



# IAEG

## NEWSLETTER



Issue No.1, 2021

Website: [www.iaeg.info](http://www.iaeg.info)

Electronic Version

## Cover Story



The Photo of this issue of Newsletter Cover shows the Baihetan hydropower station which is located in the borders of Sichuan and Yunnan Provinces, China. It is the second largest hydropower station next to the Three Gorges Project in China. Baihetan hydropower station is composed of concrete double-curvature arch dam, flood discharge and energy dissipation structures, and water diversion and power generation systems on the left and right banks, etc.

The maximum dam height is 289 m. The total storage capacity is 20.627 billion m<sup>3</sup>. The installed capacity of electric system is 16000MW (16×1000MW). The average electric energy production is 62.443 billion kWh. The Baihetan hydropower station is the hydropower station with the largest unit electric capacity under current construction in the world.

The project is investigated and designed by Power China HuaDong Engineering Corporation Limited (HDEC).

Photos are provided by Power China HDEC



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Edited by the IAEG Secretariat, Shaoxing, China

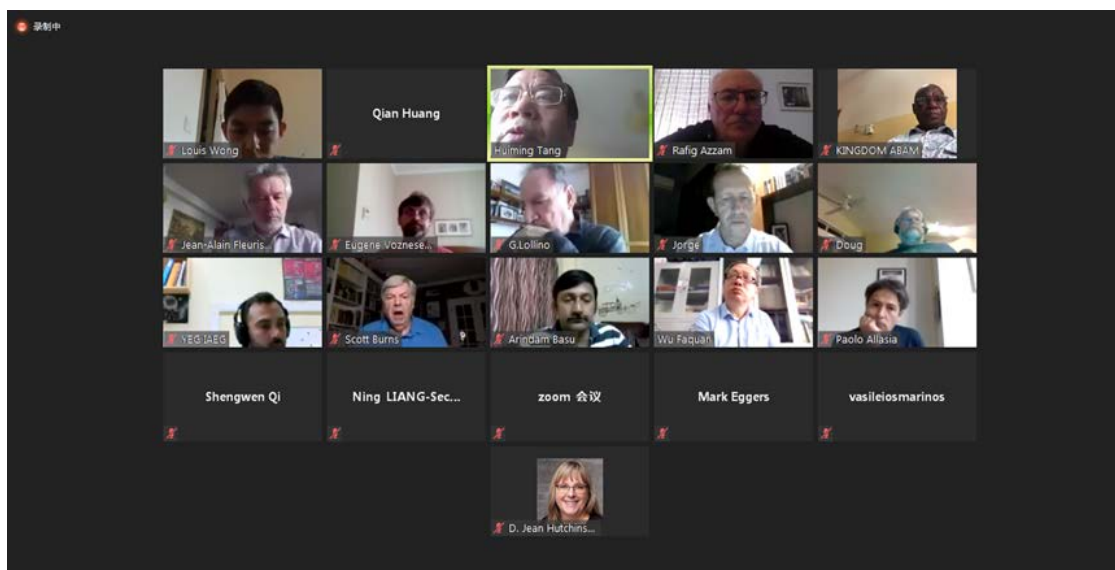
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## NEWS OF IAEG EXECUTIVE COMMITTEE

### 2021 IAEG Executive Committee Online Meeting

The 2021 IAEG Executive Committee Meeting was held on April 23, 2021 virtually via Zoom. President Rafiq Azzam chaired the meeting, 15 executive members attended. Rafiq welcomed all the attendee in the meeting and introduced the new Co-Editor-in-Chief of BOEG, Prof. Arindam Basu from India.



2021 IAEG Executive Committee Online Meeting

The Secretary General Faquan WU gave a general report of the association and the Secretariat over the past year. The VPs, Bulletin, Website, YEG and the advisory committee gave their brief reports. The financial report has been presented by the Treasurer Jean-Alain and approved by the Executive Committee.

We have 7 new National Groups established in the past year under the efforts of VPs. The impact factor of Bulletin has gone up to 3.041 and stepped into Top 10 of Engineering Geological journals. The Website has tried all the efforts to include more videos of the conferences, webinars and lectures to enrich the contents in website. YEG has created the YEG YouTube Channel and organized 8 YEG Webinar Series. The e-new IAEG Connector keeps being published weekly and 151 issues have been distributed to our members.

Two nominations for Honorary Membership Kiril Angelov (2019) and Victor Osipov (2020) have been approved by the ExCom and shall be presented to the Council for approval. The 2020 RWP winner selection works has been postponed to 2021 due to the COVID-19 effect. The IAEG Science and Technology Awards and International Research Program are to be promoted to implement during the 14th IAEG Congress 2022 in Chengdu. The 14th IAEG Congress has been determined to be held on September 8-10th, 2021 in Chengdu, China. The Secretary General of Chinese National Group gave a report on the organizing works and progress on the congress. The next online meeting of the Executive Committee is going to be held 3-4 months later, and will focus on discussion on Bylaw revision.



## Four New National Groups Approved to Establish

Under the promotion of Vice President Jorge and Eugene, we have four new National Groups approved to establish, they are Bolivia, Peru, Mexico and Belorussia. Related information of the new National Groups have been listed below:

### **Bolivia**

Corresponding Organization: The Collegiate of Geologists of Santa Cruz

President: Faisal Sadud

Secretary General: David Vásquez Torrez

Website: [www.facebook.com/COLEGIOGEOLOGOSSANTACRUZ](https://www.facebook.com/COLEGIOGEOLOGOSSANTACRUZ)

### **Belorussia**

Corresponding Organization: Vitebsk State University named after P.M. Masherov

President: Aleksandr Galkin

Secretary General: Irina Krasovskaya

### **Mexico**

Corresponding Organization: Asociación Mexicana de Riesgos Hidrogeológicos

President: Víctor Manuel Hernández Madrigal

Secretary General: Víctor Manuel Hernández Madrigal

### **Peru**

Corresponding Organization: IAPG Peru

President: Sandra Paula Villacorta Chambi

Secretary General: Carlos Toledo

Website: <https://www.facebook.com/iapgperu>

## Summary Report of 2020 for Europe

-by Vice President Vassilis Marinos

This report sums up the 2020 annual activities of a number (21) of European National Groups of IAEG, monitored by the Vice President Vassilis Marinos, the progress that has been made, the communication of the NGs with the Association and the next steps ahead for the following period.

My intent as Vice President for Europe (2019-2022) and the chairman of the European Regional Conference of IAEG (EuroEnGeo2020) conference is to closely discuss several issues about promoting and encouraging the advancement of Engineering Geology and try to set up again the regional conferences of IAEG in our region. Towards this effort, several visits were programmed to meet the presidents-representatives of IAEG of certain National Groups. **Fortunately, a series of visits to promote IAEG were achieved, before the lockdown in Europe due to Covid-19 pandemic, in Belgium, Turkey, France, Germany, Croatia, Albania, Slovakia. Further trips were planned to Austria, Netherlands, Romania, Serbia, Georgia, Czech Republic and Cyprus, but were rescheduled in accordance to the travel restrictions.**

Several meetings and fruitful discussions took place during my visits in those countries. We discussed about "Engineering Geology core values" and the trend of deviation of Engineering Geology, seen internationally. Cases are observed with departure from the common ground in Engineering Geology, Soil Mechanics and Rock Mechanics, sometime with Engineering Geology not even being standing with its intellectual merits, methods and procedures. What happens so often to the Geology in Engineering Geology? Where is the integration of Geology to Engineering as seen in the research papers or applied papers in journals? An overall

highlight of these meetings was that the definition and scope of Engineering Geology needs to be revisited and revised. Please note that all the summed information provided below have been merged from the submitted NG reports and communication with the NG presidents or representatives. Unfortunately, large part of the planned activities had to be postponed or cancelled due to the pandemic state of Covid-19. However, many activities of the National Groups were realized virtually. For more details, please address to the NG reports.

## **1. Facts and numbers**

The European National Groups of IAEG that were appointed to me as Vice President are: *Albania, Austria, Bulgaria, Croatia, Cyprus, Estonia, Finland, France, Georgia, Greece, Italy, Lithuania, Netherlands, Poland, Portugal, Romania, Serbia, Slovenia, Spain, Switzerland, Turkey*. Here are some overall facts and numbers from the activities of the above NGs for 2020.

- **Communication feedback:** From these 21 countries, 16 replied to all communication but Bulgaria, Estonia, Finland, Lithuania, Poland and Switzerland. Communication with the presidents of the NGs was established mostly with e-mail exchange and in some cases in person

- **Report Submission: 14 National Groups submitted a report with their activities**

- **Workshops and Webinars:** Several workshops and meetings took place in France, Italy, Austria, Turkey, Netherlands, Portugal, Belgium, Greece, Croatia, Albania, Czech Republic and Slovakia.

**Topics** of the workshops-webinars are related to:

- Natural hazards and climate change
- 3D Geomodelling
- Landslide hazard and risk assessment
- Natural processes and engineering
- Tunnelling
- Rockfalls
- Earthquake triggered hazards
- Engineering – geotechnical guidelines (Site investigation, geological documentation for engineering works)
- Engineering geology, land use and waste management
- Water management and engineering geology
- Contract and geotechnical works

- **Relation with professional bodies-industry**

- Procedure to standardize professional recognition: Belgium NG (with the collaboration of rock mechanics and soil mechanics groups)
- Official credits to professionals and practitioners were offered via a training program, organized by the National Group of Italy (in cooperation with the society of photogrammetry and topography)
- Close connection with the industry: NG of Netherlands - Ingeokring are closely connected with the civil engineering and offshore industry.
- Consulting public offices (Ministries) for the assembly of technical regulations (e.g. Geotechnical Investigation and Testing", "Natural Hazards and Risks") in Romania

- **Publications-Newsletters:**

- Austria: Special Issue in OGG Journal Geomechanics and Tunnelling
- Netherlands: Ingeokring Newsletter in 3D Geomodelling
- Turkey: Geo-Engineering Bulletin
- Croatia: Earthquake triggered hazards
- Georgia: Evaluation of collapsible ground, engineering geological conditions of the coasts of the Black Sea, landslide and mudflow hazard assessment

- **Young Engineering Geology (YEG) group activities.** There are no yet certain procedures or actions to motivate Young Engineering Geologists within the NGs. Certain actions should be organized by the NG in order to form YEG groups for every country within the NGs. These could be specialized webinars-workshops for young researchers, certain awards for young engineering geologists within the NG, connection with the industry and the private sector ("Career Day") and others.
- **Summer Schools:** A specialized Summer School has been scheduled by the NG of Italy for 2020 but was postponed due to the Covid-19
- **Awards:** Specific awards, formed by the NGs, were given to distinguished academic scientists or professionals from the NGs of France, Portugal and Turkey. In Turkey awards have been established for young researchers for several categories (Graduation project, MSc thesis, PhD thesis, outstanding paper in peer reviewed journals).
- **Partnership with sister societies:** Several countries like Belgium, France, Austria, and Netherland, organized common workshops or webinars with other sister societies in geo-engineering in their countries. It is noted that part the organization of the above National Groups is operated together with Rock Mechanics and/or Soil Mechanics.
- **Inactive or less active countries:** The countries that did not submit reports are either in the process of changing their administration or seem to be less active.
  - Estonia replied (by the President on Estonian Geotechnical Society) that there are no IAEG members at this moment, thus no NG of Estonia seems to really exist.
  - Finland, Lithuania and Poland have not replied to any communication the past two years. Old contacts are no longer in action. Several efforts for new contacts with these countries are done.
  - Finland, Lithuania and Poland have not replied to any communication the past two years. Old contacts are no longer in action. Several efforts for new contacts with these countries are done.
  - The representative of the NG of Bulgaria has not replied to any communication for two years now

**Table 1. Communication and annual report status, for the year 2020, of the National Groups of Europe, monitored by the VP V.Marinos.**

		Communication (Y-Yes/N-No)	2020 Annual Report (Y-Yes/N-No)
1	Albania	Y	Y
2	Austria	Y	Y
3	Bulgaria	N	N
4	Croatia	Y	Y
5	Cyprus	Y	N
6	Estonia*	N	N
7	Finland*	N	N
8	France	Y	Y
9	Georgia	Y	Y
10	Greece	Y	Y
11	Italy	Y	Y
12	Lithuania*	N	N
13	Netherlands	Y	Y
14	Poland*	N	N
15	Portugal	Y	Y
16	Romania	Y	Y
17	Serbia	Y	Y

18	Slovenia	Y	N
19	Spain	Y	Y
20	Switzerland	Y	Y
21	Turkey	Y	Y

*\*Note: Finland, Lithuania and Poland have not replied to any communication the past two years. Old contacts are no longer in action. Several efforts for new contacts with these countries were done. Estonia replied (by the President on Estonian Geotechnical Society) that there are no IAEG members at this moment, thus no NG of Estonia really exists.*



Figure 1. National Groups that submitted an annual report for 2020. Please note countries with darker grey color are monitored by VP E. Voznesensky. Countries in light blue have not yet formed a National Group in IAEG. Hopefully, after certain efforts these countries will establish a National Group in the next period.

## 2. Next steps forward

### Organisation of the 3rd European Regional Conference (initially for 2020, postponed due to the Covid-19, for October 2021)

The activation again of the IAEG regional conference in Europe was a fundamental action and also commitment under my service as Vice President. Unfortunately, the regional conference of IAEG in Europe has been inactive, the last being 12 years ago. A European Regional Conference of IAEG was therefore requested together with the other VP for Europe Eugene Vosnesensky. This initiative was warmly supported by members from the Executive Office but also from NG Presidents in the European region. The European Regional Conference of IAEG was indeed decided in the council 2019 in South Korea, to take place in Athens, Greece in 2020.

Therefore, it is a pleasure but also great responsibility to announce that the 3rd European Regional Conference of IAEG will be organized by the National Group of Greece. Initially, the conference was scheduled to take place at the end of September 2020 in Athens. However due to the COVID-19 pandemic the conference was postponed.



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 pandemic 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 conference will be organized with the collection either of extensive abstracts or full papers. *Please keep in mind that the latest information is available at [www.euroengeo2020.org](http://www.euroengeo2020.org).*

## Summary Report of 2020 for Europe

-by Vice President Eugene A. VOZNESENSKY

### National Groups

13 National groups under my responsibility, this year only 4 of them (in bold letters) have provided reports, some groups are inactive:

<ul style="list-style-type: none"> <li>• <b>Czech Republic</b></li> <li>• <b>Germany</b></li> <li>• <b>Russia</b></li> <li>• <b>Slovak Republic</b></li> </ul>	<ul style="list-style-type: none"> <li>• Belgium</li> <li>• Denmark</li> <li>• Finland</li> <li>• Great Britain</li> <li>• Hungary</li> <li>• Iceland</li> </ul>	<ul style="list-style-type: none"> <li>• Ireland</li> <li>• Norway</li> <li>• Kyrgyzstan</li> <li>• Uzbekistan</li> <li>• Sweden</li> </ul>
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### National Groups' general information

Country	Number of members/with Bulletin	NG Leader	Country	Number of members	NG Leader
Belgium	55/26	Ch. Treve	Great Britain	292/292	H. Reeves
<b>Czech Republic</b>	<b>25 / 11</b>	<b>P. Pospíšil</b>	Hungary		A. Torok
<b>Germany</b>	<b>468 / 41</b>	<b>K. Thuro</b>	Iceland		H. Sigursteinsson
<b>Russia</b>	<b>85 / 30</b>	<b>E.A.Voznesensky</b>	Ireland		M. Looby
Sweden	36/36	V. Svahn	Norway		
Denmark		J.D. Andersen	<b>Slovak Republic</b>	<b>7 / 3</b>	<b>M. Ondrasik</b>
Finland		A. Koskiahde	Kyrgyzstan	1	
			Uzbekistan		

Unlike 2019 NG of Belgium, Great Britain and Sweden haven't reported anything in 2020. NGs of Denmark and Ireland did not respond in 2019-2020 at all. Contact information of NG of Finland and Iceland seems to be incorrect and my messages were never delivered.

