



# IAEG

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## NEWSLETTER

Issue No.1,2019

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

Electronic Version



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Edited by the IAEG Secretariat, Shaoxing, China

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# /1. NEWS OF THE EXECUTIVE COMMITTEE

## A special welcome from the new president of IAEG --- Rafiq Azzam

Dear Colleagues and Friends,

First of all, I would like to wish all IAEG members a successful and prosperous 2019. As the new elected IAEG president, it is my great honor and privilege to me to serve our association according to our mission and for the benefit of our members. Most of you know me as one of the vice presidents for Europe and I would like to continue my efforts toward improved IAEG services.



In the past 4 years, the president and the executive have focused on many important aspects to improve the services of IAEG. Of course, we will continue to finalize these issues. In the last four years many improvements have been realized and I would like to thank the Executive for its excellent performance. Also, I would like to welcome the new Executive members who are enthusiastic to continue the modernization process. Developing the Association needs a vision for the future and is a long-term task of the Executive and Council to achieve the targets.

Some important tasks and actions for the next 4 years are:

- Modernization of IAEG including all IT aspects. For successful operation, an IT Commission shall look into all IT aspects to improve the services to our members. An Advisory Board to the Executive shall work out strategy plan for the modernization process.
- Continuation of Reaching out to our members and intensifying the relationship and networking between IAEG and National Groups. Supporting the establishment of new National Groups.
- Reactivating and supporting the regional conferences, joint events with different national groups, and promoting the young engineering geologists to organize sessions within these conferences.
- Revision of the work of the commissions, and develop mechanisms to evaluate their work progress. Commission chairs should organize sessions in regional conferences and report to Executive.
- Offer further education and training to the members such as summer and winter schools, especially for young engineering geologists, by inspiring senior members to offer courses and visit low-income countries to support their national group in education and organization of scientific events.
- IAEG can act as a catalyst to mobilize the synergy of Universities, Research Institutes and Industry.
- Encourage the National Groups to organize well-focused field trips for senior and young engineering geologists together.
- Intensify the interaction activities between Young Engineering Geologists (YEG) and the Executive and allocating an annual budget for the activities of YEG.

This list can only be an example, much more issues will rise during our work. I am confident that the new executive committee and the Presidents of the National Groups are motivated to work hand in hand to achieve the targets, to promote IAEG in many countries and to improve its visibility in the society.

Rafiq Azzam

## **2019 Mid-year Executive Committee Meeting**

A two days mid-year executive meeting of IAEG was held on April 4-5, 2019 in Paris, France. It was the first Executive Committee Meeting for the term of 2019-2022. 15 of 16 executive members attended the meeting.



Group Photo of 2019 IAEG Executive Members

### **Report from the President**

Professor Rafiq Azzam, the president of IAEG chaired the meeting, and conducted an overall design and plan for the coming four years. He introduced the main issues for the Executive Committee Meeting, which were to promote the modernization of IAEG, and establish a new structure for IAEG. He proposed to set up 2 special groups for Bylaw modification and young professionals promotion, and 4 board committees, including Advisory, Funding, Publication and Info-Tech committee for decision implementation under the EC and the Council.

### **Report from the Secretary General**

Professor Faquan Wu, the Secretary General gave his report in 3 aspects, including the Current State of IAEG, the Plan of IAEG for the coming 4 years, and some other issues regarding the development of IAEG. In view of the information the Secretariat has had, Faquan Wu stressed that IAEG should learn more from the sister societies, regarding the aspects of recruiting of membership and national/regional groups, improving the quality of Bulletin and website, and increasing the variety of international research programs and awards. In addition, Faquan Wu introduced the suggested structure of IAEG, with 4 board committees and 2 special working groups under the Executive Committee and their main duties. He also introduced the 4 board committees with their corresponding duties.

### **Report from the other Executive Members**

In addition, the Treasurer, the Vice Presidents, the person in charge of Bulletin, Website and YEG also gave their reports respectively, in accordance with the areas they are in charge of.

The vice presidents are making efforts to increase the number of members, and promote the establishment of new national group actively. Norberto Jorge Bejerman stated that Chile is going to apply for forming a new National Group of IAEG, and he is making effort to reactive Mexico National Group. Vassili Marino said he would try to promote the Europe Regional Conference, and ask C4 to set up summer/winter school for young professions. He also proposed to set up Macel Students Award. Huiming Tang warmly invited the IAEG Executive Committee Meeting and the Council Meeting 2020 to be held in Wuhan, China.

