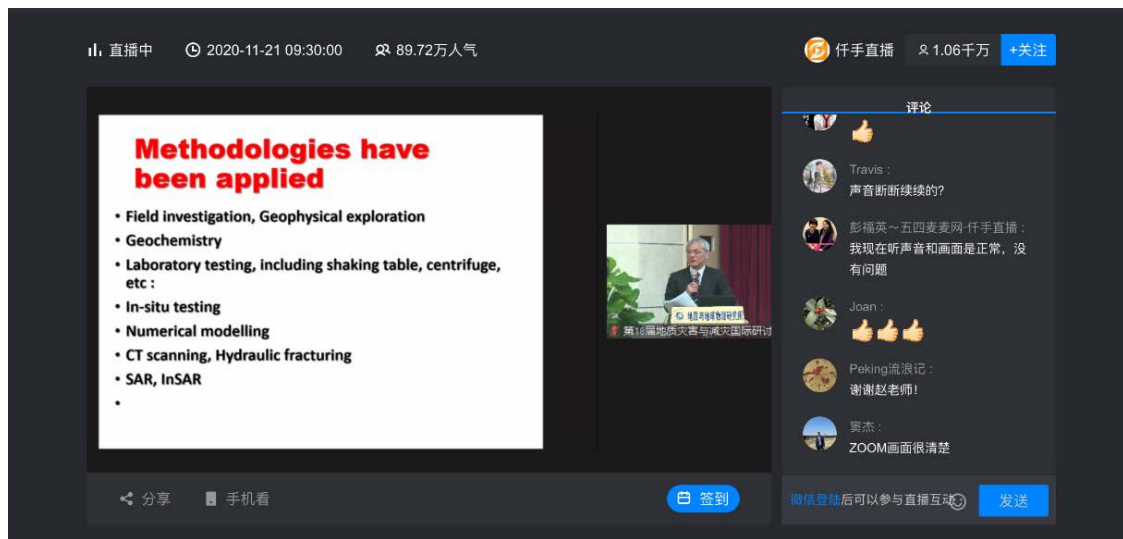
2. 18th International Symposium on Geo-disaster Reduction & 4th Gu Dezhen Lecture, Beijing, China

From November 20 to November 22, 2020, the 18th International Symposium on Geo-disaster Reduction & 4th Gu Dezhen Lecture was held in the Institute of Geology and Geophysics, Chinese Academy of Sciences. The theme of the conference is improving the relationship between Geoenvironment and Society. The conference was jointly held by the International Consortium on Geo-disaster Reduction (ICGdR), the Engineering Geology Committee of the Chinese Geological Society, the Key Laboratory of Shale Gas and Geological Engineering Academy of the Chinese Academy of Sciences and Tongji University. Due to the epidemic situation, the conference will be organized in the way of "online + offline". Experts from 9 countries participated in the conference online. Online live broadcast was open to participants around the world for free, and the accumulative total number of online participants reached 899000.



Group photo

Prof. Peng Jianbing, Academician of the Chinese Academy of Sciences, as Speaker of the 4th Gu Dezhen Lecture, made a report on "Research on the large deformation of the loose layer: feelings and gratitude for 40 years of scientific research". There were 28 lecturers from 9 countries, such as the United States, the United Kingdom and Japan, addressing excellent reports.



Online live broadcast

3. The Lecture of China's Software in Geotechnical Engineering

The series lectures of Shaoxing International Forum of Rock Mechanics and Engineering Geology---The Lecture of China's Software in Geotechnical Engineering was successfully held on December 23, 2020 in Shaoxing, China. This is a high level lecture sponsored by Shaoxing University and organized by Prof. Faquan WU, the Secretary General of the IAEG and the chairman of China's National Group. More than 100 special guests attended this lecture, including SG of IAEG Prof. Faquan Wu, IAEG vice president Huiming Tang, ISRM vice president Qiang Yang and many top scientists, experts and scholars.



Opening Ceremony

This lecture aimed to build a diversified platform for new theory, new technology in the field of geotechnical engineering, in order to exchange or discuss some outstanding innovation achievements and promote their applications. In this series of lectures, 10 software R&D personnel with independent intellectual property rights proficient in the field of geotechnical engineering in China were invited to exchange their research results, and 8 top famous experts and scholars in the field of rock mechanics and engineering geology were specially invited to comment on their academic achievements. The research achievements cover geological disaster prevention, survey, testing, monitoring, early warning and emergency treatment technology.



Prof. Faquan WU (IAEG Secretary General) commenting



Prof. Qiang Yang (ISRM vice president) commenting



Prof. Huiming Tang (IAEG vice president) commenting

This lecture provided an academic feast for the majority of scientific and technological workers in the field of geotechnical engineering, and made a positive contribution to further promote the technological innovation of China's software and realize the ecological construction and development of China's software.



Overall view of the lecture



Group Photo

CHINESE TAIPEI

Preliminary investigation report of Taiwan Railway Houtong landslide

Recently, a landslide event has attracted the public concern in Taiwan. The Taiwan Railways

Administration (TRA) line in northern Taiwan was damaged by a landslide (Houtong landslide) on Dec. 4. The landslide nearly hit a train and caused massive service disruption for nine days that affected approximately 300,000 passengers. The event set the longest traffic disruption record in TRA history. To quickly realize the history and failure mechanism of the landslide, this news shares the results of the preliminary investigation with IAEG members.

Soon after the landslide event, a research team, composed of Sinotech Engineering Consultants, Inc., National Chiao Tung University, National Taipei University of Technology, National United University, and National Taiwan University, conducted a geological investigation and tried to figure out the failure mechanism of the landslide. A preliminary investigation report (GeoPORT) was accordingly issued on Dec. 9.

According to the report, due to the long-term rainfall in the region, a prior rockfall event occurred on Nov. 30 so that the TRA strengthened its track monitoring system. The main landslide event, consisted of rock blocks, and debris, occurred around 8:30 a.m. Dec. 4, and buried a section (~40 m) of track (Fig.1). Integrating the data of aerial survey (UAS), 3D terrain model, and micro-topography interpretation (LiDAR DTM), the area and volume of the landslide are approximately 4,000 square meters, and 15,000 cubic meters, respectively. The geology of the landslide site belongs to Taliao formation (interbedded sandstone and shale), and it is located around the axis of the Houtong anticline, which plunges to the northeast. The dip direction of rock layer is oblique to the railway direction at a small angle. In addition, four joint sets were identified in the upper scarp. The rainfall record of Central Weather Bureau shows the accumulated rainfall and rainfall intensity in this main event were quite low ($R_{24hr} = 81.8 \text{ mm}$, $I_{3hr} = 11.9 \text{ mm/hr}$). However, the antecedent precipitation of the landslide lasted for dozens of days (~400 mm).