In 2020 I have contacted colleagues in Hungary and Norway trying to re-establish their NGs and develop their contacts with IAEG. No opportunity to go there in person in 2020 due to lockdown resulted in our e-mail correspondence. So far I got a prompt answers from geotechnical groups of NTNU (Trondheim) and NGI (Oslo) stating that they would like to participate in IAEG events, but have no possibility to do this due to their current activities leaving no time for that. I'll continue these negotiations with other groups in Norway. Unfortunately, I got absolutely no reply from Hungary.

## **National IAEG Groups – parts of other professional societies**

Some national groups are reported to be parts of other professional societies and associations:

- Germany – German Geotechnical Society (Essen) & German Geological Society (Berlin)
- Slovak NG is an independent part of the Slovak Association of Engineering Geologists
- Great Britain – Engineering Group in The Geological Society (according to their blog, not from the report)

## **Current activities in national groups**

### **1. Scientific conferences under the auspices and with notable participation of national groups:**

The 4 abovementioned NG reported about participation of their members in various scientific international and national events – conferences, seminars, special technical meetings. All of them also report that mainly those events had occurred in online format with the exception of few in the beginning of 2020 and those postponed for better time and still scheduled. Some of conferences, including annual ones, have been cancelled at all due to various reasons. List of events mentioned in the attached reports of NGs follows.

#### **German NG**

Nearly all other major congresses were cancelled or postponed due to the Corona pandemic.

Contributions were made and sessions delivered to

- European Geological Union General Assembly, Vienna April 04-08, 2020
- XIII International Symposium on Landslides, Cartagena, Colombia, June 2020 - switched to virtual Feb 22-26, 2021
- Congress of the German Geological Society DGGV and the Geological Society of The Netherlands in Utrecht, The Netherlands, Aug. 23-26, 2020 - switched to virtual (same dates)
- 3rd European Regional Conference of IAEG, Athens, Greece, Sept. 2020 - postponed to Oct.07-10, 2021
- 35th DGGT Congress on Foundation Engineering 26.–29.09.2018 in Wiesbaden, Germany, organized by DGGT - switched to virtual March 2021
- World Landslide Forum, Kyoto, Japan, Nov. 02-06, 2020 - postponed to Nov. 02-06, 2021
- German Geothermal Congress DGK 2020 of the German Geothermal Society in Munich, Germany, Nov. 09-13, 2020 - switched to virtual (same date)
- 24th Conference at the Lake Constance Oct. 09-10, 2020 in Freiburg, Germany, organized by SFIG, ÖGG and IAEG-GER - postponed to Oct. 2022
- 20th DGGT Symposium on Abandoned Mines Nov. 05-07, 2020 in Freiberg, Germany, organized by the IAEG-GER Working Group 4.6 Abandoned Mines - postponed to Nov. 2021.

#### **Russian NG**

In March 2020, the annual scientific conference Sergeevskie chteniya in commemoration of academician E.M.Sergeev was cancelled. The scheduled topic for discussion was "Geoecological aspects of national project "Ecology" implementation. The dialogue of generations". The volume of conference proceedings was published in due time (Sergeevskie chteniya, issue 22, Moscow, RUDN Publ., 2020 , 424 pp.).

In the reported period, members of the Russian national group IAEG took part in a number of international online conferences, i.e., XI International Forum "Ecology" (October 22-23, St.Petersburg), "Global problems in the Arctic" (June 23-26, Arkhangelsk), "Land degradation and desertification: problems of sustainable nature use and adaptation" (Moscow, Institute of Geography, Russian Academy of Sciences, November 2-5, 2020). etc.

### **Czech and Slovak NG**

Top event of the year was supposed to be the conference Engineering Geology organized on 18.-19. June in the opportunity of 30th anniversary of establishment of Slovak and Czech associations of engineering geologists. It was organized by the members of the two associations, including Slovak NG and Czech NG in online format.

NGs also report about publications of books. Russian NG reports that the book "Natural hazards and risk research in Russia" (V.Svalova, Ed.) was published by Springer in the series "Innovation and discovery in Russian Science and Technology". This book has collected the expertise of more than 60 scientists and expert practitioners from across Russia in natural hazards and risk. Another important volume entitled "Geological risk in urbanized areas" (V.I. Osipov, Ed.-in-Chief) summarizing the long-term research on this topic at IEG RAS is in print now (in Russian).

## **2. Work in commissions (working groups)**

German NG reports about 7 commissions:

WG	Title	Chair
4.1	Geotechnical Investigation and Testing	Regina Kautner
4.2	Slopes (dormant)	Konrad Kuntsche
4.3	Graduate, post-graduate and further education in Engineering Geology	Kuroschi Thuro
4.6	Abandoned mines	Detlev Tondera
4.9	Historical buildings and natural monuments	Stefan Krieg
4.10	Drilling and sampling methods and groundwater measurements	Ferdinand Stölben
4.11	Geothermal Energy, jointly run with the Hydrogeology Group of the DGGV	Ingo Sass

Dr. Anika Braun – secretary of German IAEG NG was appointed as the Country Representative of the Young Engineering Geologists.(YEGs)

Russian NG – work is directed by the Scientific Council of Russian Academy of Sciences on the problems in environmental geoscience, engineering geology and hydrogeology.

Members of the Russian national group are involved in YEG Committee (Dr. A. Kazeev), IAEG Commissions (Prof. V.Osipov, Dr. V.Sokolov, Dr. O. Zerkal, Dr. A. Strom), BOEG editorial board (Drs. I.Galitskaya and O.Eremina).

### **3. Participation of NG members in summer schools and other complementary educational activity**

Members of all European IAEG NG are involved in education in the field of engineering geology in universities, though not specifically reported by all NGs.

Members of IAEG Czech National Group were involved in organization of traditional seminars of engineering geology held periodically each month during the academic year at Faculty of Science, Charles University in Prague ( this year – again only online).

Russian NG - ICL Annual Summer School on Rockslides and Related Phenomena in Kyrgyzstan (ICL Kokomeran summer school) was co-chaired by A.L. Strom, member of the Russian national group IAEG. In 2020 this workshop was also held online.

### **4. Participation of NG members in the development of professional national and international standards**

- Czech NG members were reported in 2019 to be involved in the development of national technical “Ground investigation”, “Ground investigation for motorways”. Now they have the feedback from practice which is very good

- Russian NG members actively participate in the development and renewal of a list of national codes of practice and standards in site investigation, soil and rock classification, laboratory and field testing. E. Voznesensky is a chairperson of technical subcommittee “Geotechnical Survey” in Russian Federal Agency for Technical Regulation and Metrology. This year he has renewed standard from 2015 “Laboratory dynamic testing methods of soils”.

### **5. Internet sites and blogs of IAEG National Groups**

- Sites and blogs of some IAEG NG and other sister societies are updated regularly and contain relevant and adequate information about their activities (e.g., German NG).
- However, the sites of some NG contain old information going back several years. Even the names of NG leaders sometimes differ from those given in NG contacts. This, of course, influences the possibility of quick contacts and should be improved.

### **1st IAEG South American Regional Conference Changes to Virtual Conference**

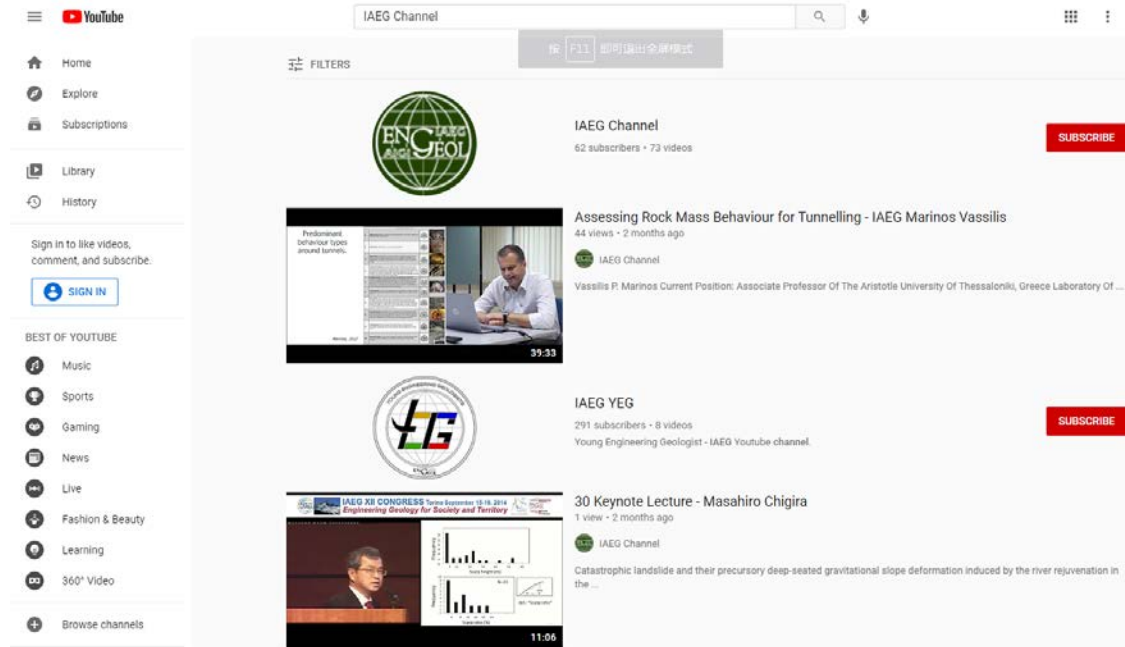
In view of the current situation of epidemic situation, the Organizing Committee of the 1st IAEG South American Regional Conference decided to change the physical meeting to virtual one after careful consideration.

That Argentina won the right to hold the 1st IAEG South American Regional Conference represents the return of IAEG to South America after 35 years. It is with great regret that the organizing committee cannot hold a physical meeting, however, due to the continuation of the pandemic and the uncertainties related to transportation of the assistants and the availability of places for the IAEG meetings, virtual meeting is the best choice.

The three-day online meeting will offer the opportunity to access high quality exhibitions of multiple topics associated with applied geology and the chance to make meaningful connections no matter where you are in the world.

## IAEG Youtube Channel for Collections of Past Webinars

In pandemic times, online meetings become popular nowadays. However, many audiences are not able to take part in these meetings due to the different time zones they belong to. In order to enable more people, especially young people to get involved in these events, IAEG created its Youtube channel for all the past webinars.



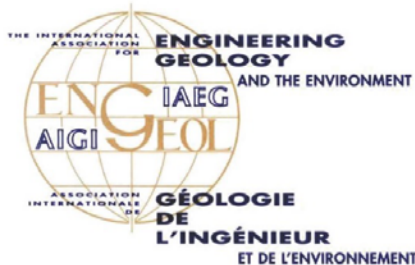
Any associations or organizations are welcome to submit your online meeting videos to [giorgio.lollino@irpi.cnr.it](mailto:giorgio.lollino@irpi.cnr.it). IAEG will spread your knowledge all over the world to help young people to grow through IAEG platform (<https://iaeg.info/webinars/>). The video should be a 30-40 minutes presentation on specific subjects concerning engineering geology, which can be either be recorded by self or during congress. Thank you in advance for your cooperation.





## ANNOUNCEMENT OF NEW ESTABLISHED NATIONAL GROUPS

IAEG Executive Committee has accepted Belorussia, Bolivia, Mexico and Peru as new national groups of IAEG . Congratulations!



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

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Professor Faquan Wu  
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Email: [iaegsg@163.com](mailto:iaegsg@163.com)

### Appointment Letter

The Executive Committee of International Association for Engineering Geology and the Environment (IAEG) has approved the proposal of establishing the Belorussian National Group. We are officially announcing that the Belorussian National Group has established, Aleksandr Galkin is appointed as the President, Irina Krasovskaya as the Secretary General of the Belorussian National Group.

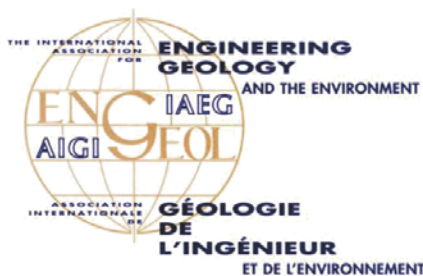
Congratulations to this new National Group!

Best Regards,

President(Signature):  
Rafiq Azzam

Secretary General (Signature):  
Faquan Wu

Date: April 8<sup>th</sup>, 2021



<b>President:</b>	Prof. Rafiq Azzam
<b>Past President:</b>	Prof. Scott Burns
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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
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## Appointment Letter

The Executive Committee of International Association for Engineering Geology and the Environment (IAEG) has approved the proposal of establishing the Bolivian National Group with full 12 votes. We are officially announcing that the Bolivian National Group has established, Faisal Sadud is appointed as the President, David Vásquez Torrez as the Secretary General of the Bolivian National Group.

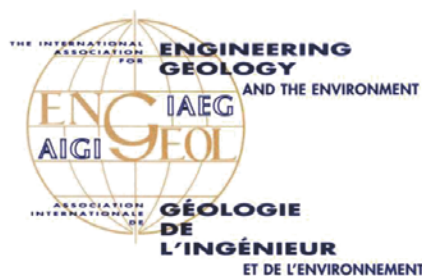
Congratulations to this new National Group!

Best Regards,

President(Signature):  
 Rafiq Azzam

Secretary General (Signature):  
 Faquan Wu

Date: March 4<sup>th</sup>, 2021



<b>President:</b>	Prof. Rafiq Azzam
<b>Past President:</b>	Prof. Scott Burns
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 Email: [iaegsg@163.com](mailto:iaegsg@163.com)

## Appointment Letter

The Executive Committee of International Association for Engineering Geology and the Environment (IAEG) has approved the proposal of establishing the Mexican National Group with full 12 votes. We are officially announcing that the Mexican National Group has established, Víctor Manuel Hernández Madrigal is appointed as the President, Cecilia Irene Villaseñor Reyes as the Secretary General of the Mexican National Group.

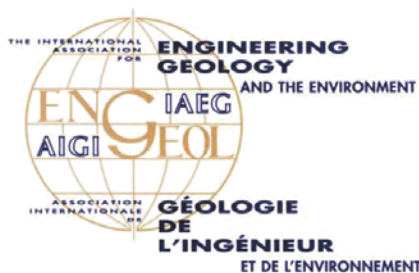
Congratulations to this new National Group!