## Other Issues

The Executive Committee has accepted the applications of establishing new nations from Myanmar, Uzbek and Kyrgyz. Their application will be presented to the Council for approval as the 2019 IAEG Council Meeting.

Regarding the Nepal issue, agreement has been reached according the rules of IAEG Bylaws :

- The Executive Committee accepted both sides as associate group of IAEG ;
- Both sides provide their own list of membership with name, profession, position and working unit to the IAEG Secretariat, and pay membership fees according to the lists to the IAEG Treasurer in 2019;
- The EC and Council will make decision on who will be the representative of Nepal, i.e. IAEG Nepal National Group, in Korea meetings this year according to the membership data and payment of the two groups.



Group Photos during 2019 IAEG Executive Committee Meeting

## Amended IAEG Statues and Bylaws

During the council meeting held in San Francisco 2019, the statues and bylaws of IAEG have been amended. The terms amended include Statue Article VI, and Bylaw 3.1 and 3.3.

You can click the link below for the newest version of IAEG Statues and Bylaws.

Amended Statues :

[https://www.dropbox.com/s/mbkwjyu7ul69hkx/Statutes-San%20Francisco\\_2018.pdf?dl=0](https://www.dropbox.com/s/mbkwjyu7ul69hkx/Statutes-San%20Francisco_2018.pdf?dl=0)

Amended Bylaws :

[https://www.dropbox.com/s/amkpgrkcs79zd9q/Bylaws\\_San%20Francisco\\_2018.pdf?dl=0](https://www.dropbox.com/s/amkpgrkcs79zd9q/Bylaws_San%20Francisco_2018.pdf?dl=0)

## Potential New National Groups

### Kyrgyzstan

Mr. Moldobekov Bolot Duishenalievich, the co-director of CAIAG (Central Asian Institute for Applied Geosciences), expressed his will of joining the International Association for Engineering Geology and the Environment (IAEG) as a collective member and organizing the Kyrgyz national group of IAEG.

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**To: President IAEG  
Prof. Dr. Rafiq Azzam**

**General Secretary IAEG  
Prof. Dr. WU Faquan**

**Vice-president IAEG  
Prof. Dr. Eugene Voznesensky**

**E-mail: [arnoldych@gmail.com](mailto:arnoldych@gmail.com)**

### Letter of Application

Central Asian Institute for Applied Geosciences (CAIAG), led by co-director Moldobekov Bolot Duishenalievich, would like to join the International Association for Engineering Geology and the Environment (IAEG) as a collective member and to organize the Kyrgyz national group of IAEG.

In CAIAG, along with experienced scientists, mainly the young specialists and experts work in the field of engineering geology, soil science, geoinformatics, engineering survey, engineering seismology, and a number of related natural and technical sciences. The CAIAG activities and tasks are mainly related to solving applied problems in the field of research on: a) engineering geodynamics and assessments of natural and anthropogenic georisks; b) engineering and seismic microzonation of densely populated cities; c) creation of own interdisciplinary monitoring network for hazardous processes and phenomena, including the transboundary ones; d) creation and implementation of on-line early warning systems of population from destructive earthquakes; e) engineering measures for adaptation of population to georisks from landslides, glacier degradation, high-mountain lakes outbursts, mudflows due to climate change; f) remote and ground monitoring of dangerous changes within the geospheres in the countries of Central Asia.

We would like to join the international community of engineering geologists, and we completely support the aim, tasks, vision, and mission of the International Association for Engineering Geology and the Environment.

If accepted, we promise to act strictly in line with the Statutes and By-Laws of IAEG for the benefit of strengthening international scientific cooperation and further development of engineering geology. We will pay timely the membership fee to IAEG.

The proposed Kyrgyz national group will be headed by:

Chairman - Bolot Moldobekov, CAIAG, co director, candidate of geological and mineralogical sciences  
Secretary – Sagynbek Orunbaev, CAIAG, Head of the Sector, Candidate of Physical and Mathematical Sciences

Contact address – The Kyrgyz Republic 720027 Bishkek, Timur Frunze Str., 73/2

Telephone: 996 312 555111; +996 312 555222  
website: [caiaag@caiaag.kg](mailto:caiaag@caiaag.kg)

The Kyrgyz national group will include six members. *The list of members of the Kyrgyz national group is attached.*

## Myanmar

MGS (Myanmar Geosciences Society) has approved the decision of joining IAEG and submitted the application form of establishing new national group of Myanmar to IAEG Secretariat already. The president of MGS, Mr. Kyaing Sein informed that they would attend 2019 Council Meeting to present their proposal.