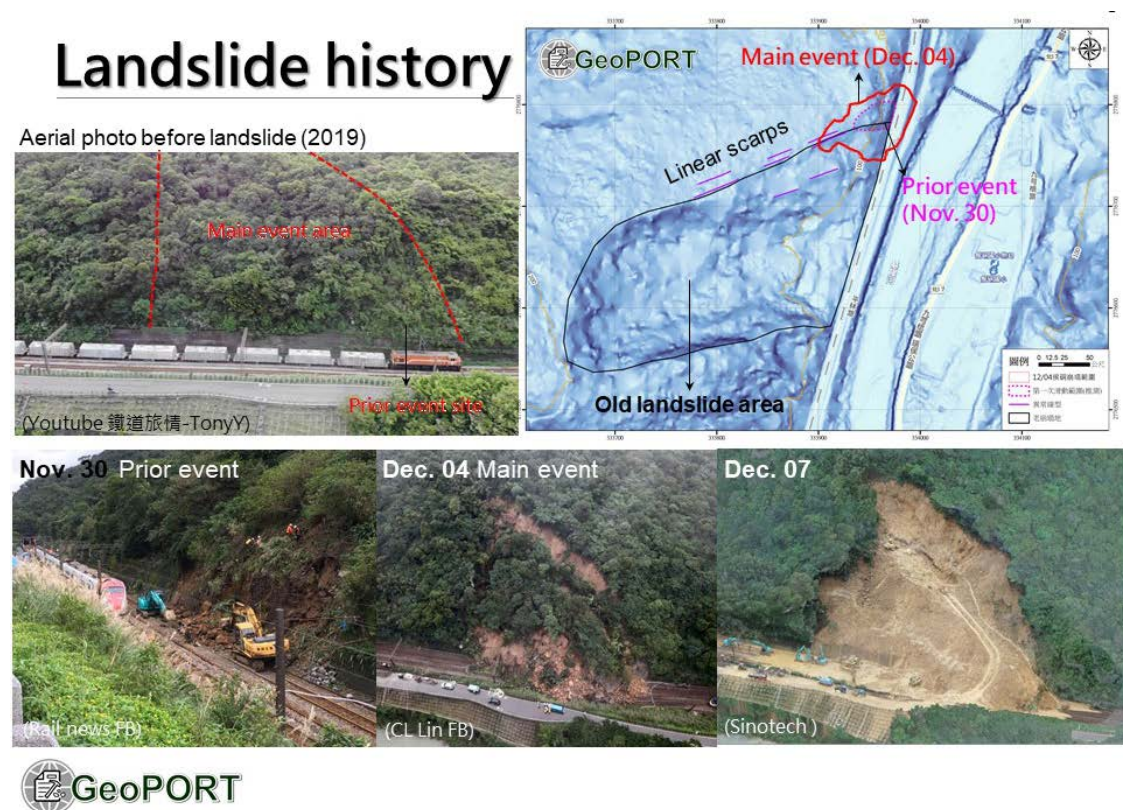


Fig. 1 Landslide history at Houtong region and railway interruption.

According to the field investigation and the collected data (Fig. 2), the triggering factors could be concluded as (1) Rainfall infiltration into the slope from the high dipping strike joint, caused the

water pressure raised on the slip plane. (2) Rock mass was weakened by long-term soaking in water, especially in the siltstone and shale layer. The failure mechanism of the landslide could be regarded as planar sliding along the bedding plane (Fig. 3).

For details, please refer to the preliminary survey data of the team (<https://drive.google.com/file/d/1cGcfxCdi8VRSRMjoyla9B6hqJMSKm4xbX/view?usp=sharing>).



Fig. 2 Field investigation at Houtong landslide

Failure mechanism

Rainfall-induced planar sliding

- **Lithology:** Taliao Formation (SS)
- **Bedding orientation:** 073/13E (DD/D)
- **Slope aspect:** 105/28E (DD/D) (based on 2014 LIDAR DEM)
- **Triggering factors:**
 1. Rainfall infiltration into the slope from the high dipping strike joint (J4), caused the water pressure raised on the slip plane.
 2. Rock mass was weakened by long-term soaking in water, especially in siltstone and shale layer. (refer to p.13)

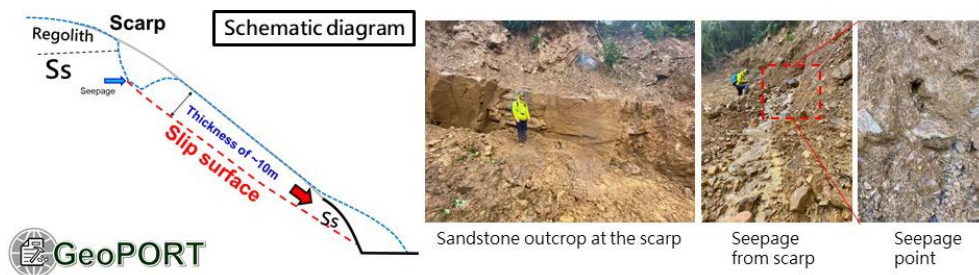
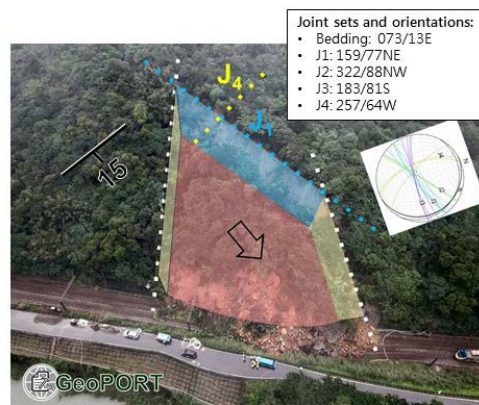


Fig. 3 Failure mechanism of Houtong landslide

COLUMBIA

Due to the influence of COVIE-19, Columbian Geotechnical Society carried out/participated in a series of virtual activities in 2020, as summarized below:

a) During 2020 the main SCG activities were related to the 13th International Symposium on Landslides (XIII ISL), which was originally scheduled as a live event on June 2020, but due to the world pandemic it has been rescheduled as a virtual event that will take place from February 22nd to 26th, 2021, with the support of JTC1, ISSMGE, ISRM, IAEG and FedIGS.