Best Regards,

President(Signature):  
 Rafiq Azzam

Secretary General (Signature):  
 Faquan Wu

Date: March 4<sup>th</sup>, 2021



<b>President:</b>	Prof. Rafiq Azzam
<b>Past President:</b>	Prof. Scott Burns
<b>Secretary General:</b>	Prof. Faquan Wu
<b>Treasurer:</b>	Dr. Jean-Alain Fleurisson
<b>Vice Presidents</b>	
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:  
Shaoxing University  
No. 508 Huanchengxilu, Shaoxing City, Zhejiang Province, 312000, CHINA  
Tel/Fax: +86 -0575 -8834 6551, Mobile: +86-13910509506  
Email: [iaegsg@163.com](mailto:iaegsg@163.com)

## Appointment Letter

The Executive Committee of International Association for Engineering Geology and the Environment (IAEG) has approved the proposal of establishing the Peruvian National Group with full 12 votes. We are officially announcing that the Peruvian National Group has established, Sandra Paula Villacorta Chambi is appointed as the President, Carlos Toledo as the Secretary General of the Peruvian National Group.

Congratulations to this new National Group!

Best Regards,

President(Signature):  
Rafiq Azzam

Secretary General (Signature):  
Faquan Wu

Date: March 4<sup>th</sup>, 2021



## CALL FOR MEMBERSHIP UPDATE 2021

By April 27, 2021 the number of IAEG memberships is 1819 from 69 national/regional groups, 570 with Bulletin, 1248 without Bulletin. The Bulletin will be delivered to the members through the email address provided by the national groups.

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



Norberto Jorge Bejerman	44	Argentina				
	45	Bolivia				
	46	Brazil				
	47	Chile	30	9	21	0
	48	Colombia				
	49	Costa Rica	18	13	5	0
	50	Mexico	5	5	0	0
	51	Paraguay				
	52	Peru	11	5	6	
Bo-An Jang Huiming Tang	53	Bangladesh				
	54	China				
	55	Chinese Taipei	60	9	51	0
	56	HongKong SAS	7	4	3	0
	57	India				
	58	Indonesia				
	59	Iran				
	60	Iraq				
	61	Japan				
	62	Korea				
	63	Malaysia				
	64	Mongolia	12	3	9	0
	65	Myanmar				
	66	Nepal (NGS)				
		Nepal (NSEG)				
	67	Singapore				
	68	SEAGS				
	69	Vietnam				
Individual Member			12	12	5	0
Associate Member			1	0	0	0
Total			<b>1819</b>	<b>570</b>	<b>1248</b>	<b>1</b>



## YEG WEBINAR SERIES

The Young Engineering Geologists group representing the interests of International Association of Engineering Geologists (IAEG) young members. The YEGs are lead by a dedicated international committee of 9 young engineering geologists who meet regularly. YEG and IAEG supports conferences, summer schools and networking events in relation with Engineering Geology domain. Follow our social media in Facebook, LinkedIn and YouTube channel for staying update on our actions and events!

Short Video on what is YEG, please check it via the link below:

<https://www.youtube.com/watch?v=GRA-Txwh1Io>

Previous YEG Webinar Series could be checked via the link below:

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

Previous YEG Webinar Series:

1st e-YEG webinar - "Landslide & Rock slope characterization"

2nd e-YEG webinar - "Investigation on Soils"

3rd e-YEG webinar - "Risk Mitigation on Soils"

4th e-YEG webinar - "Risk Assessment & Management for Geological Engineering projects"

5th e-YEG webinar - "The use of Innovative Solutions for Slope Modelling and Monitoring"

6th e-YEG webinar - "Numerical Analysis in Rock Mechanics"

7th e-YEG webinar series - "Slope instability assessments of transportation corridors"

Thank you for your attention! We look forward to having your active joining in the group of Young Engineering Geologist!

### Contact:

Stratis Karantanellis (YEG Chair)

[skarantanellis@gmail.com](mailto:skarantanellis@gmail.com)

The group of Young Engineering Geologists (YEG) — IAEG invites you to the 8<sup>th</sup> series of "e-YEG" webinars with invited presentations from Prof. Arindam Basu (India) & Dr. Yannis Vazaios (UK/Greece)

**Topic: Rock Mechanics & Geoengineering**


**Day: Thursday, 22nd April 2021**  
**Time: 13:00 UTC (GMT)**  
**Platform: Zoom App**

**Prof. Arindam Basu**  
**Comprehending Rock Failure Modes through Laboratory Investigation**  
Prof. Arindam Basu completed B.Sc. and M.Sc. studies from Jadavpur University (1997) and Indian Institute of Technology Bombay (1999). He pursued MPhil and PhD research at the University of Hong Kong (2000-2006) and postdoctoral research at Universidade de São Paulo (2006-2007). He joined the Department of Geology & Geophysics, Indian Institute of Technology Kharagpur as an Assistant Professor in 2007 and as a Professor in this department since 2018. His prominent research contribution lies in understanding mechanical behavior and failure modes of virtually isotropic and anisotropic rock materials including weathered rocks under different states of stress; in improving various index test methods; and in scrutinizing shear behavior of rock discontinuities that has got implications in shallow-depth rockslides. He received the Geological Society of India Sesquicentennial Commemorative Award in recognition of valuable contributions in the field of Engineering Geology in 2013. His work has been cited over 1500 times.


**Dr. Yannis Vazaios**  
**The Application of Advanced Modelling Techniques to Capture Complex Rockmass Behaviour**  
Dr. Yannis Vazaios holds a PhD degree from Queen's University, Canada in Rock Mechanics and Engineering Geology which he completed under the supervision of Dr. N. Vlachopoulos and Dr. M. Diederichs, and his expertise focuses on rockmass assessment by implementing state-of-the-art techniques including remote sensing (LiDAR/photogrammetry), advanced modelling by utilising several continuum and discontinuum numerical techniques and development of computational tools using Python and other programming languages for underground support design in geologically challenging environments. Yannis is a Senior Geotechnical Engineer with Ove Arup & Partners in Rock Mechanics and Tunnelling. His diverse experience ranges from soft to hard rock underground excavations for civil infrastructure and mining projects within extreme rockmass conditions in the UK, the Americas and Australasia. Yannis is a key member of multiple design teams working on underground projects ranging from urban tunnelling, to deep shafts and mining works.

### Speakers of the 8th e-YEG Webinar Series


The 8th e-YEG was held on April 22, 2021, which invited Prof. Arindam Basu (India) & Dr. Yannis Vazaios (UK/Greece) to give talks on the topic of *Rock Mechanics and Geoengineering*.



The group of Young Engineering Geologists (YEG) — IAEG invites you to the 9<sup>th</sup> series of “e-YEG” webinars with invited presentations from Prof. Jordi Corominas Dulcet (Spain) & Dr. Anika Braun (Germany)




**Topic: Rockfall hazard and future considerations**



**Day: Friday, 21st May 2021**

**Time: 12:00 UTC (GMT)**

**Platform: Zoom App**



**Fragmentation of rockfalls and its implications**

Prof. Dr. Jordi Corominas, B.Sc. and PhD in Geology from the University Barcelona, Spain. In 1978 he joined the Department of Geotechnical Engineering and Geosciences of the Universitat Politècnica de Catalunya-BarcelonaTech. Currently, he is emeritus professor. Visiting scholar at the Imperial College, UK (1985) and at the University of Colorado at Boulder, US (1993-1994). His research has focused on natural hazards, and particularly on landslide hazard assessment and quantitative risk analysis. Former president of the European Center for Geomorphological Hazards, Council of Europe, Strasbourg, France (2009-2014); Core Member of the Joint Technical Committee (JTC-1) of the ISSMFE-ISR-IAEG (2010-2014). He was awarded with the Varnes medal by the International Consortium on Landslides (2016). He delivered the 1st honour Lecture of LARAM School, in Salerno, Italy (2018); lectures for New Zealand's Geotechnical Society, Christchurch-Nelson-Auckland (2020); keynote in XIII International Symposium on Landslides, Cartagena, Colombia (2021).

**Machine learning for landslide susceptibility mapping with a case study of rockfall onset probability modelling in Saxony, Germany**

Dr. Anika Braun is a lecturer at the Department of Engineering Geology at the Institute of Applied Geosciences at Technische Universität Berlin, Germany. She obtained her BSc and MSc in Georesources Management in 2008 and 2010, as well as her PhD in Engineering Geology in 2015 at RWTH Aachen, Germany. From 2015 to 2018, she completed a PostDoc at the Institute of Geology and Geophysics at the Chinese Academy of Sciences in Beijing, China. In her research, Anika focuses on different types of mass movements, using a wide range of field, modelling, and remote sensing techniques. She has studied mass movements in several countries including Germany, Spain, Kyrgyzstan, China, Honduras, Cameroon, and Colombia. Anika is the secretary of the German Engineering Geology Section and member of the early career chapter of the German Geotechnical Society. She is also country representative for Germany with the Young Engineering Geologists (YEGs).

#### Speakers of the 9th e-YEG Webinar Series

The 9th e-YEG will be held on May 21, 2021, which will invite Prof. Jordi Corominas Dulcet (Spain) & Dr. Anika Braun (Germany) to give talks on the topic of *Rockfall Hazard And Future Considerations*.

## ALBANIA

## Main Activities

- Prof.Ass. Vassilis Marinos, Vice-President of IAEG paid a visit to Albania in the spring of 2020. The coming of V.Marinos was very important and inciting for our National Group. We had some interesting meetings in the Academy of the Sciences of Albania and in the Faculty of Geology and Mines of the Polytechnical University of Tirana. We had a meeting also with the President of the Academy of Sciences of Albania Prof. Skender Gjinushi.
- During his visit in Tirana, V.Marinos presented two lessons in the hall of the Academy of Sciences of Albania and in the Faculty of Geology and Mines. Also, he promoted the 3rd European Regional IAEG Conference.
- The Albanian National Group, collaborated with the Academy of Sciences of Albania on the organization of the Symposium on the Earthquake of November 26, 2019 in Durres Region. This event was organized with limited participants, regarding the rigorous measures of COVID 19.
- The committee of the NG of Albania is in continuous contact with its members and informs them for congresses, scientific meetings, lectures and engineering geological developments.
- Our main interest is for the health of each member. We are fighting against an invisible enemy
- The NG of Albania has fulfilled its obligation to the IAEG for the year 2020



## AUSTRIA

In 2020, the SBGIMR-BVIGRM (Belgian Society for Engineering Geology and Rock Mechanics) had 77 members, among which 54 subscribed as ISRM members and 55 as IAEG members (our members can subscribe to both the ISRM and IAEG).

Due to the pandemic situation, few activities can be reported for the year 2020:

-24/02/2020 : conference by Prof. Vassilis Marinos "The importance of the engineering geological differentiations in application of GSI in the Hoek-Brown failure criteria for Rock Engineering Design" at the University of Mons (about 50 participants)

-11/09/2020 : General Assembly 2020

Several Council meetings were held during the year (31st January, 3rd March, 29 May, 16th October, 14th December). Among the achievements in 2020, a procedure for the professional recognition of (experts) geotechnicians has been developed in collaboration with the Belgian national group for soil mechanics; the online process will be launched by the beginning of 2021. Another point is the evolution of the association into a non-profit organization with the name RockEnGeo.be since July 2020.

Finally, the Belgian Society for Engineering Geology and Rock Mechanics was proud to announce

its Jubilee to be held on April 21st, 2020 with guests from the ISRM and IAEG. Due to the sanitary context, the event is postponed to 2022.

## BANGLADESH

IAEG\_Bangladesh National Group organized series of online virtual webinar talks by inviting speakers from different Universities of Japan including DPRI (Disaster Prevention Research Institute), Tokoha University & Kagawa University Japan. In Jan. 2021. Dr. Hideyuki Kamimera from National Research Institute for Earth Science and Disaster Resilience (NIED), Tsukuba, Japan presented his talk on **“Co-learning for Enhancing Local Disaster Resilience”**. He highlighted the importance of co-learning for enhancing local disaster resilience in a community. And how community approach can help in mitigating hazards. Prof. Dr. Yusuke Yamane from Tokoha University, Shizuoka, Japan presented his talk on **“Severe local storms in Bangladesh ” (Saturday) on the 20th Feb, 2021”**. He presented how local storms are formed in Bangladesh and its impact on community people.

Prof. Dr. Toru Terao of Kagawa University, Japan presented another important talk on “Roles of the Bay of Bengal in the process of the Asian monsoon onset” on the 27th Feb. 2021(Saturday), 2021. He presented the role of Bay of Bengal in the process of Asian monsoon onset. 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. All speakers shared their experience with Bangladesh National s Group members and highlighted the importance of climate in attaining sustainability of a country.

“IAEG\_Bangladesh National Group” & “Jahangirnagar University” have the pleasure to invite all honorable friends, IAEG colleagues, IAEG members & students to join with us in our forthcoming 1st GECCSD 2022 Conference, Dhaka, Bangladesh in March 2022. Our online registration will start soon.

IAEG Vice President Assistant Prof. Vassilis Marinis visited Zagreb on March 10, 2020, where he gave a lecture and held a meeting with members of the Croatian National Group.

All members were sent a notice of a lecture by Professor Vassilis Marinis organized by the Engineering Geology Section of the CGS and the Croatian National Group IAEG. Lecture was titled „The importance of the engineering geological differentiations in application of GSI in the Hoek-Brown failure criteria for Rock Engineering Design”.

Please register to attend IAEG\_BNG event 2022 using the link: <https://iaegbng.com/iaeg> . Conference flyer is attached.



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

***1<sup>ST</sup> GECCSD-2022***  
**(12 MARCH-14 MARCH, 2022)**

**For Registration & all Enquiries**  
**<https://iaegbng.com/iaeg/technical/register>**  
**Contact Email: [iaegbng@gmail.com](mailto:iaegbng@gmail.com)**  
**For Abstract Submission Email:**  
**[iaegbngabstract@gmail.com](mailto: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

The Brazilian Association for Engineering Geology and the Environment (ABGE), through its Regional Sections promoted, on the four Wednesdays of March 2021, the First Workshop on Geological Hazards: Regionalities and Management, entirely online on ABGE YouTube channel (<https://www.youtube.com/channel/UC9IWq8eyXMCKRXQRoWIYoGw/videos>). The event aimed to present and discuss the current knowledge about geological hazards, focusing on the regional differences in a large and geologically diverse country like Brazil. For that, it was provided the meeting of several experts from various Brazilian institutions.