# APPLICATION FORM

## 1. Application (< 1000 words)

To the President of IAEG:

We ( Myanmar Geosciences Society – MGS ) was found in 2003 as non profit organization to promote and exchange our knowledge and experiences for new generation.

Our society is purely technical base organization.

We are doing a lot of activities such as research program with international organizations and Universities and organizing international conferences.

Under MGS there are different committees of different specialization.

Committee of Engineering Geology is one of them.

Under this committee, we are established a training school.

It is only for short courses for Geotechnical Engineering and Surveying.

Up to now,20 batch is already done.

Now we are trying to cooperate with AIT for more advance courses.

Myanmar Geosciences Society is preparing the Myanmar Geosciences Council Law.

It will approve by Parliament soon.

After that National Group will be so busy and will become very important status in our country.

We are hoping to do more cooperation with IAEG in future.

Here we organized only seven persons as Executive Members effectively.

Here I attached the biodata of these members.

We will come to meet you all in coming meeting to be a member of IAEG.

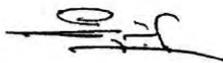
Thanks and regards

KYAING SEIN

President ( Myanmar Geosciences Society

21.March.2019

Signature:



## Uzbekistan

Dr. Yu. D. Magrupov, the director of The State Project and Research Institute for Engineering Survey in Construction, Geoinformatics and Urban Planning Cadaster, has also expressed his will of joining IAEG and organizing Uzbekistan National Group.

O'ZBEKISTON RESPUBLIKASI QURILISH VAZIRLIGI		МИНИСТЕРСТВО СТРОИТЕЛЬСТВА РЕСПУБЛИКИ УЗБЕКИСТАН
Qurilishda muhandislik qidiruvlari, geoaxborot va shaharsozlik kadastriloyiha ilmiy-tekshirish davlat instituti		
<b>« O'ZGASHKLITI » DUK</b>		
Государственный проектный научно-исследовательский институт инженерных изысканий в строительстве, геоинформатики и градостроительного кадастра		
<hr/>		
100096, Toshkent sh., Qalortol ko'chasi, 3B, Tel.: (99871) 278-41-05 Faks: (99871)273-04-82 <a href="http://www.uzgashkliti.uz">http://www.uzgashkliti.uz</a> E-mail: <a href="mailto:info@uzgashkliti.uz">info@uzgashkliti.uz</a>	100096, г. Ташкент, ул. Катартан, 3B Тел.: (99871) 278-41-05 Факс: (99871)273-04-82 <a href="http://www.uzgashkliti.uz">http://www.uzgashkliti.uz</a> E-mail: <a href="mailto:info@uzgashkliti.uz">info@uzgashkliti.uz</a>	
№ <u>691/107-19</u>	« <u>02</u> » <u>04</u>	2019 г.

**To: President IAEG  
Prof. Dr. Rafiq Azzam**

**General Secretary IAEG  
Prof. Dr. WU Faquan**

**Vice-president IAEG  
Prof. Dr. Eugene Voznesensky**

**E-mail: [arnoldvch@gmail.com](mailto:arnoldvch@gmail.com)**

### Letter of Application

The State Project and Research Institute for Engineering Survey in Construction, Geoinformatics and Urban Planning Cadaster (Tashkent, Republic of Uzbekistan) headed by Director, Dr. Yu.D. Magrupov, would like to join the International Association for Engineering Geology and the Environment (IAEG) as a collective member and to organize the Uzbek national group of IAEG on its basis.

The Institute includes researchers and experts in engineering geology, geoinformatics, engineering survey, etc. The activity of our Institute mainly deals with engineering surveys for the design, construction, operation and liquidation of objects of the economy, facilities, buildings and structures.

We would like to join the international community of engineering geologists, and we completely support the aim, tasks, vision, and mission of the International Association for Engineering Geology and the Environment. If accepted, we promise to act strictly in line with the Statutes and By-Laws of IAEG for the benefit of strengthening international scientific cooperation and further development of engineering geology. We will pay timely the membership fee to IAEG.