The virtual event includes the presentation of eleven illustrious Keynote speakers, who have reaffirmed their support, and the on-line participation of most of the authors of the 115 articles presented by colleagues from more than 30 countries around the world. (<http://www.scg.org.co/xiii-isl/>).

b) Appointment by Colombia of two representatives to the IAEG Youth Committee (YEG IAEG Committee), namely, Víctor Hugo Restrepo-Botero and Oscar E. Forero-Ospino.

c) Presentation of fifteen (15) articles to the 20ICSMGE of the ISSMGE that was going to be held in Sydney in 2021 and which has been postponed to 2022, of which, nine (9) articles were accepted.

d) Participation of the COLOMBIAN GEOTECHNICAL SOCIETY -SCG in the ISRM Council, virtual event on October 28, 2020, with the assistance of Prof. Mario Camilo Torres and Prof. Álvaro Jaime González-García.

e) Participation of the COLOMBIAN GEOTECHNICAL SOCIETY-SCG in the Virtual Technical Lectures: "Let's talk about Geomechanics" between September 24th and October 16th, 2020, promoted by the Bolivian Geomechanics Association (BAG) under the auspices of the ISRM, with the online lecture "Falla y Reparación en 1997 de los Túneles de Chingaza del Acueducto de Bogotá, Colombia" (Failure and Repair in 1997 of the Chingaza Tunnels of the Water Supply System for Bogota, Colombia"), by Prof. Alvaro J. González-García.

f) Support for the 9th International Symposium in Geomechanics (Specialized Conference of the ISRM) that will be held virtually from May 3rd to 6th, 2021, in Medellín, Colombia.

COSTA RICA

It is the first year for Costa Rica to take activities as a national group. We are looking forward to growing and improving through the following years. We will certainly be grateful for receiving any suggestions and support from IAEG and all of its members.

September 15, 2020 COCIGA's first formal meeting and constitution

1. Definition of the objectives, topics and reaches of the COCIGA Committee. *The objectives and reaches will be essentially those of IAEG but within the Costa Rican national context.*

2. Discussion about the ways and methods to initiate promotional meetings, exchanges, webinars and other online activities of the Committee.

3. Discussion about the formulation and creation of social media for broadcasting and promoting the Committee on platforms such as Facebook, Instagram and others.

4. Creation of the Young Engineering Geologist (YEG) Sub-committee for COCIGA.

- Geol. Randall Alonso Carballo Benavides, appointed as a national representative for YEG.

October 6, 2020 Second Meeting of 2020

1. Discussion on the contents, duration and possible invited speakers for our first webinar.

2. Discussion on the participation of COCIGA as an advisor on the reclamation processes of a limestone open pit quarry, aiming at transform it into a geopark, with educational and geo-tourist purposes.

3. Definition of contents of social media publications and suggested dates for the start of our Facebook and Instagram sites.

October 9, 2020 1. Creation of the social media sites and first publications

- Facebook: <https://www.facebook.com/COCIGA2020>
- Instagram: <https://www.instagram.com/cocigacr/>

We will appreciate if these links are published and spread at the IAEG Newsletter, with an invitation to all of our international colleagues to visit them. We will also be thankful to those colleagues sending us suggestions and contributions to improve and promote our sites.

October 9, 2020 to present

Several primer publications with educational contents have been made on our social media, regarding basic topics such as soil mechanics, slope instability, weathering processes.

INDIA

The Indian Society of Engineering Geology (ISEG), started the New Year with a new executive council taking charge in January, 2020. The annual general meeting of the council was held on Jan 11, 2020, wherein the outgoing executive council handed over the charge of the affairs of the ISEG to the newly elected body. This was attended by more than 40 members of ISEG from various organizations. The newly elected secretary, ISEG, Sh. S.L. Kapil, presented a talk on the topic: ***"Application of Advanced Technologies for Optimization of Geotechnical Investigations in Hydro/Infra Projects"***. A calendar of activities was also discussed in the meeting.



Outgoing President- Prof. K.S. Rao, IIT-Delhi (Right) handing over the charge of President to Sh. A.K. Singh, CMD, NHPC (Centre)

The second meeting of the ISEG council was held on 18th April 2020. This was held over the online platform zoom as there was complete lockdown prevailing in the country. This meeting was attended by all the executive council members and some few patrons of the society. In this meeting, the dates of various activities of ISEG were deliberated in light of the Corona Pandemic.

The third meeting of the ISEG Council was held on 30.08.2020 on the zoom platform due to COVID-19 pandemic. In the meeting it was agreed that the planned activities of ISEG like "Geotechnical Orientation Program for young geologists/geophysicists/ engineers" which involved field work could not be organized till the situation normalizes. As such, it was decided to organize online webinar series from eminent personalities in the field from time to time. Accordingly, ISEG knowledge sharing webinar series has been started.

The first ISEG webinar series was organized on Sept 26, 2020, in which two lectures were organized through the Microsoft Teams Platform. The first lecture was presented on the topic: *"I-System - Index of Ground Structure; A Comprehensive Indexing System for Ground-Structure Behaviour"* by Dr. Bineshian Hoss, Consultancy Head of Amberg and the second lecture was delivered by Sh. Hari Dev,

Scientist E, Central Soil and Material Research Station, New Delhi on the topic: “*Rock and Rockmass Characterization – Applications and Importance in Hydropower Projects*”. These lectures were attended by more than 125 participants.



Group Photograph after Annual General Meeting of ISEG, held at the NHPC Office Complex, on 11th Jan '2020

Thus, the Society kept on moving towards its goal in dissemination of knowledge despite restrictions posed due to the COVID-19 Pandemic. During the year Society got 01 new Institutional Member and 30 life members making the overall strength of ISEG to 1553 members. We were also able to manage 79 subscriptions to the IAEG which includes 37 members with bulletin and 42 members without bulletin.

The Progress of “Editorial Works” during the year 2020 has been summarized below:

1.Journal of Engineering Geology:

- (i) Journal of Engineering Geology, Vol. 42 Nos. 1 & 2 has been published online during February 2020 and uploaded on ISEG Journal website. This issue contains 29 nos. technical papers presented. From this issue onwards the Journal has become fully digital.
- (ii) Journal of Engineering Geology, Vol. 43 Nos. 1 & 2 (June & Dec' 2018) has been published online on 30th April 2020. This volume contains 16 nos. peer reviewed papers.
- (iii) Journal of Engineering Geology, Vol. 44 Nos. 1 & 2 (June & Dec' 2019) has been published online on 26th Nov 2020. This issue contains 06 remaining peer reviewed papers and 04 others research papers submitted directly to the journal. All technical papers published in this issue were peer reviewed.

All technical papers published in the above volumes were peer reviewed. Now the journal can be accessed through ISEG website: <http://www.isegindia.org> by clicking on tab “ISEG Journal” given on its homepage. It can also be accessed directly on Journal of Engineering Geology website: <http://www.joegindia.com/index.html>.