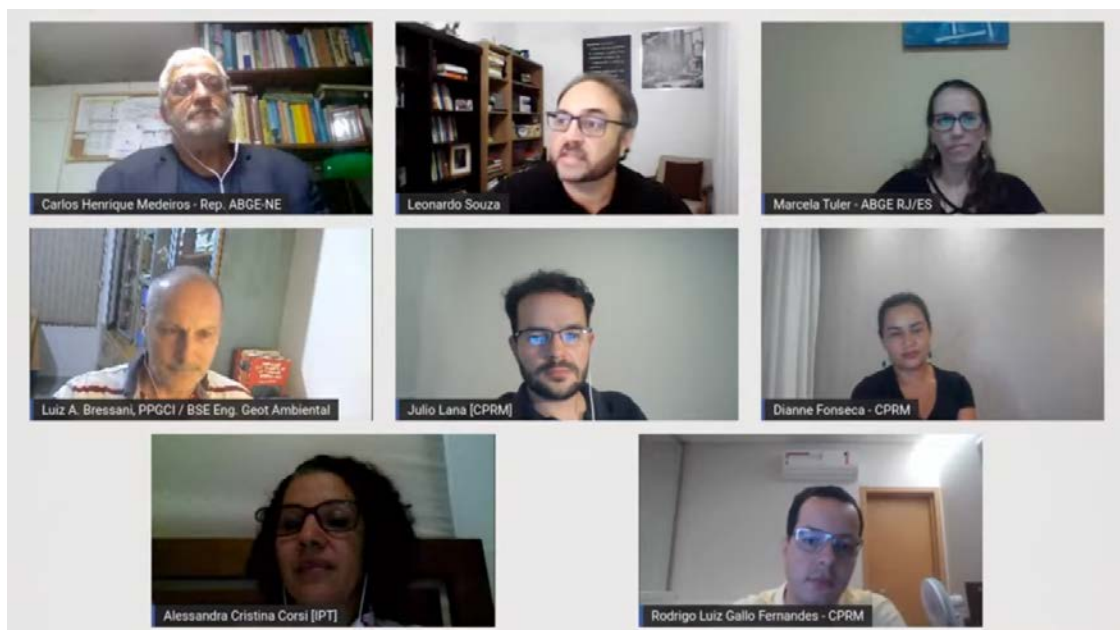
The great interaction with the participating audience through live chat, with questions answered by the speakers, and 620 certificates issued by ABGE were the most significant indicative of the success of the event.

The lectures were divided according to the different regions of the country: North, South, Midwest, Northeast and Southeast, each one comprising a regional section of ABGE. Topics and discussions were addressed on the main representative geological and geotechnical phenomena of each region and their management.

As it was an important milestone in the history of ABGE, the Workshop is planned to be transcribed and adapted to the ABGE journal - the Brazilian Journal of Engineering and Environmental Geology (RBGEA) - due to its important technical content on engineering geology and geological hazards areas management.

**First day – 10/03/2021:** It was presents a brief panorama of the geological and management variables associated with geological hazards throughout the country., All regional sections contributed with their rich experiences promoting an unique interaction in the history of ABGE, bringing together professionals acting on geological risk from all over Brazil in a special round-table with live debates encouraged by the questions of the participants.

PhD. Alessandra Corsi (Institute of Technological Research of the State of São Paulo – IPT) talked about the main types of geological hazard processes such as mass movements, expansiveness and collapsivity of soils in inner-state, besides presenting the management schemes for the potential and affected areas. Following, the Eng. Luiz Antônio Bressani, professor at the Federal University of Rio Grande do Sul (UFRGS) shared his experience in identifying the types of natural geological hazards. Geol. Marcela Tuler (GEORIO Foundation of the City of Rio de Janeiro), representing the Regional Section of Rio de Janeiro/Espírito Santo, included in her speech the challenges of gender and race in carrying out egalitarian work and the lack of public incentives. Representing the Minas Gerais Regional Section, Geol. Julio Cesar Lana (Geological Service of Brazil – CPRM/MG), talked about geological hazards in the State of Minas Gerais and how CPRM has contributed for the mapping it. Eng. Carlos Henrique Medeiros (Geo Engenharia Ltd.) spoke about ABGE's history in the scenario of geological hazards in the State of Bahia, specifically in the city of Salvador. Geol. Rodrigo Luiz Gallo Fernandes (CPRM/GO), representing the Midwest Regional Center objectively presented the summary of the geological hazards in the states of Goiás (floods and erosion), Mato Grosso (toppling and landslides) and Mato Grosso do Sul (flood). Dianne Fonseca (President of the North Regional Section of ABGE and represent Geological Service of Brazil - CPRM / Pará) presented an overview of geological and hydrological hazards in Amazon region. The controversial themes of estuarine hazards were addressed, in addition to the technically intriguing themes of “fallen lands” and “floating islands”, common phenomena of the northern region of Brazil and little studied by geologists and geotechnical professionals from other regions.



**Second day – 17/03/2021** – There was specific presentations of Midwest Regional and Rio de Janeiro/ Espírito Santo Sections. Eng. Rafael Machado (agent of the National Secretariat for Protection and



ASSOCIAÇÃO BRASILEIRA DE  
GEOLOGIA DE ENGENHARIA  
E AMBIENTAL

## Como funciona o SINPDEC?

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Decreto 10.593/2020

Art. 3º O SINPDEC tem por objetivo atuar no planejamento, **na articulação e na coordenação** das ações de gerenciamento de **riscos e de desastres** no território nacional.





São Paulo section was represented by PhD. Claudio Ferreira (Geological Institute – IG) and 1st Lieutenant Matheus Roncatto (Civil Defense of State of São Paulo). PhD Claudio addressed the dynamics of geological hazards in São Paulo State and the cartographic products. 1st Lieutenant Matheus presented the main cartographic products that should be used for control and management of the territory and the Preventive Plan of Civil Defense, which aims to establish an intensified monitoring of the cities during the rainy months of December to March, in addition to supporting them in case of occurrence of events.





**Fourth day** – 31/03/2021. On the last day of the event there was the emblematic meeting between the South and North Regional Sections, demonstrating the vast contrast of realities and management needs related to geological hazards in Brazil. Geol. Íris Celeste Bandeira (CPRM - Pará) talked about a specific process of the Amazon region, called “fallen lands”, and its impacts of anthropic intervention, also mentioning the importance of social and town planning agents in the management dynamics of geological hazards areas.



The South Regional Section (states of Rio Grande do Sul, Santa Catarina and Paraná), was represented by Geol. Fabiane Acordes (State Coordination of Civil Defense of Paraná - CEPDEC/PR), who presented a report on the learning, progress and challenges in disaster management in the State of Paraná, and Geol. Vitor Müller (Civil Defense of Santa Catarina), with a report on the experiences, occurrences and hazard management in the state of Santa Catarina.



## CHINA

### **Submit Forum on Geohazards Prevention—Qingdao, China, March 27, 2021**

Submit Forum on Geohazards Prevention was held in Qingdao, China on March 27, 2021. Professor Faquan WU (IAEG Secretary General) and Huiming TANG (IAEG Vice President) were invited to attend the forum and give keynote reports respectively.

More than 100 special guests attended the forum, including the district mayor, the president of Qingdao University of Technology, Academician of Chinese Academy of Sciences, Academician of Russian Academy of Natural Sciences, well-known experts, scholars and technical consultants in China.

### **Decision to Postpone the 3rd SXFRG**

On the forum, Professor Bo Li from Shaoxing University announced the decision to postpone the 3rd SXFRG (Shaoxing International Forum on Rock Mechanics and Engineering Geology), due to the fact that COVID-19 has not been effectively controlled in some countries and regions. In order to cooperate with the epidemic prevention and control, achieve effective communication and ensure the effect of the forum, the Organizing Committee of SXFRG decided to postpone the forum to October 2022 after careful consideration.





Prof. Faquan WU (IAEG SG)



Prof. Huiming TANG (IAEG Vice President)



Group Photo

### **Professor Faquan WU Elected the Lecturer of the 5th Gu Dezhen Lecture**

At the 11th director's working meeting of the Engineering Geology Committee, Professor Faquan WU was elected the lecturer of the 5th Gu Dezhen Lecture to be held in November 2021.

Gu Dezhen Lecture commemorates one of the founders of China's engineering geology, the founder of the theoretical system of rock mass engineering geomechanics, the founding convener and the first chairman of the engineering geology Committee of the Chinese Geological Society, the first chairman of the Chinese national group of the International Association of engineering geology and environment (IAEG), and the first chairman of the hydrogeological engineering geology research office of the former Institute of geology, Chinese Academy of Sciences Gu Dezhen, director and member of the academic department of the Chinese Academy of Sciences, is the highest academic activity in the field of engineering geology.



## 2020 Black Friday Report

Kind of insignificant amid the COVID-19 outbreak around the world, the 2020 Taiwan Black Friday was held on November 13th in Hua Shan Din bistro, Taipei City. Benefit from the implement measures of Taiwan government, the transmission of COVID-19 pandemic was controlled effectively therefore most Taiwanese can live normally instead of being in isolation or quarantine. That's the reason why our Black Friday in November 2020 could be held. All the participants in the gathering cherished this opportunity to have a reunion and meet old friends those who work in engineering geology and geotechnical field.

The history of the Black Friday in Taiwan has an interesting story. In 1967, a young man named Ju-Jiang Hung, who came from Taiwan to ask for advanced studies in King's College London and Royal school of mines, was invited to join a special gathering – "The Black Friday". The Black Friday gathering was initiated by United Kingdom engineering geologists and geotechnical engineers and had already lasted longer more than a hundred years. They chatted and exchanged experiences freely with beers and snacks all the night. Sometimes students came as well, especially those who were about to graduate. The gathering made professionals find fresh blood, graduates hunt for jobs, and it was just an additional purpose of this gathering. The atmosphere of academic freedom and open-minded exchanges between people in the Black Friday gathering had deeply impressed Hung so much. After finishing study in UK, Hung initiated a small Black Friday gathering in a British pub which was run by a British boss in Tianmu, Taipei city in 1970s. Several colleagues and friends in engineering geology and geotechnical engineering field participated this small gathering, and that's the beginning of The Black Friday event in Taiwan. But afterwards, this gathering was usually suspended because of two reasons: first, the British pub went out of business, and second, no regular organiser could take over these gatherings. However, the story did not end. Some succeeding volunteers such as Mr. Szu-Yiu Sun, representative of SUNPRO Engineering Consultants, Company Ltd. and Mr. Li-Jan Sun, representative of United Geotech, Inc., have continued this meaningful tradition and driven it with friends in this field for nearly past two decades.

Back to the daytime on November 13th, 2020, the Geotech Union held a geological trip in Zhongzhi village in Wulai District, New Taipei city. The severe Typhoon Soudelor in July 2015 hit northern Taiwan and caused serious disasters. Wulai District was one of the most disastrous stricken areas. Villages were out of water and power and lots of buildings or dwellings were damaged that caused residents displaced. The access roads were interrupted, resulting in islanding effect. In other word, Wulai District was just like an isolated island where rescuers can barely reach there. A threatening debris flow also occurred in Zhongzhi village during Typhoon Soudelor period. The Central Geological Survey (CGS) and the Soil and Water Conservation Bureau (SWCB) spent lots of efforts to investigate the geological hazards and remediate the debris flow torrents. Five years later, the Geotech Union visited Zhongzhi village once again. Researchers and engineers who had ever taken part in working in Zhongzhi village were invited to introduce and guide participants in this fieldtrip.

When night fell, two speeches about the geological investigation and the remediation experiences in Zhongzhi village were delivered at the Black Friday party by Dr. Hsi-Hung Lin (from CGS) and General Manager Chao-Wei Chen (from Land Engineering Consultants Co., LTD). Dr. Hsi-Hung Lin shared the findings from field geological investigations after Typhoon Soudelor. Dr. Lin and his group found that there was a large-scale dip slope with thick regolith layer on it, and proposed that the mechanism of slope failure could be a regolith slide. General Manager Chao-Wei Chen introduced the remediation consequents of slope stabilization and debris flow torrent remedying. They stabilized the slopes

which in both side of the torrent and ameliorated the hydraulic gradient of stream, as well as designed the drainage system to release groundwater. Lots of questions and issues were raised freely from participants during speech times.

At the end of party, a big birthday cake as a surprising celebration for the participants whose birthdays are on November was shared, and all the members took group photos together to commemorate the party. Just like COVID-19, we would never know what will happen tomorrow. All we can do is to follow pandemic restrictions and to grasp the moment. We sincerely hope that the whole world can get through difficult times. Wish we may have the next Black Friday Party on Aug 2021.



In the daytime of November 13th, 2020, the Geotech Union held a geological trip in Zhongzhi village in Wulai District, New Taipei city.



In the invited speeches, Dr. Hsi-Hung Lin and General Manager Chao-Wei Chen share the geological investigation and remediation experiences in Zhongzhi village.



In the invited speeches, Dr. Hsi-Hung Lin and General Manager Chao-Wei Chen share the geological investigation and remediation experiences in Zhongzhi village.





Group photo taken at the Black Friday party held on 13th, November, 2020.

## COLUMBIA

### XIII International Symposium on Landslides- XIII ISL 2021

This event was held virtually from February 22 to 26, 2021, with the support of the Joint Technical Committee on Natural Slopes and Landslides (JTC1) and the Federation of International Geo-engineering Societies (FedIGS), which groups the International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE), the International Society of Rock Mechanics (ISRM), and the International Association of Engineering Geology (IAEG). This event was originally scheduled to be held in face-to-face mode in Cartagena, Colombia in June 2020, but due to the SARS-CoV-2 pandemic it had to be postponed for eight months and rescheduled in a virtual platform.

The virtual conference included the presentation of eleven (11) Keynote Lectures by Marta Lucía Calvache (Colombia), Jordi Corominas (Spain), Giovanni B. Crosta (Italy), Ken Ho (Hong Kong), Sergio Mora (Costa Rica), Charles Wang Wai Ng (Hong Kong), Dave Petley (England), Luciano Picarelli (Italy), Núria Pinyol (Spain), Ikuo Towhata (Japan), and Cees van Westen (Netherlands).

In summary, 265 attendees from 34 countries participated, 77 of them students, 53 masters and doctorates, 24 undergraduates, 88 professors and 100 professionals. 17 sessions were held on 5 topics in 5 days of conferences, where 102 videos of 114 accepted papers were presented, 27 papers in Weather and Landslides, 6 papers in Landslides and Seismo-Tectonic and Volcanic Activity, 8 papers in Landslides and Human Activities, 14 papers in Effects of Landslides with Emphasis on Infrastructure and Sustainable Development and 59 papers in Landslide Risk Assessment and Management.

The 11 main conferences and the 114 papers are available as open access in the ISSMGE Online Library, with the following link and in the 'Database' field select other':

<https://www.issmge.org/publications/online-library>.

The international Symposium on Landslides has a long and successful history that has brought geoscientists and other interested people together for four decades around the common theme of landslides. The Symposium started in 1972 in Kyoto, Japan followed by a successful series of

Symposiums, leading to the most recent editions in Rio de Janeiro, Brazil (IX ISL 2004), Xi'an, China (X ISL 2008), in Alberta, Canada (XI ISL 2012), and in Naples, Italy (XII ISL 2016). The XIII ISL is designed as

the meeting point for engineers, geologists, geoscientists, planners, economists and decision makers on the common topic of landslides and their impact on Society and Environment.

### **Webinar FELA**

Between November 27 and December 4, 2020 three (3) Webinars were presented on "Geotechnical Finite Element Limit Analysis (FELA)", according to research carried out in theoretical and computational geomechanics, among other topics, by Professor Kristian Krabbenhøft, MSc and PhD from Technical University of Denmark and Professor at the University of Liverpool (UK), who was in charge of the main conference; the other two (2) conferences were held by Professors Lluís Casals Roige from Spain and Edgard Barbosa Cruz from Colombia.