The proposed Uzbek national group will be headed by:

Chairman – Dr. Yu.D. Magrupov, General Director of the Uzbek State Project and Research Institute for Engineering Survey in Construction, Geoinformatics and Urban Planning Cadastre.

Secretary – Abdukhalik Saparov, «O'ZGASHKI.ITI» state unitary enterprise, Chief Expert, Ph.D.

Contact address – Republic of Uzbekistan, Tashkent city, Chilanzar district, Katartal str., 38.

Telephone, E-mail, website (99871) 278-41-05, (99871) 278-43-01, info@uzgashkliti.uz, www.uzgashkliti.uz

The Uzbek national group will include 12 members.

The list of members of Uzbek national group is attached.

**General Director**



**Magrupov Yu.D.**

Both of them have sent emails to IAEG Secretary General, and they are preparing the official documents regarding joining IAEG as the new National Group. Mr. Eugene is making great efforts in initiating the organizing work of establishing the new Kyrgyzstan and Uzbekistan National Group of IAEG. The secretariat welcomed their intention and suggested them to submit a proposal of application, which will be submitted to the executive committee firstly and officially submitted to the Council for approval at the IAEG Annual Council Meeting.

## /2. NEW WEBSITE OF IAEG

### About New Website of IAEG from Mr. Giorgio Lollino

Dear Friends and Colleagues,

Following the tradition, at the change of the President we created a new IAEG website. It took us a little more time than usual, because we also changed the webmaster and the platform (CMS). The transfer and the update of contents from the old website took some time, because we often had to wait for information from colleagues. Now we are ready to publish the new website. I am pleased to invite all of you to explore it, and if you find any bugs, please report them to me.

As you will notice, we have a new design and user-friendly search functions. We have three social media: LinkedIn, Facebook, and Instagram to post photos on the web (and short films) in the Photo Gallery of our website. We also have direct connection with IAEG Connector and Frontiers in Earth Science.

Facebook Page: <https://www.facebook.com/IAEG2016>

Instagram: iaegenv

LinkedIn Group: <https://www.linkedin.com/groups/3109098/>

The available proceedings were inserted and updated (without active copyright). Additionally, the system is ready to manage those from the old conferences (when they will be scanned and available). In the webinar section, we added the possibility to publish Power Point presentations in order to make this section more interesting.

Regarding the section dedicated to YEG, the new website allows direct content management by the contact person (Louise Vick).

We added Join Us window, in order to facilitate communication, as it was proposed and written by the previous Ex. Com. The congress area was re-organized to facilitate the congress search and to give the possibility to save desired congress date in the calendar of Android and IOS systems. Registration fees tables were updated.

To avoid the application of the **European General Data Protection Regulation (GDPR)**, the pages reserved only for members are no longer available, because Commissions, Proceedings and Newsletter pages were not frequently updated and visited (see Google Analytics results), even if we sent to all members the username and password to access these areas. However, keeping the members list involves the application of GDPR, which is complicated and onerous. Due to all these inconveniences, we decided to avoid restricted areas.

The General Data Protection Regulation (GDPR) (EU) 2016/679 is a regulation of EU law on data protection and privacy for all individuals within the European Union. It also addresses the export of personal data outside the EU. The GDPR aims primarily to give control to citizens and residents over their personal data and to simplify the regulatory environment for international business by unifying the regulation within the EU. I would like to point out that IAEG is registered as an association in Paris and therefore is subjected to the European laws.

According to the received tasks from the previous Ex.Com, we tried to investigate the procedures for adapting IAEG to the European Regulation of Privacy. This regulation certainly involves data management by European National Groups and partly by non-EU NG. We discussed this matter with an

adequate technical consultant company who prepared an offer that I will send you soon.

I wish to mention that this work was realized thanks to great collaboration of Paolo Allasia and other colleagues of the local web editorial board.

As for the Commissions, now they are free, no longer in an area reserved for members only, to simplify your work, we decided that it would be better for the Commissions Chairs, send me all the updates and we will post them in the related Commissions.

We ask you only, when possible, to group a bit 'of updates, to avoid uploading us with repeated interventions on the website.

To the Presidents and Secretaries of the National Groups, we ask you to check, if the information on their National Groups is correct and eventually to report to me the related updates.

Finally, I want to urge all the members of the IAEG to participate more actively in updating the website, sending photographs of construction sites and events that may affect our Association with a brief descriptive caption and with the name of the author. Even webinars are welcome, and from now, even the presentations in PPT of projects and research with their results.