2.ISEG Newsletter:

Timely release of the society's E-newsletter “ISEG NEWS” April 2020 (Vol. 16, No 1) issue has been accomplished. The newsletter has been mailed to all life members of the society and successfully uploaded on ISEG websites at <http://www.joegindia.com/pdf/APRIL-2020.pdf> and <http://isegindia.org/pdfs/ISEGNEWS-APRIL2020.pdf>.

With the encouragement and cooperation of the esteemed members of the ISEG, the editorial team has taken consistent efforts to publish backlog and current volumes of the journal and newsletter in spite of Covid-19 pandemic and nationwide lockdown.

We wish to get similar support from all our members in the coming year too. Let's endeavor together to make the ISEG a more vibrant body!

JAPAN

2020 Kyoto Declaration Launching of Kyoto Landslide Commitment 2020

Landslide disasters are the result of hazardous movement of soils and rocks which claim human lives and destroy natural/cultural heritages, and facilities of high societal values. Landslides are triggered by rainfalls, earthquakes, anthropogenic activities, hydrological impact by changing climate and global warming. Progress of urbanization and regional development continue to intensify the risk of landslides in many landslide prone areas. Landslide disaster risk reduction is a globally important objective in all countries/regions where people living near mountains and on slopes are exposed to landslides.

The International Consortium on Landslides (ICL) proposed the 'ISDR-ICL Sendai Partnerships 2015-2025 for Global Promotion of Understanding and Reducing Landslide Disaster Risk' during the 3rd World Conference on Disaster Risk Reduction (WCDRR) in Sendai, Japan, 2015. The Sendai Landslide Partnerships 2015-2025 was signed by 22 United Nations, global and national stakeholders. Tangible results and benefits of activities carried out by these stakeholders in 2015-2020 are featured in journal and book publications as well as conference proceedings. In Ljubljana in 2017, the partners agreed to expand the global partnerships to 2030 and beyond. Subsequently, the "Kyoto 2020 Commitment for Global Promotion of Understanding and Reducing Landslide Disaster Risk" KLC2020 was decided and developed. In Paris, in 2019, the Commitment was signed by a first group of 57 participants.

On 5 November 2020, at the online/virtual 2020 Kyoto meeting, all participants from 90 signatory organizations unanimously agreed on, and declared the launching of the Kyoto Landslide Commitment 2020. They also agreed to the following basic principles for the management of KLC2020:

Principles for the management of KLC2020

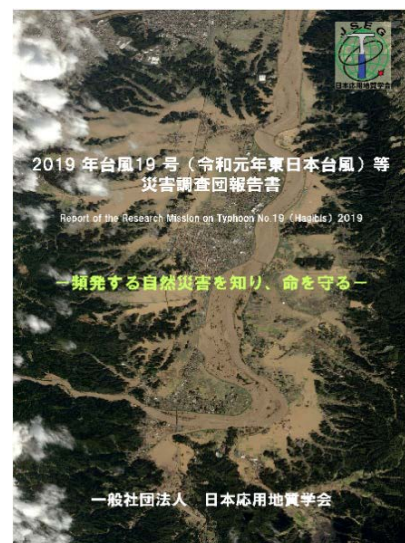
1. A Secretariat for the KLC2020 is established within ICL Secretariat, Kyoto, Japan.
2. The composition of fellow partners of KLC2020 and the priority actions are reviewed and updated at the General Conference of KLC2020 signatory organizations at the triennial World Landslide Forum.
3. The co-chairs of the General Conference of KLC2020 are nominated at a KLC2020 session prior to the coming General Conference.

Best poster award winning presentation

Published of the report of Typhoon No. 19 in 2019 disaster, in October

The table below summarizes the natural disasters that have affected Japan in the last 10 years. We have been affected by eight natural disasters in last 10 years and sent disaster investigation team for 7 disasters. The total rainfall of Typhoon No. 19 for four days exceeded 1000 mm. Due to the heavy rain, floods and landslides occurred at extremely wide area. As a result, 90 people were killed, 9 people were missing, 4,008 buildings were completely destroyed, and 70,341 houses were inundated, causing extensive damage.

JSEG established the "Typhoon No. 19 in 2019 Disaster Investigation Team" by 35 members. The investigation result was compiled as a report namely "Report of the Research Mission on Typhoon No.19 Hagibis 2019". This report consists of outline of disasters, slope disaster investigation, flood disaster investigation, behavior of affected people, proposals and issues for disaster mitigation and conclusion.



2020 JSEG Annual Meeting

JSEG (Japan Society of Engineering Geology) held 2020 Annual Meeting on October 1st and 2nd. Annual Meeting is a good opportunity to obtain latest knowledge and deepen friendship for JSEG members, so that we have had face to face meeting every year, however due to the spread of the

COVID-19 infection, we organized it through online. 217 members participated, and 65 oral and 46 poster presentations were performed. Despite being held online, there were about the same number of announcements as last year. As a special lecture, "Latest findings on Nankai Trough earthquake" was given by Dr. Yamaoka, a professor of Nagoya University. As a special session, the Typhoon No.

19 in 2019 disaster investigation team reports were also held and 19 presentations were presented. This was the first attempt to hold an annual meeting online, however the communication among the participants would be very smooth.



Recent Geo. Disaster in Japan and Investigation by JSEG

Month Year	Name and feature of the Disaster	Death Missing	Meeting date and venue of the report
Mar. 2011	East Japan Great Earthquake Disaster M.9.0, Over 10m high Tsunami, in the Pacific coast area of North East Japan. It caused Fukushima No.1 nuclear power plants to occur terrible accident.	About 22,000	
Aug. 2014	2014 Hiroshima Debris Flow Disaster Over 200mm/2hours downfall by linear rainfall belt. Many debris flow hit the houses built on mountain foot area, near the City	74	Feb. 2015, Reported at Hiroshima City. About 100 peoples participated.
Apr. 2016	Kumamoto Earthquake Disaster The magnitude 7.3 occurred on midnight in Kumamoto City of Kyusyu, southwest of Japan. Continuous seven times terrible shocks attacked in three days.	269	Apr. 2017, Reported at Kumamoto City, Kyusyu. About 200 peoples participated
June 2017	2017 Northern Kyushu Downfall Disaster Heavy rainfall of about 130mm/1 hour, or 280mm/3hours, linear rainfall belt along the energetic seasonable front. About 300 landslides occurred in narrow area.	44	Apr. 2018, Reported at Asakura, Fukuoka About 200 peoples participated.
Jul. 2018	2018 West Japan Downfall Disaster Maximum rainfall of 1,800mm/4days, linear rainfall belt along the energetic seasonable front after passing over the typhoon.	245	June 2019, Reported at Okayama City, About 150 peoples participated.
Sep. 2018	East Iburi Earthquake Disaster Middle area of Hokkaido, northern Japan M.6.7. Extremely many shallow landslides of volcanic ash layers, and rock landslides.	43	Sep. 2019, Reported at Sapporo City Over 200 peoples participated.