The objective of this free event was to promote and disseminate knowledge of new research of general interest among our associates. It had the participation of 130 attendees, 107 of them from Colombia, 7 from Argentina, 4 from Guatemala, 4 from Mexico, 3 from Peru and 1 from Chile, Venezuela, Spain, Germany and the United Kingdom.

### **Upcoming events:**

**XVII Colombian Congress of Geotechnics and I International Seminar of Geotechnics-Cartagena. Event to be held every 4 years in that city, with the endorsement of the ISSMGE.**

These events were scheduled to be held in-person mode in November 2021 in the city of Cartagena, but anticipating the continuity of restrictions due to the contagion of COVID-19, the events were postponed to April 2022. It is planned to invite for the Conference Opening "Juan Montero Olarte" to Professor Ken Ho, Deputy Director of the Hong-Kong Geotechnical Engineering Office.

### **VI Pan-American Landslide Symposium**

This Symposium is coordinated by the South American Committee of Mass Movements-CSMM, where Colombia exercises the Permanent Secretariat, and was postponed due to the Pandemic for the year 2022 or 2023, where it is expected to present the update of the Regional Inventory of Landslides at the South American level with application to the Hazard Assessment and Risk Management in the Region by the CSMM. The updating of the Landslide Inventory is planned to be carried out in the following way: Colombia would assume the coordination of the North Andean part (Venezuela, Colombia and Ecuador) and the remaining Andean countries in charge of Chile and Peru.

## **CROTIA**

In the work of the Engineering Geology Section of Croatian Geological Society (CGS), 27 active members participated in 2020 who are also members of the Croatian National Group (CNG) of the International Society IAEG (International Association for Engineering Geology and Environment).

### **Elections for the leader of the Engineering Geology Section of CGS**

According to Article 19 of the CGS Statute, the chair of the Engineering Geology Section of CGS is elected by the CGS General Assembly. At the 36th regular assembly of the Croatian Geological Society, held on 10 December 2019, Ivan Kosović was re-elected as the president of the Engineering Geology Section of CGS.

Croatian Geological Society, established in 1951, is a voluntary professional association of geologists and persons interested in geology and natural heritage, including the institutions from the field of Earth sciences. The aim and purpose of the Society is the promotion of geological science and practice, and the development of geology as the field of Natural science and engineering. Particularly important mission of the Society is the development of professional and scientific work in the field of Geology, dissemination of geological knowledge, and scientific and professional specialization of our members and Society as well.

Activities of the Society are: Organization of internal and public scientific conferences, organization of professional meetings, excursions and workshops, monitoring of the development and position of geology in education, publishing of scientific and professional papers in Croatian and foreign

publications, gathering of students from different educational institutions, public discussions, popularization of geology in the public and developing of professional responsibility and ethic in geosciences.

### **Elections for the leader of the Croatian National Group (CNG)**

At the meeting of the Croatian National Group of the IAEG and Engineering Geology Section of CGS, held on 28 February 2020, elections were held for a new CNG leader. Thirteen members were present at the meeting. Three weeks before the meeting, all members were notified of the election for the new leadership. An invitation was also sent to members to run for the election of a new CNG leader and secretary. Two candidacies arrived by e-mail. The candidacy of the current head Ivan Kosović, BSc., employed in the Department of Hydrogeology and Engineering Geology of the Croatian Geological Survey, and the secretary candidacy of Lovorka Librić, PhD, assistant professor, employed in the Department of Geotechnics, Faculty of Civil Engineering, University of Zagreb. The candidates briefly introduced themselves to the members and a vote was taken. Ivan Kosović, BSc. and Lovorka Librić, PhD, were unanimously elected as the new CNG leader and secretary.

### **Visit by the Vice President of the IAEG**

IAEG Vice President Assistant Prof. Vassilis Marinou visited Zagreb on March 10, 2020, where he gave a lecture and held a meeting with members of the Croatian National Group.

All members were sent a notice of a lecture by Professor Vassilis Marinou organized by the Engineering Geology Section of the CGS and the Croatian National Group IAEG. Lecture was titled „The importance of the engineering geological differentiations in application of GSI in the Hoek-Brown failure criteria for Rock Engineering Design”.

After the lecture, a meeting was held in the Croatian Geological Survey with members of the Engineering Geology Section of the CGS and the Croatian National Group IAEG, where professor Marinou informed us about the activities and plans for the future (pictures 1-4).





## Members' activities

In 2020, members published scientific and professional papers, participated in online lectures, conferences and workshops. Several members are leaders of international research projects co-financed by EU funds and research projects funded by the Croatian Science Foundation.

The main goal of our members is to establish and encourage cooperation with colleagues in the field of applied geology and to actively participate in the popularization of engineering geology, especially among younger colleagues, students and companies interested in applying the knowledge and skills of our members in their business.

Unfortunately, in 2020, two strong earthquakes struck the wider area of Zagreb.

### Zagreb earthquake

On 22 March 2020, Zagreb was struck by an M5.5 earthquake that had been expected for more than 100 years and revealed all the failures in the construction of residential buildings in the Croatian capital, especially those built in the first half of the 20th century. The earthquake hit the city center hardest, and the initial information indicated that the damage was great. Much damage to the cultural and historical architectural heritage of the city of Zagreb was reported, with severe damage to the south tower of Zagreb Cathedral. About 16,555 residential, public and monumental buildings were damaged.

A paper on this topic has been published: Markušić, S., Stanko, D., Korbar, T., Belić, N., Penava, D. & Kordić, B. The Zagreb (Croatia) M5.5 Earthquake on 22 March 2020, *Geosciences* 2020, 10, 252. (doi:10.3390/geosciences1007025).

### Petrinja earthquake

The most recent earthquake series with major stroke near Petrinja, and triggered extensive ground failures in the wider area of Petrinja, Sisak and Glin. The strongest destructive M6.4 earthquake occurred on 29th December 2020, at 12:19 local time with an epicentre in the village of Strašnik, 6 km SW of Petrinja at a preliminary estimated hypocentre depth of 10 km. Coseismic ground failures like subsidence dolines, liquefaction and landslides were documented on large areas by various experts and teams. The shaking of the ground caused by the Petrinja earthquake series triggered rapid development dropout dolines in the wider Mečenčani area (Picture 5), about 20 km SE of the mainshock epicentre. Subsidence dolines are one of the numerous examples of earthquake consequences. In this type of dolines, cover sediments are evacuated downwards through solution pipes in the bedrock creating a void at the bedrock-sediment contact that enlarges by upwards propagation through the clastic coverbeds.



Dropout dolines in Mečenčani village: a) endangering adjacent houses, b) the biggest doline, more than 20m in diameter and about 12 m deep. From: *The preliminary inventory of coseismic ground failures related to December 2020 – January 2021 Petrinja earthquake series*, In press.

## CZECH

The IAEG Czech National Group has 25 members now, the group of 11 members from that is with the Bulletin. Members of IAEG Czech National Group are in contact with the other professional organisations in the scope of view of geology and geotechnics. It is especially with The Czech Association of Engineering Geologists (CAIG), where some members of The IAEG Czech National Group work in the board of CAIG now, but also with The Czech Geological Society, The Czech Geotechnical Society and The Czech Chamber of Authorized Engineers.

Members of IAEG Czech National Group are involved in organisation of traditional seminars of engineering geology held periodically each month during the academic year at Faculty of Science, Charles University in Prague in the Czech Republic. This year it has been very difficult due to coronavirus pandemic. Since spring the members have been in contact only online.

Members of the IAEG Czech National Group were involved in elaboration of new Czech technical standard "Ground investigation". Since the standard has been published the feedback from practice is very good. There is now a broad discussion with experts in the field of geotechnics on the definition of topics belonging in accordance with the applicable legislation to specialists in engineering geology and topics belonging to specialists in the field of geotechnics.

Members of The IAEG Czech National Group, Pavel Pospíšil and Jan Novotný, are involved as authors into amendment of Technical standard of "Ground investigation for motorways" prepared for Ministry of transport of the Czech Republic. Finishing of this work has been postponed until this year. Similarly, to discussion mentioned above we discussed the role of engineering geologists in the process of ground investigation. Members are also involved in education of engineering geologists and geotechnicians at Czech universities.

## FRANCE

### REGULAR SCIENTIFIC AND TECHNICAL SEMINARS

#### 1. February 6th, 2020 excavated Land and Circular Economy

- Reminder of the regulatory and methodological context applicable to excavated soil (Pascale Michel, BRGM)
- Management of land and inert waste off site: backfilling of quarries and landfills (Anthony Cherel, Burgeap)
- Optimization and solutions: case of the former Ecole Centrale de Chatenay-Malabry (Guillaume Frelat, Burgeap)
- Sediments from dams and ports, from waste to resource (Frédéric Haurine, GEOPS, Université Paris-Saclay)
- Example of valuation of excavated soil from earthworks (Sandrine Augy, ERG)
- Management of mine tailings: reprocessing study case, discussion and perspectives (Françoise Bodenan, BRGM)
- Reuse of excavation materials from the Lyon Turin base tunnel as aggregates for concrete (Isabelle Moulin & Antoine Faure, LERM)
- Optimize the management of excavated soil by centralizing supply and demand for materials (Coline Eychene & Gabriela Prunier, Hesus)

#### 2. March 8th, 2020 : « Soft Rocks and stiff soils » in association with French Groups of Rock Mechanics and Soil Mechanics : postponed to 18 mars 2021 due to Covid 19 crisis

3. April 8th, 2020 : « Notre Dame de Paris et its stones » postponed to April 15th, 2021 due to Covid 19 crisis
  4. July, 1st to 3d, 2020 : National Conference on Geology and Geotechnics (JNGG), postponed to 2d and 3th November, then cancelled, due to Covid 19 crisis
  5. September 15th, 2021 « Tribute to Pierre Habib », in association with French Groups of Rock Mechanics and Soil Mechanics, postponed to September, 2021 due to Covid 19 crisis
  6. October 8th, 2020 « Alteration of built heritage stones” in association with French Group of Rock Mechanics (webinar)
    - Influence of the physico-mechanical properties of clay minerals in the weathering of monumental stones Mathilde Thiennot (LRMH)
    - Thermo-Hydro-Chemo-Mechanical fatigue of historic buildings: between myths and reality Dashnor Hoxha (Lamé Laboratory, University of Orleans)
    - Characterization of alterations in building stones - case studies François Rassineux (ERM Materials Research Studies)
    - Alteration of building stones used in built heritage under the effect of high temperatures Martin Vigroux (CTMNC-Technical Center for Natural Building Materials)
    - Non-destructive monitoring of marble alteration by acoustic methods, Nicolas Wilkie-Chancellier (SATIE Laboratory, University of Cergy-Pontoise)
  7. October 12th, 2020: “Presentation of the candidates to Jean Goguel’s Prize”, webinar
    - Mathieu Lebreton – Monitoring of unstable slopes using a dense network of RFID sensors : new applications
    - Flavien Chapuis – Building a new statistical model of aging for underground railway structures
- The Jean Goguel’s Prize was attributed to both candidates and their work will be presented during the JNGG e-session on November 3d, 2020.
8. December 3rd, 2020 “Changes in soils”
    - Review of the conference organized on November 21 by the SBGIMR on the theme "Building on altered / evolving rocks" Fanny Descamps (SBGIMR)
    - Geotechnical monitoring of underground quarries Jean-Marc Watelet (INERIS)
    - Jet grouting works for the RER C Thibault Hoareau (Solétanche Bachy)

## **PARTNERSHIP WITH SISTER SOCIETIES**

The IAEG National Group of France continues developing partnerships with other scientific or technical groups in the field of geosciences (SGF, the French Geological Society), hydrogeological sciences (CFH, the French national group of AIH-IAH), mechanical sciences (CFMS: the French group of ISSMGE, CFMR: the French group of ISRM; AFTES: the French group of AITES-ITA), materials and minerals (SIM, Society of Mineral Industry).

## **GEORGIA**

First of all, we would like to send our warmest regards to the IAEG. There are professionals gathered in the National Group of Georgia. There are representatives from the Institute of Hydrogeology and Engineering Geology, Georgian Technical University, LTD “GeoTechService” and LTD “GeoEngineering.” Members of Georgian National Group work on various themes such as: Evaluation of collapsible ground in Georgia, Evaluation engineering geological conditions of the coasts of the Black Sea,

landslide and mudflow hazard assessment in Georgia. Moreover, members from LTDs work to make comprehensive engineering geological surveys and then make detailed geological report about them.

Here are the limited scientific proceedings, as well as different kinds of projects done by our members in 2020. We should mention that due to COVID-19 pandemic the situation in our field of works have been changed dramatically. We hope to meet each other in face-to-face in 2021.

List of works down below:

- Catastrophic debris flows in Kazbegi Mountain area, Georgia–use of available free internet information as a source to generate conceptual engineering geological model, ISSN 1344-9656, Special Issue on: Engineering Geology and Geotechniques for Developing Countries, Prague, International Association of Lowland Technology (IALT), pp.1-16, [http://cot.unhas.ac.id/journals/index.php/ialt\\_lti/article/view/805](http://cot.unhas.ac.id/journals/index.php/ialt_lti/article/view/805)
- Control of soil erosion measures on mountain slopes DOI:[http://doi.org/10.22438/jeb41/2\(SI\)JEB-19](http://doi.org/10.22438/jeb41/2(SI)JEB-19) Journal of Environmental Biology (JEB), 2020. vol. 41. #2, India, Triveni Enterprises, Impact Factor: 0.781, pp.405-412;
- Landslide and Mudflow Hazard Assessment in Georgia, Building Knowledge for Geohazard Assessment and Management in the Caucasus and other Orogenic Regions, NATO Science for Peace and Security Series C: Environmental Security, © Springer Nature B.V. pp. 265-279-16, [https://link.springer.com/chapter/10.1007/978-94-024-2046-3\\_14](https://link.springer.com/chapter/10.1007/978-94-024-2046-3_14)
- Preliminary Results of Site Effects Assessment in Mtskheta (Georgia), Building Knowledge for Geohazard Assessment and Management in the Caucasus and other Orogenic Regions, NATO Science for Peace and Security Series C: Environmental Security © Springer Nature B.V. pp. 345-365, [https://link.springer.com/chapter/10.1007/978-94-024-2046-3\\_19](https://link.springer.com/chapter/10.1007/978-94-024-2046-3_19)
- Evaluation of Collapsibility of Loess-like Silts from the Eastern Part of Georgia, Second International Scientific Conference of Young Scientists and Specialist. 10.13140/RG.2.2.33059.60965
- Engineering-geological Survey of Loess-like Soils from the Mid-stream of the Kura River, 6th International Scientific-Practical Conference on Up-to-date Problems of Geology.
- Evaluation The Impact of Current Anthropogenic Geological Formations on The Environment: Implications for The Improvement of Ecological Conditions of Georgia, 6th International Scientific-Practical Conference on Up-to-date Problems of Geology.
- Informational bulletin: Condition of development of geological processes in Georgia, results of activation in 019 and danger of risk by 2020 - summarizing geological report, Ministry of Environment Protection and Agriculture of Georgia, National Environmental Agency, Department of Geology, Tbilisi, 2020, 492 pages;
- A review of dangerous geological events alongside the roundabout railway of Tbilisi, Georgian Technical University Proceedings, Georgian Technical University Publishing.
- Mathematical Model Methods in Geology and Ecology. Georgian Technical University Proceedings, Georgian Technical University Publishing. 10.36073/1512-0996-2019-3-29-39
- Flood Protection Measures on the River Tskhenistskali in the Village Pirveli Maisi, Engineering-Geological Investigation.
- Rehabilitation of Derivation Channel on River Achkva in Kobuleti. Engineering-Geological Investigation.
- Martvili Municipality, Village Zhoneti. Bridge on River Tsachkhura, km 4 of the Salkhino-Access to Dadiani Residential State Category Road. Engineering-Geological Investigation.
- Bakurtsikhe-Tsnori Bypass Road Construction. Engineering-Geological Investigation.
- Geological and Engineering-Geological Mapping, Geophysical and Detailed Engineering-Geological Investigations of Construction Territories of Roshka 1, 2, 3 HPPs.
- Rehabilitation of Derivation Channel on River Achkva in Kobuleti. Engineering-Geological Investigation.