Giorgio Lollino



New website of IAEG Homepage

## /3. CALL FOR MEMBERSHIP UPDATE 2019

The IAEG Secretariat is calling for the membership update of 2019. Since Bulletin will be published online only from the start of 2019, it is important for IAEG Secretariat to collect the updated membership, so as to ensure the members who pay for the Bulletin can actually read the digital version.

The new fee levels will be implemented from 2019 as listed in the table below.

	Type	2019 and later on
Members through National groups	<u>Members without bulletin</u>	
	Low-income Countries	7 €
	High-income Countries	20 €
	<u>Members with bulletin (+12€)</u>	
	Low-income Countries	19 €
	High-income Countries	32 €
Direct members	Individual member with Bulletin	45 €
	Individual member without Bulletin	33 €
	Associated members	150 €

# /4. EVENTS OF NATIONAL GROUPS

## Australia National Group

//////////Australia



Australian Geomechanics Society will hold the fifth Engineering Geology Courses from November 2 to 10, 2019. It is based at the University of Wollongong and at sites on the south coast of New South Wales in Australia. Registration for the course is open now.

The objective of the course is to teach participants how to apply geological field skills to help solve engineering problems. This will be carried out by using guided field exercises, in which the participants learn by carrying out realistic project related work, in the field, whilst being supervised by experienced practitioners.

The course is designed primarily for early career engineering geologists involved in civil and mining projects, and also for geotechnical engineers with a sound understanding of geological principals. The course is led by Dr Fred Baynes former President of the IAEG and Mark Eggers former Vice President of the IAEG. The course is accredited to the University of New South Wales Master of Engineering Science degree.

Further information can be found at <https://australiangeomechanics.org/courses/ags-engineering-geology-course/>.

## Brazil National Group

//////////Brazil

Humanity is experiencing an existential crisis. We need just open our eyes and ears to realize that we are all looking for more sustainable means of coexistence with our planet. In the search for a better and more harmonious relation with the world, the use of the underground space presents itself as a horizon of great possibilities.

The Brazilian Tunneling Committee (CBT) promoted the FloripaTun - International Tunneling Seminar, on February 21 and 22, 2019, in Florianópolis, Brazil. The event brought together researchers, students and tunnel professionals to expose and discuss the latest developments

and technological advances in this field.

There were 15 lectures on various subjects presented by professionals from different parts of the world.

Geologist Erik Wunder, was present representing the president of the Brazilian Association of Engineering Geology and Environment, Mr. Delfino Gambetti.

Congratulations to the Brazilian Tunneling Committee of Tunnels and especially its Organizing Committee.



On March 28, 2019, ABGE - Brazilian Association of Engineering Geology and Environment, held the Workshop "Tailing Dams" which was organized with the purpose of discussing these structures due to the recurrent failures in tailings dams.

The opening was made by the president of ABGE, Mr. Delfino Gambetti, and was attended by representatives of important local and national entities who presented brief reports on their views on the construction, safety and risks.



representatives of important local and national entities who presented brief reports on their views on the construction, safety and risks.

## China National Group

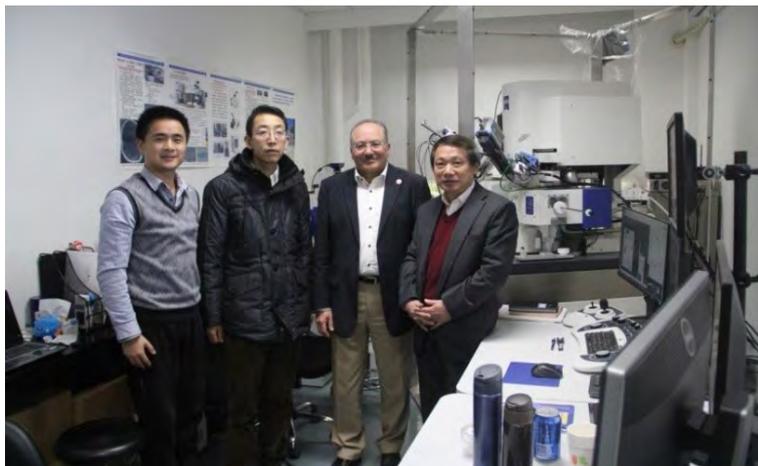
### **IAEG New President Prof. Rafiq Azzam visited IAEG Secretariat, IAEG China National Group and Key Laboratory of Shale Gas and Geoengineering, IGGCAS**

//////////China

Invited by Prof. Shengwen QI (the Secretary General of IAEG China National Group and Director of Key Laboratory of Shale Gas and Geoengineering, IGGCAS), IAEG new President Prof. Rafiq Azzam visited IAEG Secretariat, IAEG China National Group and Key Laboratory of Shale Gas and Geoengineering, IGGCAS on February 27, 2019 in Beijing, China. IAEG President Prof. Rafiq Azzam was accompanied by Prof. Faquan WU, Secretary General of IAEG and President of IAEG China National Group.