Oct. 2019	Typhoon No.19 (Hagibis) Disaster Max. rainfall of 1,000mm/4days, and 500 to 700mm/4days in wide area of the Central to North-East Japan.	99	Report printed, Oct. 2020 Meeting will be held on Janu. 2021
Jul. 2020	2020 Kyusyu Downfall Disaster Maximum rainfall of 100mm/1h., or 450 to 500mm/1day, Large linear rainfall belt along the energetic seasonable front.	86	Under Investigating

NEPAL

International Association for Engineering Geology and the Environment (IAEG): Summary Report

by

Nepal Geological Society

Kathmandu, Nepal

The Nepal Geological Society (NGS) is National Group Member of International Association for Engineering Geology and the Environment IAEG since 2 decades and a number of regional and international symposiums, conferences and workshops in the past that included the IAEG international symposium on ‘Engineering Geology, Hydrogeology and Natural Disaster’ in 1999 and the Fifth Asian Regional Conference on ‘Engineering Geology for Major Infrastructure Development and Natural Hazards Mitigation’ in 2005. The NGS along with its partner organizations in Nepal had successfully organized the 11th IAEG Asian Regional Conference (ARC-11) in Kathmandu, Nepal on 28-30 November 2017. NGS is always in fore-front to provide the platforms for scientists from all the continents to present research findings and exchange professional experiences and views on various aspects of geosciences. The Year 2020 remained very chaotic in terms of activities due to COVID-19 Pandemics. The IAEG activities of NGS in 2020 includes the publication of NGS Bulletin (Volume 37) that had covered the News of participation in 12th ARC, Regional Conference of IAEG which was held in Jeju, South Korea. The 12th ARC was participated by President Mr. Ram Prasad Ghimire, Past President Dr. Danda Pani Adhikari and Dr. Kabi Raj Paudyal, National Group Coordinator Dr. Prem Bahadur Thapa, Member Dr. Krishna Devkota and other NGS members. The NGS had organized some special meetings and talk with senior members and past presidents regarding the role of NGS in IAEG National Group. Other planned activities of 2020 have been rescheduled in 2021 which can be interaction or talk programs, field visits etc. of engineering geological practices for university students or national group members.

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BULLETIN
OF
NEPAL GEOLOGICAL SOCIETY

NEPAL GEOLOGICAL SOCIETY

(EST. 1980)

PO Box 231, Kathmandu, Nepal

Email: info@ngs.org.np

Website: <http://www.ngs.org.np>

NGS NEWS

Webinar Presentation was given by President of Nepal Geological Society, Mr. Ram Prasad Ghimire on the topic "Mining and Quarrying: Potential Sector in Reviving Nepal's Economy after Covid-19" in collaboration with AIT Alumni Association Nepal. There were more than 120 active participation in webinar and about 250 were in Facebook live on Jestha 03, 2077 (May 16, 2020). The session was chaired by Dr. Jagdiswarnath Pokhrel, Former Vice President of National Planning Commission and commentator was Mr. Krishna Gyawali, Former Secretary of GoN.

On 18th July 2020, NGS has organized a webinar on the topic Road Map to Sustainable Development of geo-science based ventures, projects and programs. The presentation was given by former president of NGS Dr. Ramesh Man Tuladhar. The session was chaired by Dr. Amod Mani Dixit, coordinator of Scientific Sub Committee. There were more than 75 participants and the program was lived in Facebook.

On 15th August 2020, NGS has organized a webinar on the topic Challenges of Landslide disasters to Development of Nepal and their mitigations by Mr. Shanmukhesh Chandra Amatya. The session was chaired by Dr. Amod Mani Dixit, coordinator of Scientific Sub Committee. There were more than 75 participants and the program was lived in Facebook.

Participations in 12th ARC Regional Conference

Nepal Geological Society has organized some special meetings and talk with senior members and Past President of NGS regarding the role of NGS in IAEG National Group. The meeting has decided to participate in 12th ARC Regional Conference that was held in South Korea in October 2019. President Mr. Ram Prasad Ghimire, Past President Dr. Danda Pani Adhikari and Dr. Kabi Raj Paudyal, Coordinator of National Group Dr. Prem Bahadur Thapa and other members of Society participate in the program. Presently there are 175 nepali members in the IAEG National Group.

Interaction with NAST and Professional Societies

Nepal Geological Society (NGS) has participated in the interaction program with Vice Chancellor and members of NAST and different professional scientific society in NAST Hall. The meeting was so fruitful and discussed about the common problems of professional societies, programs conducted by societies and what societies can do in collaboration with NAST for betterment of the country and development of Science and Technology. About 40 persons from about 20 different societies take part in meeting. President, Vice president and General Secretary attend the meeting from Nepal Geological Society.

Interaction with Ministry of Education, Science and Technology and Professional Societies

Nepal Geological Society (NGS) has participated in the interaction program with Secretary of Ministry of Education, Science and Technology and different professional scientific society in Ministry Hall in 2077-03-30. The meeting was so fruitful and discussed about the Journal Publication, quality of Journal published by scientific societies. The program was chaired by secretary of Ministry of Education, Science and Technology Dr. Sanjaya Sharma. He had talk about development of Science and Technology and its improvement for betterment of the country through quality journal publications. About 20 persons from about 6 different scientific societies take part in meeting. President and General Secretary attend the meeting from Nepal Geological Society.

Participation of NGS in various programs of Partner Organization

Society of Consulting Architectural and Engineering Firms, Nepal (SCAEF) has organized the Third International Conference on "Resilient Infrastructure for a Better Tomorrow" and SCAEF 29th Anniversary Celebration in between 18-20 November, 2019 at Hotel Radisson. As a Knowledge partner of Program, Mr. Ram Prasad Ghimire, President and Mr. Narayan Gopal Ghimire, Vice President NGS had represented the Nepal Geological Society in the conference.