- Geological and Engineering-Geological Mapping, Geophysical and Detailed Engineering-Geological Investigations for 200kV Bitekhi 1 HPP Construction Site. Alternative 1 and Alternative 2.
- Tbilisi Bypass Road LOT 4, 5 and 6. Engineering-Geological Investigation.

## GREECE

The National Group of Greece has 93 members. Amongst them, 28 are receiving the Bulletin of Engineering Geology and the Environment. Sixteen (16) new, young (<40 years) members were enrolled in 2020.

The directive committee of the Greek National Group is the following:

Chairman: C. Loupasakis, Secretary: C. Saroglou, Treasurer: A. Kaplanidis, Members: V. Marinos and G. Stoumpos. The Greek National Group of IAEG organizes and will host in Athens, Greece the 3rd European Regional Conference of IAEG. 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. The conference will be organized with the collection of extensive abstracts and full papers. More details about the 3rd European Regional Conference, the call of abstracts and full paper and the registration are available in the conference website (<http://euroengeo2020.org>).

The Greek NG has organised one invited lecture during 2020, at December 2020, given from Ass. Prof. N. Depountis, from the University of Patras, on "Development of systems for monitoring of landslide movements and their use for the precognition of failures. The case of Metsovo village, Epirus". The lectures were well participated by the members of our National Group but also from colleagues from other disciplines.

The committee of the National Group of Greece is in continuous contact with its members and informs them for congresses, scientific meetings, lectures and engineering geological developments. Apart from this continuous communication by e-mail, the official website of the Greek National Group ([www.eetg.gr](http://www.eetg.gr)) is updated with the activities, news and other information related to Engineering Geology in Greece. Information related to the application for becoming a member of the Greek IAEG National Group is also given in the website.

The national group of Greece has fulfilled its financial obligations to the IAEG until 2020.

## ITALY

In 2020, the Italian National Group of IAEG includes a total number of 91 members, with a slight improvement with respect to the last year, by five new subscriptions.

The 2020 has been marred by the COVID pandemic emergency and a large part of planned activities had to be postponed or canceled.

Just before the first national lock down (started in Italy at the end of February), the IAEG Italian National Group organized a workshop in Potenza (Basilicata region, south of Italy) dedicated to rockfalls with a good number of participants.

In March, the first lock down rules stopped a large part of activities and canceled all public meetings.

During the first lock down (March – June), the IAEG Italian National Group organized two series of webinars dedicated to engineering geology and geomatics in cooperation con SIFET (the Italian Society of Photogrammetry and Topography). The access to webinars was free of charge and the IAEG obtained from the National Council of Professional Order of Geologists the recognition of official training credits.

Official training credits released by Professional Orders are important for Italian private practitioners because they have to collect every year a defined number of credits to be compliant with the continuing training program. Usually, these credits can be accumulated participating to paid courses, but the IAEG and SIFET proposed two sequences of ten free courses.

The topics proposed in these courses were GNSS, UAV, sinkholes, photogrammetry, engineering geology and cultural heritage, GIS.



The total number of inscriptions to the proposed sequence of courses has been more than 3.000 that certified the good success of this initiative and the dedication of the IAEG to disseminate the engineering geology culture and help practitioners during the critical phase of the lock down.

## NETHERLANDS

In The Netherlands the IAEG is represented by the **INGEOKRING**, which is the specialist group of Engineering Geologists in the Netherlands. The INGEOKRING represents the IAEG and the ISRM (International Society of Rock Mechanics) in the Netherlands and is furthermore connected to the KNGMG (Royal Geological and Mining Society of The Netherlands). In 2020 the group has 150 members, of which 31 are member of the IAEG.

The INGEOKRING maintains a website: <https://www.ingeokring.nl/>. On the website one can find online copies of the INGEOKRING Newsletter journals that have been published.

The INGEOKRING board consisted in 2020 of: Dr. ir. Siefko Slob (chairman), Dr.ir. Anne-Catherine Dieudonné (secretary), Dr.ir. Ahmed Elkadi (treasurer), Dr. ir. Dominique Ngan-Tillard (member, ISRM representative), Dr. Peter Verhoef (member, IAEG representative), ir. John Adrichem (member), ir. William Munsterman (website master), and a student representative of Delft University of Technology (TU Delft).

The INGEOKRING members are well represented in the Dutch civil engineering and offshore industries and the board sees it as its duty to maintain close contact with the students and staff of the Geo-Engineering section of the Faculty of Civil Engineering & Geosciences of Delft University of Technology (TU Delft). Students are always involved and invited to excursions, workshops and lectures organized.

In 2020 the activities of the Ingeokring were adapted to the circumstances of the Covid-19 pandemic. A general assembly meeting was held on February 20th, on the occasion of which past chairman Joost van der Schrier held an entertaining lecture "Sharing 30 years of practice in Engineering geology".

The yearly Autumn Ingeokring symposium was held as an on-line webinar on 3D Geomodelling. A report on this meeting is given in the Ingeokring Newsletter (Winter edition 20/2021); <https://www.ingeokring.nl/newsletter/editions-newsletter/>

## PORTUGAL

SPG organized the Annual General Assembly, which took place on the 30th September 2020 in Lisbon, Portugal, with the election of the new Board (2020-2024). The new Board started the activities on the 19th October 2021. According to the tradition, the Past President (left) gave the new President the symbolic #200 sieve.

The XXXVII Manuel Rocha Lecture, held on the 19th October 2020, Lisbon, was delivered presentially by Ing. José Mateus de Brito (TPF, Portugal), on "Judgment in the practice of Geotechnical Engineering". The event took place at the Gulbenkian Foundation Auditorium, in Lisbon with the presence of Manuel Rocha family.





The Webinar "Guide to Good Practices for Contracting Geotechnical Works Complex", was held on the 2th November in cooperation with the Engineers Order. Raúl Pistone, a member of IAEG and also the president of Portuguese Committee of Tunnels, was one of the speakers.

The 4th European Conference on Unsaturated Soils, E-UNSAT2020 - Unsaturated Horizons, took place from the 19th to the 21th October as an online event. The conference covered important societal themes such as: climatic changes and the effects on geotechnical structures; environmental geotechnics and soil contamination; nuclear waste storage; geo-energy; e low carbon footprint engineering. The participants from 40 countries, in a total of about 200, attended both online and at the auditorium.

The Webinar on Contamination of Soils and Water in mining areas took place on 2 sessions occupying the afternoon period on the 22th January and the 5 February 2021. There were more than 500 registrations and about 200 members attending each session. It was a multidisciplinary event that involved experts from Portugal, Brazil and Spain in the fields of geology, mining and environment engineering. It was a free access webinar sponsored by important Portuguese companies of the sector.

SPG Board is organizing a cycle of webinars in different areas of geotechnics. In each webinar a company presents a case study representative of the work in which the company applies novel methods. The first took place on the 10th February and the 2nd on the 24th February. There were more than 150 members attending the webinars, which are planned to happen every two weeks. The webinar is open to students and professionals who are not members and it aims to disseminate the activities of SPG and also to gather prospective members.

## ROMANIA

### Activities during 2019-2020:

General Assembly, 2020: due to the international pandemy the group changed informations on line.

Continuous support for the "Octogon", student association for Engineering Geology associated to the Faculty of Geology and Geophysics; active members of ARGJ presented in several sessions' aspects of their worldwide activity and support the summer field trips.

As members in the Technical Committee No. 6 „Geotechnics and Foundations”, in the Technical Committee No. 1 „Natural Hazards and Risks "of the Ministry of Regional Development and Public Administration, in the ASRO/CT 361 associated to CEN / TC 341 Geotechnical Investigation and Testing, or as Consultants in the ministerial Committee for Emergency Situations of the of the same Ministry, members of our group of engineering geology concur to elaboration of laws and regulations in these fields of activity.

## SERBIA

Serbian IAEG National Group members organized re-union on January 24, 2020, after resignation of President (Prof. D. Sunarić) and Secretary (Prof. S. Kostić) in August 2019. The IAEG NG Assembly were organized at the University of Belgrade, Faculty of Mining and Geology on February 07, 2020. The agenda of the Assembly meeting was concentrated on: (i) Election of the new President, Vice President and Secretary of NG, (ii) IAEG membership, (iii) Plans for future works including national IAEG meeting and (iv) Miscellaneous.

A total number of 29 group members present voted unanimously, Prof. Biljana Abolmasov for President, Vladimir Filipović for Vice President, Ass. Prof. Dušan Berisavljević for secretary, and additional seven members for NG board members (from academia and from industry). Information about IAEG membership fee (international) and local fee were discussed, as well as plans for next National IAEG Symposia. The Miscellaneous included discussion about invited lectures from Prof. Vassilis Marinos (IAEG Vice President for South Europe).

Unfortunately, during last year, Prof. Petar Lokin passed away on the 09 March 2020. He was the doyen in field of engineering geology, rock mechanics, and well-known professor and consultant for many generations of students and practitioners in Serbia and ex-Yugoslavia.

Because of COVID-19 and public lock-down and restriction after mid-March 2020, almost all planned NG activities were postponed completely, including invited lectures, local symposia, and other national and international activities. Some of the public restriction continued in 2021, both from University and industry.

The activities of President, Vice President and Secretary were mostly postponed, except personal or social/business activities which could take place on-line. Prof. B. Abolmasov became a member of BOEG Editorial Board, as well as a member of JTC1 Commission for Landslides and Engineering Slopes. Some of the Serbian NG members are active BOEG reviewers and authors.

We hope so that the most of NG activities will start in (or after) the 2nd quarter 2021, in the best case, including important meetings during EURO IAEG Symposia in Athens.

## SLOVAKIA

In 2020 the IAEG Slovak National Group (SNG) had 7 members (3 with and 4 without the Bulletin). The IAEG SNG is an independent part of the Slovak Association of Engineering Geologists (SAEG) which has 137 members ([www.saig.sk](http://www.saig.sk)). All scientific and educational activities of the SNG were coordinated with the activities of SAEG. President and secretary of the SNG is Martin Ondrášik, PhD. from Slovak University of Technology in Bratislava, Faculty of civil engineering, Department of Geotechnics.

In the year 2020 several national and international activities were planned. However, most of them were canceled because the pandemic situation caused by COVID-19. The only activity which our SNG



made before the pandemic was meeting with Dr. Vassilis Marinos, vice president of IAEG. During his visit in Bratislava he presented his lecture "Engineering geological evaluation for the geotechnical analysis and design of tunnels, with special emphasis to tunnel behaviour appraisal." and discussed with our members about his idea to restart regular meetings of European engineering geologists. To support this idea, he was organizing and promoting EuroEngeo2020, 3rd European regional conference of IAEG, planned to be kept in 2020 in Athens. Unfortunately, because of

the pandemic situation the original term was canceled, and the new term was set on October 7th 2021.

Our top event of the year was spouts to be the conference Engineering Geology organized on 18.-19 June in the opportunity of thirtieth anniversary of establishment of Slovak and Czech associations of engineering geologists. It was organized by the members of the two associations, including Slovak NG and Czech NG. The conference was planned to be in beautiful environment of High Tatra Mountains and over 100 people had registered to attend it. However,



because of the pandemic situation we had to decide to move the conference into a virtual space of Internet. By that time nobody of the organizing committee had experiences with organizing online conference. Finally, the online conference hold on June 18th was success and was appreciated by the online present participants from Czech and Slovak Republics. Although it was success and interesting experience, we hope that the next conference, which will be in two years, will be in the real, physical world.

Beside conference, also education of students in the Slovak universities moved into virtual space. All the sudden the Internet become crowded with virtual classrooms full of Slovak students and the teachers started to give their lectures to PC screens filled with multicolored bubbles. No backfield

reaction, only “Hi” at the beginning and “Goodbye” at the end. I really wonder, what new generation of geotechnics and engineering geologists will be raised by this virtual way? Covid generation? Excellent in IT and googling for answers but without any experiences from laboratories and field trips...

## SPAIN

In the beginning of 2020 (Feb 3) took place in the siege of the Association the General Assembly of AEGAIN with the assistance of the Board members and numerous associates.

After the President report, few items were approved regarding a campaign for catchment of young members, mainly directed to last year university students organizing info- journeys in the faculties.

A Symposium of Geoengineering of Archaeological Sites was approved for October 2020.

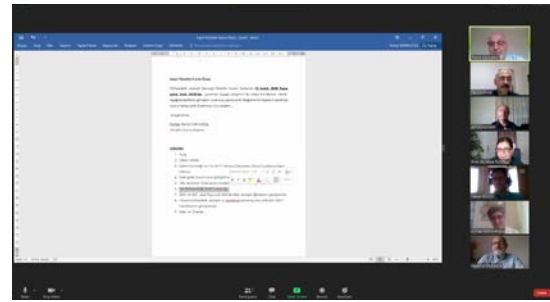
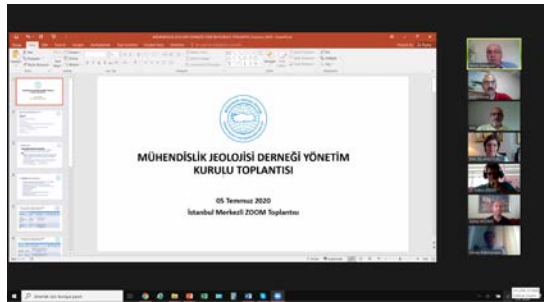
After the starting of Covid pandemic all activities were postponed until future date.

We hope to restart our activities in the second quarter of 2021.

## TURKEY

### 1. Meetings of the Executive Committee in 2020

Executive Committee of the Turkish Society of Engineering Geology had four meeting in 2020. The first meeting was held at Department of Geological Engineering, ITÜ in İstanbul at 10 am, on February 20. As the COVID'19 pandemia spread over all over the World, the following Executive Committee meetings were held on online in internet environment by using zoom program on April 23, July 5 and December 13.



View from the online meeting held on July 5, 2020. View from the online meeting held on December 13, 2020.