Discussion in the office of IAEG Secretariat



Discussion in the office of IAEG Secretariat

## Germany National Group

//////////Germany



**DGGT**  
Deutsche Gesellschaft  
für Geotechnik e.V.  
German Geotechnical Society

**FACHSEKTIONSTAGE  
GEOTECHNIK**

• 21. Tagung für Ingenieurgeologie  
• 23. Symposium Felsmechanik und Tunnelbau  
• 2. Bodenmechanik-Tagung  
• 16. Informations- und Vortragstagung über:  
Kunststoffe in der Geotechnik – FS KGEED 2019  
• 8. Symposium Umweltgeotechnik

29. – 30. Oktober  
**2019**  
Congress  
Centrum Würzburg

INTERDISZIPLINÄRES FORUM

The German National Group is currently preparing for the 2<sup>nd</sup> Congress of Engineering Geology, embedded in the "Section Days Geotechnics" (Fachsektionstage Geotechnik) of the German Geotechnical Society. The congress will take place on October 29-30, 2019 in Wuerzburg, Germany. The website is in German only. Please click <https://www.fachsektionstage-geotechnik.com> for further information.

## Iraq National Group

//////////Iraq

The Department of Applied Geology-College of Science-University of Babylon in Cooperation with the IAEG-Iraq Group held a Scientific Symposium, under the title [Role of Engineering Geology in Engineering Projects and Development of The Country](#) on March 26, 2019 .

The Lectures were divided into

- The Importance of Soil Investigations in Engineering Projects by Amer Attiya Lefta Al-Khalidi.
- Rock Slopes Stability and Mode of Failures from Selected Areas of Iraq by Prof.Dr. Jaffar Hussain Ali Al-Zubaydi.
- Soli Slope Stability of Bank River of Al MASSAB Alam Channel by Dr.Haider Obaid Saloumi Al-Ammar.
- The Phenomenon of Liquefaction in Sandy Soils by Dr.Abdul Karim Hussein Abd.
- Qualitative Evaluation of The Fine Aggregates of Selected Areas of Al-Najaf Province by Rend Sami Kamel.





## Japan National Group

### 1. Investigation Team for Disaster Prevention

//////////Japan

JSEG has organized the investigation teams both for West Japan downfall disaster and Hokkaido earthquake, 2018. JSEG organized the investigation teams for Hiroshima downfall disaster, Kumamoto earthquake, and Northern Kyushu downfall disaster since 2014. JSEG had meetings with local people in the disaster regions after investigation and discussed the topographical and geological features in those areas in disaster prevention view point. Moreover, JSEG had forums targeted to people in provincial cities for understanding the geological features, history of the disasters, disaster risks, and the relationship between culture and natural features mainly in their living area.

#### **West Japan downfall disaster**

Recently, we experience increasing number of extremely heavy hourly rain in Japan. The West Japan downfall disaster in July, 2018, was induced by maximum rainfall of 1,800mm in only four days in various areas of mainly western Japan. This extreme heavy rain in wide area

was caused by many linear rainfall belts along the energetic seasonal rain front after a typhoon attack. Many debris flows and landslides, rapid floods occurred in many areas in a short period. Over 200 lives were lost.