A group of photograph of NGS members participated in 12-ARC of IAEG, Jeju (South Korea)

NIGERIA

The Nigeria National Group (NAEGE) held its 5th Annual International Conference in September with the theme “Environmental and Engineering geology as invaluable tool for infrastructural development” as well as hosted 6 Online Webinars thereafter with presenters, topics and dates as follows:

- (i) Professor A Y B, Anifowose, The Role Of Geoscientists In The Building And Construction Environment, (16 DEC., 2020)
- (ii) Prof. A.A Adepeluni: Shallow faults reactivation by hydraulic fracturing: links to possible tremors and safety of engineering structures and facilities in such regions (3 Dec. 2020)
- (iii) Dr. Malcomm Whitworth: Landslide monitoring and mapping using high resolution remote sensing and drone surveys. 18 Nov. 2020
- (iv) Prof. E. G Akpokodje: geosciences in post Covid-19 pandemic lockdown: Turning crisis into opportunity 24 July, 2020
- (v) Prof. T.K.S Abam: Soil characterization with the penetrometers: Data acquisition and interpretation. 24 June 2020
- (vi) Prof. Moshood N Tijani: Writing scientific research manuscripts and technical reports in geosciences 10 June, 2020

SOUTH KOREA

Activities during 2019-2020

(1) KSEG (Korean Society of Engineering Geology) National conference for 2019-2020

- The 2019 spring conference of KSEG was held in Chungbuk National University on April 4-5, 2019 with 105 participants and 72 papers. At the conference, Prof. Yong-Seok Seo was elected as the new president for KSEG (2019-2020).
- The 2020 fall conference of KSEG was held in Danyang on Nov. 16-17 2020 with 117 participants and 66 papers. This conference was held as an integrated conference between on-line and off-line participants. During the conference, the ceremony for 30 year anniversary of KSEG was offered. The keynote lecture was offered by Dr. Louis Wong (The university of Hong Kong) with the title of “Can rock be strengthened up heating?” and by Prof. Jia Jyun Dong (National Central University) about “Stress, fluid pressure, and fluid flow through rock mass: Aspects from rock mechanics”.



30 year Anniversary Ceremony



Fall conference of KSEG in 2020

Publications

- Four Issues (Vol. 29 No.1 to No.4) of KSEG were published with 40 papers in 2019.
- Four Issues (Vol. 30 No.1 to No.4) of KSEG were published with 45 papers in 2020.

“Journal of Engineering Geology” is now in Scopus List

- “Journal of Engineering Geology” of Korean National Group was accepted to be listed in the Scopus journal list on Oct. 25, 2020.
- Research papers and reviews from other national group members are welcome for submission at <http://www.engeojournal.org/>

Plans for 2021

- The on-line workshop titled “Statistical Data Analysis using R for Engineering Geologists” will be held on January 11 to February 11. The details of the workshop can be found at <http://conference.engeo.or.kr>
- The 2021 spring conference of KSEG will be held as an e-conference on April 8-9, 2021 with two invited lectures from the world famous international researchers.
- The 2021 fall conference of KSEG is planned with open option for both on-line and off-line depending to the COVID19 situation.

SWEDEN

2020 was a special year for everybody due to the Corona pandemic. However, SGF Section Rock continued to work with the strategy for the coming years. SGF, as an organization, is traditionally a strong contributor to continuing education within soil and contaminated areas and in the future, we plan for courses within rock engineering and hydrology as well. During the autumn of 2020 the SGF Section Rock launched a webinar series, which started with two webinars in November. We have planned for four webinars during the spring of 2021 of which the first is planned to January 29th .

During 2020 SGF Section Rock had several digital meetings with other associations in Sweden with their main interest and focus on rock engineering and geology questions.

Sweden is a small country with high impact from rock engineering challenges in the society and also has several associations focusing on rock issues. To avoid that we compete over members and focusing questions the continuous collaborative work between the different associations’ is highly important.

Last, but not least, the SGF, as parent organization, financed a project within the Section Rock. The project is designed to develop an instruction to geotechnical engineers, who in Sweden traditionally only work in soils, what challenges there are regarding rock engineering. The instruction is planned to be finished during the end of the summer 2021.

Main focus for 2021 is to continue or collaborative work, within the SGF organization as well as with other, external, rock associations.

USA

In late 2019, AEG conducted a search for a new management group. This has resulted in the selection of J&M Business Solutions, LLC, based in Brunswick, Ohio. J&M took over management of AEG in March 2020.

Sheri Maskow | Association Manager
Association of Environmental & Engineering Geologists
1.844.331.7867 or 330-578-4900

AEG Headquarters

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manager@aegweb.org

AEG's 2020 primary awards:

Honorary Members: John Peck and A. Keith Turner

Schuster Medal: Jerome DeGraff

Karl and Ruth Terzaghi Outstanding Mentor: Skip Watts

Richard H. Jahns Distinguished Lecturer: Cheryl Hapke, PhD

Claire P. Holdridge: "Encyclopedia of Engineering Geology", edited by Peter Bobrowsky and Brian Marker

Floyd T. Johnson Service: Gary Luce

Douglas R. Piteau Outstanding Young Member: Amanda Forsburg

Publication: "Analysis of Landslide Kinematics Using Multi-Temporal Unmanned Aerial Vehicle Imagery, La Honda, California" by Jordan A. Carey, Nicholas Pinter, Alexandra J. Pickering, Carol S. Prentice and Stephen B. DeLong.

Activities

The GSA 2020 annual meeting was held virtually due to the COVID-19 pandemic. GSA's 2021 annual meeting will be in Portland, Oregon (October 10-13).

AEG's 2020 annual meeting was held virtually, with over 480 attendees. AEG's 2021 annual meeting will be held in San Antonio, Texas, Sept. 18-26.

As in person meetings has been at a halt due to COVID-19, AEG has been working to provide one to two monthly webinars for continuing education and professional development on a number of technical and professional topics. The webinars are available to anyone, but AEG members are able to attend at no cost. Recordings of the webinars are archived and available on the AEG website.

AEG student chapters and "Technical Working Groups" remain active. Key faculty members are essential to the formation of these student chapters; no-cost student memberships also appear to be a significant encouragement.

The AEG Foundation [<http://www.aegfoundation.org>] administers twelve student scholarship funds and seven grant programs for professionals. For the 2019 fiscal year, the Foundation has been able to increase the number and amount of awards given to 35 grants and scholarships with a value of over \$50,000.

AEG conducts two activities with the EGD/GSA: the Richard H. Jahns Distinguished Lecture in Engineering Geology and co-publication of the Environmental and Engineering Geoscience Journal. Cheryl Hapke, PhD is the 2020-2021 Jahns Lecturer. The joint AEG/GSA journal Environmental and Engineering Geoscience is a quarterly publication of peer-reviewed articles and book reviews. Submissions are encouraged.