### 2. Visit from IAEG Vice President for Europe, Assoc. Dr. Vassilis P. Marinos to Turkish Society of Engineering Geology

IAEG Vice President for Europe, Assoc. Dr. Vassilis P. Marinos visited Turkish Society of Engineering Geology, between 19-21 February, 2020. He invited Engineering Geologist in Turkey to attend European Regional IAEG Conference to be held in Athens in 2021.

Assoc. Dr. Vassilis P. Marinos also gave a seminar on “*Engineering geological evaluation for the geotechnical analysis and design of tunnels, with special emphasis to tunnel behaviour appraisal*” in the Department of Geological Engineering in İstanbul Technical University on 20 February, 2020. There were audiences from universities and students in İstanbul, geological, mining and civil engineers from private companies attended the seminar.

The president of Turkish National Group of Engineering Geology, Prof. Dr. Remzi Karagüznel, gave an appreciation plaque to Assoc. Dr. Vassilis P. Marinos for his contribution by giving a seminar.





View from the seminar given by Dr. Vassilis P. Marinos (left)



An appreciation plaque given to Assoc. Dr. Vassilis P. Marinos by Prof. Dr. Remzi Karag zel (right)

### 3. Erguvanlı Engineering Geology Awards

The Erguvanlı Engineering Geology Awards are given to honor the memory of Prof. Dr. Kemal Erguvanlı, who is the founder of engineering geology in Turkey, and to promote outstanding young researchers in the field of engineering geology. The Erguvanlı Engineering Geology Awards are granted every year to encourage and promote young researchers in four categories: Graduation Projects, MSc Thesis, PhD Thesis and an outstanding paper published in peer reviewed international journals. Call for The Erguvanlı Awards was announced in March, 2020.



There were two applicants for Graduation Projects, three applicants for MSc Thesis, three applicants for PhD Thesis and five applicants for outstanding paper published in peer reviewed international journals. The awards of best works nominated in all categories were evaluated by independent jury members and, delivered to their addresses. The winners are as follows:

Graduation Project: Nuryıldız Şahiner, Elif Aksoy, Niyazi Mert Şener, (Hacettepe University)

MSc Thesis : Serdar ErdoĖan, (Mersin University)

PhD Thesis : Selma S l k  , (Hacettepe University)

Outstanding paper published in peer reviewed international journals: Hakan Ersoy, Murat Karahan, Kenan Geli li, Aykut Akg n, TuĖ e Anılan, M.OĖuz S nnetci, Bilgehan Kul Yah i

### 4. Symposium M HJEO'2021 / ENGGE0'2021

First circular and second circular of "Ulusal M hendislik Jeolojisi ve Jeoteknik Sempozyumu M HJEO'2021" – "National Symposium on Engineering Geology and Geotechnics – ENGGE0'2021" to be held in Istanbul Technical University, Istanbul city was prepared and delivered. The poster of Turkish version of the symposium is given below. The symposium language is in Turkish and in English.

The symposium web page is: <http://muhjeosemp2021.muhjeoder.org.tr/>

### 5. Site Investigation of 30th October 2020 Seferihisar (İzmir) Earthquake

An earthquake with a magnitude ( $M_w$ ) of 6.6 (AFAD, 2020), 6.9 (KOERI, 2020) occurred in 12 km North of Samos island, 35 km southwest of Seferihisar (İzmir) and 45 km west of Kuşadası (Aydın) in Aegean Sea at 14:51 (Turkish local time) on 30.10.2020. The hypocenter depth of the earthquake was given as 16.54 km by AFAD (2020) and 11.8 km by KOERI (2020). Some apartments having 7 floors and more collapsed in Born ova and Manavkuyu districts (70 km far from the epicenter) in İzmir city. Tsunami

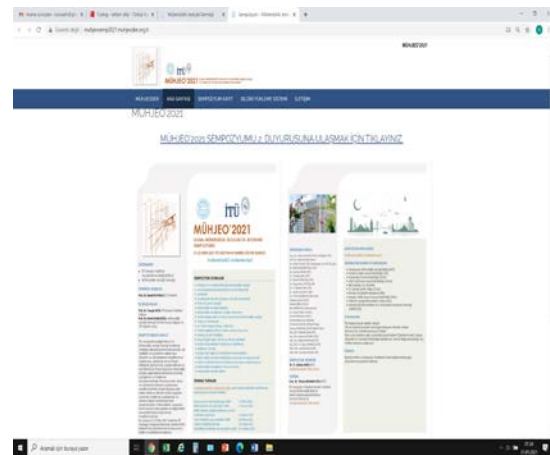


waves, having about 2m wave height, penetrated 20m inside lands between Kuşadası and Sığacık ports. There were 116 people death and 1034 people injured related to the earthquake.

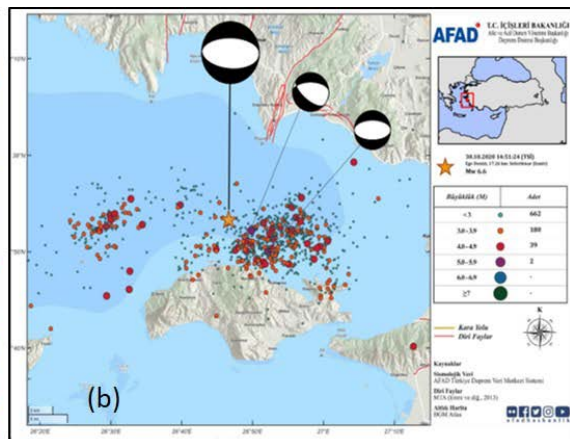
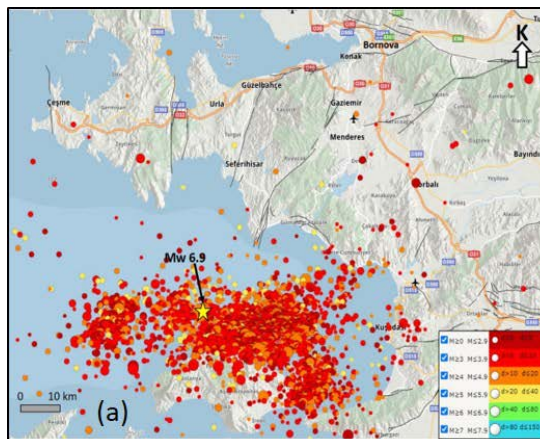
Secretary General of the Turkish National Group of Engineering Geology, Prof. Dr. Halil Kumsar and his colleague from Pamukkale University, Assoc. Prof. Dr. Barış Semiz, visited the earthquake sites. An Engineering Geological site investigation Report of the earthquake was prepared by Halil Kumsar, Ömer Aydan and Barış Semiz. This report was published in Turkish in the Volume 15 of Yer Mühendisliği /Geo-Engineering Journal.



Poster of ENGGEO'2021 symposium



View from web page of ENGGEO'2021 symposium



Epicenter locations of the Earthquake activity a) KOERI (2020) b) AFAD (2020)



Totally collapsed and damaged eight storey buildings



Heavily damaged port in Doğanbey (izmir)



Dragged boats on Siğacık port concrete by tsunami wave

## References

KOERI (2020). <http://www.koeri.boun.edu.tr/new/>

AFAD (2020). <https://deprem.afad.gov.tr/>

## 6. Webinars on Engineering Geology

In the process of the pandemic, which arose in China in December 2019 and spread all over the world, all planned organizations, including scientific meetings, were taken forward dates and repeatedly postponed. As part of the meetings that the Chamber of Geological Engineers of Turkey (JMO) had to postpone the 73rd Geological Congress of Turkey that was scheduled to take place in April 2020.

In this challenging process, JMO has organized WEBINARS in almost every sub-Science of Geology, offering the opportunity to maintain scientific exchange and interactions between JMO members and our colleagues. We sincerely thank our colleagues who have supported JMO management and webinars, which have made this difficult process efficient with minimal losses, and our members who have contributed as speakers on the following issues. We also express our gratitude and respect to all our colleagues who have created a scientific discussion platform with their participation, contributions and questions through zoom and Youtube.

- Assoc. Prof. Dr. Ayberk Kaya: Importance of Site Selection in Engineering Geology, 27.07, 2020, Trabzon
- Prof. Dr. Mahmut Mutlutürk: Natural Stone Management in Western Taurus, Geology And Environment, 11.07.2020, Antalya
- Prof. Dr. Remzi Karagüzel: Proposals for solutions to problems of unemployment and low wages in geological engineering, 23. 06. 2020, İzmir
- Prof. Dr. Aykut Akgün: Living with Landslides and the Importance of the Concept of "Civil Science", 25.06.2020, Trabzon
- Assoc. Prof. Dr. Hakan Ersoy: The Unchanging Fate of the Eastern Black Sea Floods, 24.06.2020, Trabzon
- Prof. Dr. Nihat Sinan Işık: Slope Stability Analysis Principles for Soils, 21.06.2020, Center
- Prof. Dr. Nihat Sinan Işık: Bearing Capacity and Settlement Analysis, 14.06.2020, Center



- Prof. Dr. Remzi Karag zel: Engineering Geology and Hydrogeology Research in the Planning and Design of Water Structures: Case Studies' Internet Interview, 11.06.2020, İstanbul
- Assoc. Prof. Dr. Mutluhan Akın: Modeling of Rock Fall Protection Structures Training, 07.06.2020, Center
- Prof. Dr. Mehmet Ekmek i: Water Resources Management: Approaches and Applications in Turkey, 28.05.2020, Center
- Assoc. Prof. Dr. Mutluhan Akın, G rel  zdemir, Mehmet İlker G rhanı: Two and Three Dimensional Rock Fall Current Applications and Improvement Methods in Analysis-numerical Altitude Model with UAV Online Training on Creation
- Assoc. Prof. Dr. B lent  zmen, Prof. Dr. Nihat Sinan I ık: Active Faults and Evaluation of Suitability for Settlement in Turkey, 23.05.2020, Central
- Prof. Dr. Re at Ulusay: Development of Engineering Geology from Past to Present in the World and in Our Country, 21.05.2020, Center
- Prof. Dr. Fatma G ltekin: Geothermal Fields of the Eastern Black Sea Region, 15.05.2020, Trabzon
- Prof. Dr. Tolga  an: Landslide Risk Assessment Processes, 10.05.2020, Center
- Prof. Dr. Atiye Tu ul: A Success Story in Geosciences Internet Interview, 09.05.2020, İstanbul
- Prof. Dr.  akir  im ek: Geothermal Potential of Turkey, 01.05.2020, İstanbul

#### 7. Publication of the Yer M hendisli i (Geo-Engineering) Bulletin

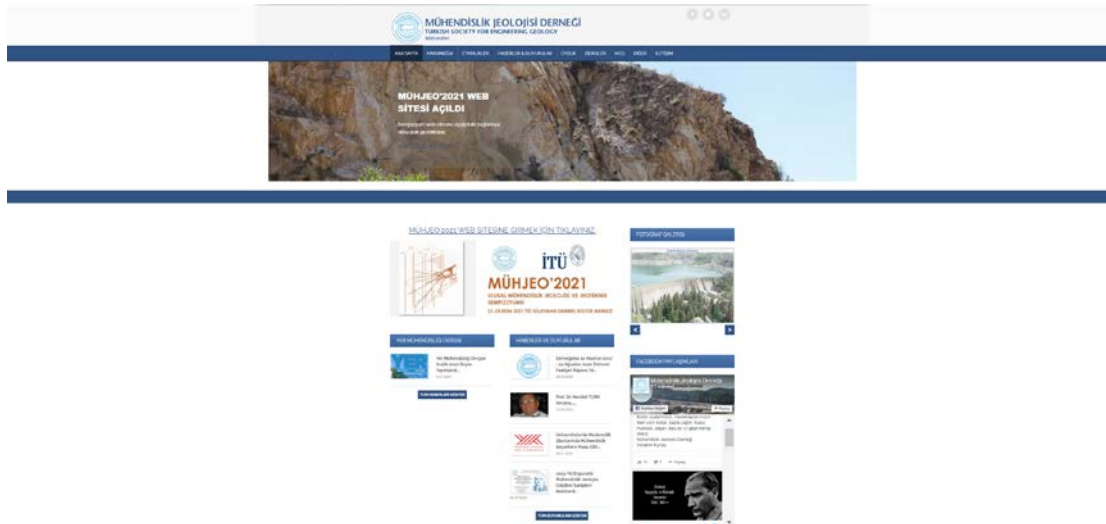
The bulletin entitled "Yer M hendisli i" (Geo-Engineering) has been issued by the Turkish Society for Engineering Geology continues to be published and distributed. The bulletin covers articles, interviews, news and presentations. A total number 3000 of the issue of no. 14 (January – June 2018) and issue of no. 15 (June-December) were distributed free of charge not only to the members of the society but also to all related departments at universities, private sector and governmental organizations. The issue of no. 15 (June-December) was delivered with email.



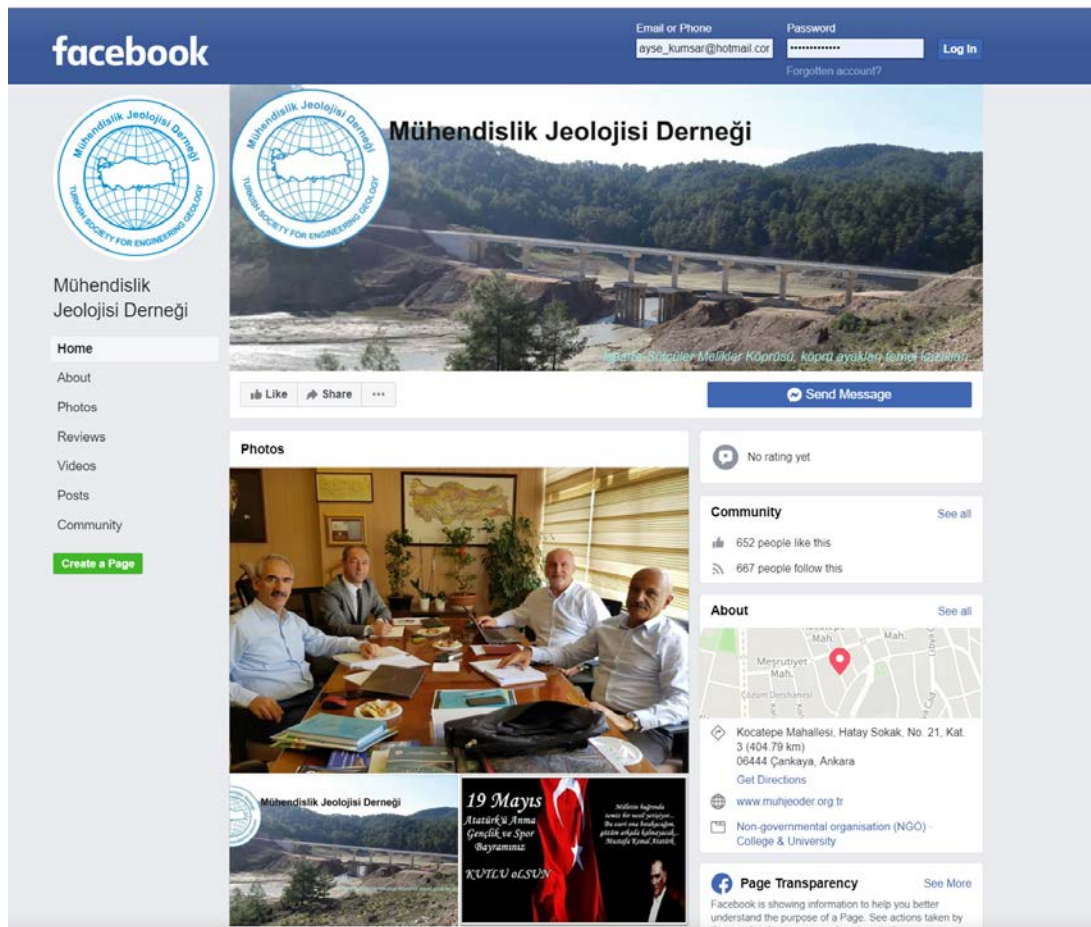
Cover pages of Yer M hendisli i /Geo-Engineering) bulletin of volume 14 and 15.

## 8. Web Site

The web site of the Turkish Society for Engineering Geology ([www.muhsjeoder.org.tr](http://www.muhsjeoder.org.tr)) is active since 2013. It is being kept alive by inputs from all members. The web site is linked to several web sites of related organizations and institutions such as the IAEG. Facebook page of the society can be visited on the home page of the society.



Home page of the web site <http://www.muhsjeoder.org.tr/>



Facebook access from home page of the society



# 1st IAEG SOUTH AMERICAN REGIONAL CONFERENCE

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

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



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



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

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

## Contact Information

Website : [iaegsa2021.org](http://iaegsa2021.org); Email: [aw@tradeshowsa.com.ar](mailto:aw@tradeshowsa.com.ar) (for commercial);  
[congreso@asagai.org.ar](mailto:congreso@asagai.org.ar) (for academic)

## Themes

- Geological-engineering aspects in the construction and building pathology
- Thematic cartography
- Environmental geology
- Urban Geology and Territorial Planning
- Coastal geology
- Medical geology
- Geomechanics
- Integrated management of water resources
- Geological Parks and Geotourism
- Geological Risk



# 3<sup>rd</sup> 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](http://www.euroengeo2020.org).

Please contact us for any queries at [info@euroengeo2020.org](mailto: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 <https://www.eventora.com/en/Events/euroengeo2020> for registration.

## **Important Dates:**

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

April 30, 2021---Notification of selection

June 1, 2021---Early Bird registration

October 7-10, 2021---Congress Date

## 08 MEETING INFORMATION

**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 virtually.

### **Conference Information**

Date : November 15-19, 2021

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

E-mail : [iaeg-arc13@meetmatt.net](mailto:iaeg-arc13@meetmatt.net); Tel : +65-6472-3108 ; Fax : +65-6472-3208

### **Topics**

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



## Fukuoka, Japan September 9-11, 2021

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



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

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

#### Conference Information

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

Email: [rmegv2021@rocknet-japan.org](mailto:rmegv2021@rocknet-japan.org); contact person: Takehiro OHTA

#### Registration Fee

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

#### Important Dates

Abstract Submission Deadline : March 31, 2021 ;

Notification of Abstract Accepted : April 9, 2021 ;

Proceedings Papers Submission Deadline : May 31, 2021 ;

Notification of Proceedings Papers : July 5, 2021

#### Excursion—Aso Area



San Antonio, USA, September 18-26, 2021

Association of Environmental & Engineering Geologists 64th Annual Meeting



Join us for the 64th AEG Annual Meeting in beautiful San Antonio, Texas! The 2021 meeting will feature an opening general session on Wednesday, three full days of technical sessions and symposia, educational Field Courses, fun Guest Tours and exciting special events. To register, submit an abstract and for complete details, visit [www.aegannualmeeting.org](http://www.aegannualmeeting.org)

Association of Environmental & Engineering Geologists 2021 Annual Meeting

### "Rock-n-the River"

San Antonio, Texas

September 21-27, 2021

for the schedule, please refer to:

[https://fa545aad-1bb2-4919-bdd5-0e370830bdeb.filesusr.com/ugd/b33307\\_3d1d1f64e6c244d08745b5a86efe42c4.pdf](https://fa545aad-1bb2-4919-bdd5-0e370830bdeb.filesusr.com/ugd/b33307_3d1d1f64e6c244d08745b5a86efe42c4.pdf)

### Meeting Information

Website : <https://www.aegannualmeeting.org/>

Contact : Heather Clark ; Tel : 303-518-0618 ; Email : [heather@aegweb.org](mailto:heather@aegweb.org)

### Registration

**Full Registration:** Member \$495, Non-Member \$645

**Full Registration after 8/1/21:** Member \$595, Non-Member \$745

**Student Full Registration:** \$95 (after 8/1/21: \$125)

**One Day Registration:** Member \$275, Non-Member \$325

**One Day Registration after 8/1/21:** Member \$325, Non-Member \$375

**Guest Registration (must be linked to a full or one day registration):** \$150 (after 8/1/21: \$175)

(Visit the Field Course, Guest Tour, Short Course and Special Event pages for details and fees)

### Call for Abstract

Please refer to <https://www.aegannualmeeting.org/technical-sessions> for the Instructions for writing and submitting your abstract. Be sure to register for the meeting by July 1, 2021 in order for your abstract to be published in the program with abstracts.

### Field Courses

Field courses will be filled on a first-come, first-served basis, and registration will be limited to the number of spaces shown. The indicated minimum and maximum numbers of participants are based on a combination of factors, including transportation, accessibility, and safety at roadside outcrops. Field courses are subject to cancellation if minimum number of registrants is not met. Field course logistics (e.g., schedule, duration, route, transportation, location/ number of stops, etc.) are also subject to change. Participants should be prepared for variable

weather conditions and hiking on uneven ground. Field courses will proceed rain or shine. Additional information regarding the logistics of each field course will be provided to the paid registrants by the field course leader(s) at a later date, but well in advance of the course.

### **Field Courses 1 : San Miguel Lignite Mine – San Miguel Electric Cooperative, Inc.**



Photo Credit: Kiewit

**DATE:**  
Tuesday, September 21, 2021

**TIME:**  
8:00am-5:00pm

**LOCATION:**  
Departs from the Hotel Lobby

**COST (per person):**  
\$70.00 before 8/1/21, \$95.00 after 8/1/21  
(Includes: Transportation, box lunch and guided tour)

**LEADERS:** Nellie Frisbee (Permit Specialist), and Joe Harris (Reclamation Supervisor), Marilyn Czimer Long, PG

**MINIMUM TO RUN THE TOUR: 18, MAX: 20**

### **Field Course 2: San Antonio River Improvements Project**



**DATE:**  
Tuesday, September 21, 2021

**TIME:**  
8:00am - 4:00pm

**LOCATION:**  
Departs from the Hotel Lobby

**COST (per person):**  
\$90.00 before 8/1/21, \$115.00 after 8/1/21  
(Includes: Transportation and box lunch)

**LEADER:** Brian Mast (San Antonio River Authority)

**MINIMUM TO RUN THE TOUR: 20, MAX: 28**

### **Field Course 3: Karst Cave – Cave without a Name**



**DATE:**  
Tuesday, September 21, 2021

**TIME:**  
9:00am - 4:00pm

**LOCATION:**  
Departs from the Hotel Lobby

**COST (per person):**  
\$95.00 before 8/1/21, \$120.00 after 8/1/21  
(Includes: Transportation, box lunch and cave tour)

**LEADER:**

**MINIMUM TO RUN THE TOUR: 20, MAX: 27**



**Sydney, Australia, May 1-6, 2022**

**The 20th International Conference on Soil Mechanics and Geotechnical Engineering 2022**



On behalf of the Local Organizing Committee (LOC) for the 20th International Conference on Soil Mechanics and Geotechnical Engineering (ICSMGE 2022), the Technical Committee and the host Australian Geomechanics Society (AGS), we are delighted to welcome you all to ICSMGE 2022, to be held in Sydney, Australia, from May 1 to 6, 2022.

It is important to recognise that our Conference has had to be rescheduled from September 2021 to May 2022 because of the Covid19 pandemic. This decision to reschedule the Conference was taken after discussion and with the approval of the ISSMGE Board. We would like to thank the Board Members for their wisdom and understanding in these difficult circumstances. Rescheduling was necessary because the LOC and the Board were very keen to maintain a conventional conference.

Our LOC is well aware that potential attendees will be very keen to travel to a safe destination. Please be assured that Australia is and will remain a safe destination, with one of the best records for managing the pandemic and limiting its spread through its public health policies. With much of the world, including Australia, in the midst of rolling out Covid19 vaccines, we fully expect that borders should open and international travel should resume well before the rescheduled Conference dates.

#### **Conference Information**

Website : <https://icsmge2022.org/>

General Enquires: Ph: +61 (0) 2 9254 5000 ; Fax: +61 (0) 2 9251 3552 ; [info@icsmge2021.com](mailto:info@icsmge2021.com)

**Theme : *A Geotechnical Discovery Down Under – Geotechnical Diversity Awaits You***



Venue: International Convention Centre



Chengdu, China, September 14-20, 2022

14th International Engineering Geology and the Environment Congress



The 14th International Association of Engineering Geology and the Environment Congress (14th IAEG Congress) will be held in Chengdu Century City New International Convention and Exhibition Center, **Chengdu, China** from **September 14 to 20, 2022**. The congress is a grand event held every four years in the field of engineering geology and environment. It revolves around the theme of “**Engineering Geology for a Habitable Earth**”. We warmly welcome all representatives to come to Chengdu to participate in this academic event.

#### Conference Information

##### Secretaries:

Jie Liu (Tel: 18583902793); Peng Zeng (Tel: 13808187360)  
Dongpo Wang (Tel: 13558629500); Shenhua Cui (Tel: 13438079388)

##### Sponsor Contact:

Jie Liu (Tel: 18583902793)

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

Tel: 028-84073193 Email: [sklgp\\_cdut@126.com](mailto:sklgp_cdut@126.com)

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

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

#### General Scientific Themes:

- Climate Change Mitigation and Adaption
- Engineering Geology and Green Development
- Engineering Geology and Environmental Disaster
- Mechanism, Prevention and Assessment of Geological Disasters
- Environmental Engineering Geology and Ecosystem Protection
- Geotechnical Properties of Rock and Soil Mass
- Traffic Engineering Geology and Sichuan-Tibet Railway Construction
- Energy Engineering Geology and Deep Earth Resource Exploitation
- Urban Engineering Geology and Underground Space Utilization
- Marine Engineering Geology and Coastal Development

- Polar Engineering Geology and Disasters
- Planetary Engineering Geology and Disasters
- Artificial Intelligence, Big Data and Engineering Geology
- New Theory and Technology of Engineering Geology
- Preservation of Cultural Heritage and Engineering Geology
- Education and Disciplinary Development of Engineering Geology

#### General Scientific Themes:

The congress program committee would like to invite session proposals in related topics. Creativity and innovation are positively encouraged in the development of topics. This call will generate session topics for congress participants to choose from during the published paper submission, oral presentation and poster. Session organizers for included sessions are responsible for accepting or declining participants to their sessions. All session proposals must include the name, institutional affiliation, and email address of the session organizer; a title; and a brief abstract that describes the session and ideally how the session fits into the congress theme. Indicate which type of theme you are submitting for consideration. If you are interested, please check the attached application on <http://en.sklgp.cdut.edu.cn/> and reply to us before June 30, 2021. For further information, please feel free to contact us.

#### Schedule Overview

Due to the need for regular epidemic control, the congress adopts a hybrid mode of online and offline. The congress is preliminarily arranged as follows:

Date	Agenda
September 14	Registration
September 15	Opening Ceremony and Keynote Speech
September 16	Sessions
September 17	Sessions
September 18	Sessions and Closing Ceremony
September 19	Field Trip
September 20	Field Trip
Note: The schedule may be adjusted later, please refer to the follow-up notice.	

#### Important Dates

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

Please refer to <https://www.dropbox.com/s/paxe3krskglqmiw/IAEG%20CFP%204.16-2.pdf?dl=0> for the 1st announcement of the 14th IAEG Congress.

**Athens, May 12-18, 2023**

ITA-AITES World Tunnel Congress 2023

**Greek Tunneling Society**

The Greek Tunneling Society is standing as an official candidate to host, for the **1st time in Greece**, the **49th ITA-AITES General Assembly** and the **2023 World Tunnel Congress**.

**ITA-AITES**

Extraordinary General Assembly  
February 10th, at 1pm CET

**WTC 2023 - ATHENS**

**ITA-AITES World Tunnel Congress 2023**

Expanding Underground Knowledge & Passion to Make a Positive Impact on the World

**Embrace our effort!**

[www.athenswtc2023.gr](http://www.athenswtc2023.gr)

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Rapid urbanization, natural hazards, climate change, sustainable energy geo-resources, people's mobility and transportation of goods are first-priority demanding challenges that the globe is facing.

Cities and infrastructure expansion towards underground provide safe, sustainable and green solution facilitating the transformation of millions of people's lives into a more resilient lifestyle. A comprehensive understanding, rethinking and reshaping of the underground spaces have become even more vital and crucial in the urban transformation of future cities. For the latter to be attained, planning and organization of underground development, a holistic approach is required not only in terms of spatial organization or overcoming engineering challenges, but also in regards to the establishments of policies, regulations and consideration of social factors.

WTC 2023 in Athens will highlight the multiple advantages and solutions that underground space could provide, at the prospect of a whole new era of smart technology where sophisticated "digital tools" change investigation, design, construction and operation methods and strategies rapidly. WTC 2023 will additionally provide an ideal opportunity to showcase recent innovations and the perspective of technology to further efficiently upgrade underground infrastructure assets, transforming the industry and the societies it serves.

Athens (Greece) has the knowledge, and we strongly believe we have the means and the responsibility to literally make a positive impact on the world.

#### **Theme**

Expanding Underground Knowledge & Passion to Make a Positive Impact on the World

#### **Conference Information**

Website: <https://athenswtc2023.gr/>; E-mail: [eesye.gr@gmail.com](mailto:eesye.gr@gmail.com), [info@athenswtc2023.gr](mailto:info@athenswtc2023.gr)

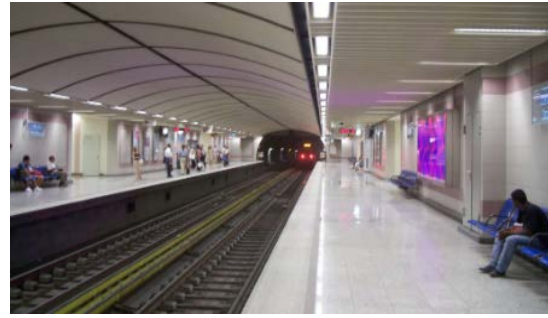
Phone: (+30) 210 6833600; Fax: (+30) 210 6847700 Venue : MAICC



## Technical Tour



The Hellinikon Project



Athens Metro Line 4



Immersed Road Tunnel Salamina-Perama



New Road Tunnels in Metropolitan Area of Athens

## Post Congress Tours



The Catacombs of Milos island



Santorini Cave Dwellings







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