VIETNAM

1. Organizing the 4th National Congress of the Vietnam Association of Engineering Geology and Environment (VAEGE), the term 2020-2025 on 12/12/2020 with the participation of 200 member delegates nationwide. Contents of the meeting include:

- a. Summarize and evaluate the activities of the Association for the 2015-2020 term, decide the directions and tasks in the term 2020-2025;
- b. Elect the Executive Committee for a new term, including:
 - 99 members of the Executive Committee of the Association;
 - 34 members of the Standing Committee;

- 05 members of the Inspection Committee;
- Leadership of the Association includes: 01 Chairman, 08 Vice Chairmen **Assoc.Prof. Dr. Ta Duc Thinh** continues to be elected as the Chairman of the Association in the term 2020-2025

2. Honor and reward

- a. Giving Certificate of Merit from the Vietnam Union of Science and Technology Associations for 03 collectives, 07 individuals
- b. Giving Certificate of Merit from Vietnam Geological Association for 04 collectives, 04 individuals
- c. Giving Certificate of Merit from Vietnam Association of Engineering Geology and Environment for 06 collectives, 13 individuals
- d. Honoring 05 individuals of Vietnam Association of Engineering Geology and Environment for their contributions to the Association.

3. Scientific and technological activities

- a. Organizing a scientific seminar at the University of Transport on 12/12/2020 with the theme "Geological catastrophe of the Central region 2020" with the participation of more than 200 scientists and managers, businessmen in the field of engineering geology.
- b. Co-operating with Hanoi University of Mining and Geology in organization of the National Scientific Conference "Earth Science and Resources with Sustainable Development" ERSD 2020 on 12/11/2020 at the University of Mining and Geology

4. Education and training

Actively participate in postgraduate teaching activities, write textbooks. Participate in scientific research and technology transfer, participate in social criticism in the field of engineering geology - geotechnical.

Many members have participated in Scientific Council at State, ministerial and local levels to criticize and approve scientific research projects which related to engineering geological survey, treatment of soil ground, geological processes.



3rd EUROPEAN REGIONAL CONFERENCE

In view of the escalating challenges we all face as a result of the Coronavirus-COVID-19 pandemic and the need to safeguard the health and wellbeing of our exhibitors and visitors, we would like to inform you that the EUROENGEО 2020 will be postponed to **October 7-10, 2021**.



Dear Colleagues and friends,

The main goal of the organizing committee of the European Regional IAEG conference is to host an event with physical presence and face to face fruitful discussions.

Therefore, following the oncoming EU and Greek Ministry of Health recommendations regarding the organization of public events, we have decided to move the congress to mid fall, on October 7th to 10th, 2021.

We are optimistic that during the next few months, the situation regarding the epidemic will have improved; therefore, this will be the final change of date. In the unlikely situation of more epidemic restrictions, the event will be organized virtually.

The new deadline for full paper and/or new abstract submissions, is the 31st of March 2021. We remain excited to host you in a few months in Athens and please keep in mind that the latest information will always be available at www.euroengeo2020.org.

Please contact us for any queries at info@euroengeo2020.org. Be safe and we look forward to seeing you in October 2021.

Sincerely,

The Organizing Committee

Please refer to the link below for abstract Submission:

<https://www.eventora.com/en/Events/euroengeo2020/Submissions/CreateInitial/5a80aa84-0639-4017-bd4a-065a0940b7f2>

and click <http://euroengeo2020.org/registration/> for registration.

Important Dates:

March 31, 2021---Deadline for submission of abstracts

April 30, 2021---Notification of selection

June 30, 2021---Early Bird registration

October 7-10, 2021---Congress Date

07 MEETING INFORMATION

Dunedin, New Zealand, March 24-26, 2021

NZGS Symposium 2021 Good Grounds for the Future



The world is experiencing profound changes. These mark the dawning of a new era of pressing challenges that Geotechnical Engineering must deal with, internationally and in New Zealand.

We will explore the opportunities and challenges of our future, by learning from the achievements and failures of our past.

This symposium aims to attract the most recent developments in geotechnical engineering, and associated disciplines in New Zealand and internationally. We look for stimulating technical discussions and out-of-the-box ideas in the fields of engineering geology geotechnical engineering, seismology, geophysics, new technologies.

The Symposium is preceded by a one-and-a-half-day workshop and field study which starts in Queenstown and ends in Dunedin at the welcome reception. The two-day symposium will include technical talks, discussions, and a trade exhibition. We will use a range of formats: keynote speakers, plenary special technical sessions and discussions, speaker presentations, and poster exhibitions. Collaboration and communication with structural and infrastructural engineering will be the key component of our technical sessions.

We will be delighted to see you at Dunedin in 2021. Let's combine our thinking and together develop...

Conference Information

Website: <https://www.confer.nz/nzgs2021/>; Tel : +64-04-384-1511;

Email: nzgs2021@confer.co.nz

- Conference Venue: Dunedin Conference Centre;
- Workshop Venue: Copthorne Hotel and Resort Queenstown

Registration	Early Bird (excl GST)	Standard (excl GST)
Member (NZGS or AGS)	\$645.00	\$695.00
Non-member	\$799.00	\$842.00
Student (from a NZ Institute, does not include dinner)	\$100.00	\$100.00
Pre-Symposium Workshop & Field Study	\$280.00	\$280.00
Student or Additional Guest Dinner Ticket	\$108.70	\$108.70

*Students will be asked to upload an image of their current student ID during registration.

Delhi, India, 36th International Geological Congress



Prof. John LUDDEN
IUGS President

Dr. Ranjit RATH
Co President & Secretary General
36th IGC-LOC

December 2020

Subject: Refund of Registration & other fees towards the 36th International Geological Congress

Dear Members & Colleagues,

Given the widespread continuation of the COVID-19 pandemic and the associated uncertainty, IUGS and the 36th IGC-LOC have been constrained to revisit the twice rescheduled 36th IGC planned initially for March 2020 and then the latest during August 2021. In the prevailing scenario and near future, owing to the global health crisis, the risks of attracting a global audience to a physical meeting are simply too high. Therefore, a wider consultation process means that organising the event in its present form and structure is not feasible.

We understand this will be upsetting to all those delegates who were hoping for the meeting to go ahead and especially for all those who have invested considerable time in organising the meeting.

The 36th IGC LOC has already reimbursed some of the registration amounts and has held all contributions to the following registrations in separate bank accounts. These are: meeting registration, field trip registration, Ge-Expo registration, sponsorship, abstract fees and short-course registrations. The 36th IGC LOC have already started the process and will continue to reimburse these amounts to the delegates without levying any transaction charges & banking fees. These transaction charges are being debited to the 36th IGC as a liability.

However, in some of the cases the refund process is not getting through to members due to incorrect / insufficient account details of the delegates. Therefore, the 36th IGC LOC has requested that the IUGS national delegations, where possible, help them in arranging these reimbursements, where the bank account information for the transfers is required and they will communicate a list of registrant's country by country, with the IUGS acting as an intermediary in forwarding the information, and with the 36th IGC LOC ultimately remitting the fees.

It is considered that any third-party arrangements for hotels, transfers and travel are not part of the reimbursement, and are part of the liability of the 36th IGC LOC, as are payments to the conference venue, caterers, publishers, vendors and the PCO.

Both IUGS and the 36th IGC LOC are in continuous engagement to revisit the structure and format of 36th IGC with a basic tenet for resolution of this crisis-laden event owing to COVID-19. Given that the 37th IGC planned to be organised in Busan is scheduled during 2024, we will work out a schedule and thematic event and apprise the geoscience fraternity shortly.

The inconvenience caused is deeply regretted and we assure that remittance of registration & other fees is a commitment of 36th IGC LOC, which might take a longer time due to the processes involved and the constraints of COVID-19. Kindly bear with us.

Your sincerely

Professor John Ludden CBE

Dr. Ranjit Rath

Cordoba, Argentina, September 6 -10, 2021

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



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



1st IAEG South American Regional Conference and 2nd Argentine Congress of Geology Applied to Engineering and the Environment

The 1st Regional South American Conference of IAEG, which will take place in the city of Córdoba in coincidence with the 2nd Argentine Congress of Geology Applied to Engineering and the Environment. The event will take place between September 6 and 10, 2021 within the Córdoba Regional Faculty of the National Technological University. The main goal of the conference is to share knowledge and practical experience in dealing with issues on Geology applied to society development.

Contact Information

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

congreso@asagai.org.ar (for academic)

Please refer to https://www.dropbox.com/s/dh1pvt01ejdb7oj/Segunda%20Circular_iaegsa2021%20-%20Second%20Newsletter_iaegsa2021.pdf?dl=0 for the second circular.



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



>> EXTENSIÓN ENVÍOS MARZO 2021 >> DEADLINE EXTENSION MARCH 2021

El Comité Organizador de la **1ª Conferencia Regional Sudamericana de IAEG** y **2º Congreso Argentino de Geología Aplicada a la Ingeniería y al Ambiente** comunica que a solicitud de diversos autores se ha decidido extender la recepción de resúmenes hasta el **5 de marzo de 2021**.

La plantilla para el envío la encuentra en www.iaegsa2021.org.

Los idiomas oficiales del evento son español, inglés y portugués.

El objetivo principal de la Conferencia es compartir el conocimiento y la experiencia práctica en el tratamiento de cuestiones vinculadas con la **Geología Aplicada al desarrollo de la sociedad**.

Esperamos contar con su participación.

Feliz Año Nuevo.

Más información en: <https://iaegsa2021.org/>

The Organizing Committee of the **1st IAEG South American Regional Conference** and **2nd Argentine Congress of Geology Applied to Engineering and the Environment** announces that the deadline for receipt of abstracts has been extended to **March 5th, 2021**.

The template for submission can be found at www.iaegsa2021.org/en

The official languages of the event are Spanish, English and Portuguese.

The conference's main goal is to share knowledge and practical experience in dealing with issues on **Geology Applied to Society Development**.

We look forward to your participation.

Happy New Year.

More information: <https://iaegsa2021.org/>

Fukuoka, Japan 9-11, 2021

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



On behalf of the Japanese Society for Rock Mechanics and the Japan Society of Engineering Geology, we are pleased to hold "RMEGV2021: 5th International Workshop on Rock Mechanics and Engineering Geology in Volcanic Fields". The goals of this workshop are to promote the exchange of ideas and information among civil engineers and geologists regarding serious issues related to volcanic fields, and to find possible solutions to them, as well as to aid in the fusion of Civil Engineering and Geology in terms of applied volcanic science, including construction, environment, groundwater, disasters, and geothermal energy. Many resources can be found in the vicinity of volcanic fields, such as hydro-geothermal energy and groundwater. On the other hand, many natural disasters and other risks to infrastructure construction also exist due to the geoscientific and geotechnical features in these areas. Thus, civil engineers and engineering geologists strive to solve these problems based on the existing data on volcanic fields. The themes of this workshop include volcanic geology, disasters and their mitigation, resources and energy in volcanic fields, mechanical behavior of volcanic rocks and soils, groundwater and environmental problems in volcanic fields, and geotechnical engineering in volcanic fields. It is our hope that many researchers/engineers involved in applied volcanic science will attend this workshop from all over the world, participate in deeply meaningful discussions, and create new global research connections.

Conference Information

Website: <https://ec-convention.com/rmegv2021/>

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

Tel: +81-11-299-5910

Venue : Fukuoka University

Topics

Volcanic geology, Disasters and their mitigation in volcanic fields

Resources and energy in volcanic fields

Mechanical behavior of volcanic rocks and soils

Groundwater and environmental problems in volcanic fields

Geotechnical engineering in volcanic fields

Important Dates

January 15, 2021 : Abstract Submission Deadline

February 28, 2021 : Notification of Abstract Acceptance

May 1, 2021 : Extended Abstract Submission Deadline

June 30, 2021 : Notification of Extended Abstract

Singapore, November 15 - 19, 2021

The 13th Asian Regional Conference of IAEG (VIRTUAL)



ARC 13 is co-organized by Society for Rock Mechanics & Engineering Geology (Singapore) and The Geological Society of Hong Kong. The organizers offer an ideal opportunity and platform for professionals from the international engineering geology community to exchange the latest experiences and ideas on engineering geology, particularly on the conference theme "Engineering Geology for Sustainable Resource and Infrastructure Development". In addition to the technical programs, we will organize short courses, workshops, technical visits, exhibitions, as well social programs. We will also offer attractive programs for young researchers and students, such as Young Engineering Geologist Session.

In 2019, Singapore released an underground masterplan that maps out the underground space and its potential use. Singapore thus has great needs for resource and infrastructure development, which is well supported by high-level research from the industry and academia. Singapore is much more than the sum of its numerous attractions. It's constantly evolving, reinventing, and reimagining itself, with people who are passionate about creating new possibilities.

ARC organizers intend for ARC 13 to adopt an in-person meeting format. However, due to the influence of COVID-19 pandemic, the organization committee decided to hold the meeting viirtually.

Conference Information

Date : November 15-19, 2021

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

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

Important Dates

Abstract Submission Opens & Deadline	November 1, 2020 – January 31, 2021
Notify Abstract Acceptance & Deadline	December 15, 2020
Short/Full Paper Submission Opens & Deadline	Febuary 1, 2021 – May 15, 2021
Notify Paper Acceptance	From May 15, 2021

Topics

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



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