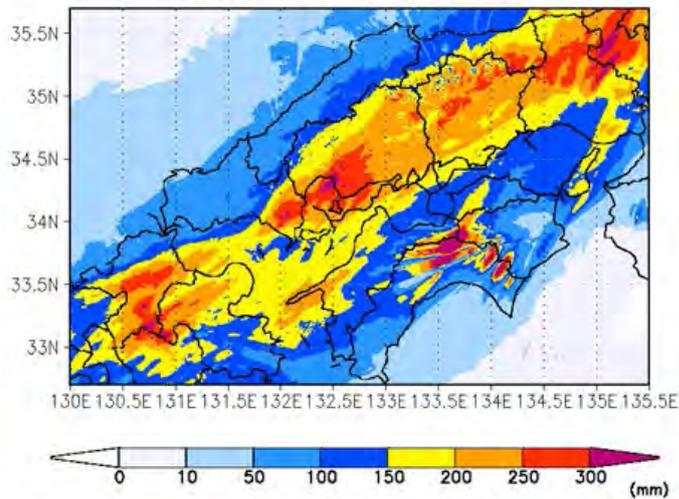


Aerial photo of West Japan downfall disaster area



Photo of JSEG investing team

Accumulated Rainfall (mm) from 2018-07-06 09:00 JST to 2018-07-07 09:00 JST



Distribution of rainfall in 24 hours in western Japan; National research Institute for Earth Science and Disaster Resilience

### Hokkaido, East Iburi Earthquake

The 2018 Hokkaido, East Iburi Earthquake occurred on September 6th in the middle area of Hokkaido Island. Maximum magnitude and depth of the epicenter were reported as 6.7Mj and 35 km respectively. The Japanese Archipelago is comprised of five island arcs. The Pacific Plate has been moving to WNW direction 9 cm/yr. on average and subducting in the Japan Trench and Chishima Trench. On the other hand, the Philippine Sea Plate has been moving to NW direction 4 cm/yr. on average. These continuing movements on the subduction zones at the boundary of the plates are the main causes of large earthquakes and tsunamis. The Chishima arc has collided with Honshu arc in the middle area of Hokkaido. East Iburi earthquake would have occurred in the front area of this colliding fore arc sliver.



General topographic view around Japan



Aerial photo of East Iburi Earthquake area (Aerial Photo by Kokusai Kogyo and Pasco)



Investigating in earthquake-stricken area



Extremely many surface landslides occurred by the earthquake. Volcanic layers of pumice and ash erupted from nearby western active volcanos accumulated on mountain slopes and completely slid down. Coal fire power plants were shut down by this shock and the electric power system in Hokkaido was consequently lost, causing about 3 million houses blackout.

## **2. 2018 JSEG Annual Meeting**

JSEG held the 2018 Annual Meeting in Sapporo, Hokkaido on October 16-17, 40 days after the earthquake. About 270 members participated, and 72 oral and 75 poster presentations were performed. A special lecture “research of the Tsunami sediments and historical records of previous disasters” was presented by Prof. Yuichiro Tanioka, Hokkaido University. After the meeting, 25 members participated in one day field trip to Mikasa Geo-park.



Group photo of field trip in Mikasa Geo-park area

## **3. Meeting of the Japan National Group**

A New Year meeting of the Japan National Group committee was held on January 7th at Kyoto University. Prof. Masahiro Chigira, chairman of the committee, and 10 committee persons participated in this meeting. The 13th IAEG congress and minutes of the council meeting in San Francisco were reported. Annual action plans of Japan National Group were discussed.



New Year meeting of the Japan National Group committee

## Nigeria National Group

NAEGE held its Executive committee meeting on the 12<sup>th</sup> January, 2019 in Abuja, Nigeria. We reviewed the progress of 2018, particularly its 3<sup>rd</sup> Annual Conference held October 2019. The Exco paid a courtesy visit on the Director General (DG) of the Nigeria Geological Survey Agency with whom we had a group photo. We subsequently decorated the DG with a society's pin as an Associate member.

/////////////////Nigeria



The Exco also resolved to hold its 4th Annual Conference from 22nd to 26th September 2019 in the Capital City of Abuja. In this connection we approved the composition of a Local Organizing Committee (LC) who were inaugurated during the meeting.



Following the collapse of a 7-storey building in PortHarcourt, Nigeria, NAEGE issued a Press release, decrying the involvement of non-professional in sub-soil foundation investigation and subsequently demanded a Technical Audit. The government responded immediately by inaugurating an expanded Judicial Panel to which we made written and oral testimonies.



Since then, NAEGE has deepened its support to the government ministry responsible for approval building plans and urban development.

We has established contacts with professionals in Ghana, Cameroun and (the Great Lakes region) particularly Uganda with whom Mr. Kingdom Abam is exploring the possibility of starting national groups.



Mr. Kingdom Abam has reached out to the President of the Geological Society of Africa (GSA), with whom he has discussed the possibility of setting up specialist groups within GSA. The intent is to pool together specialists in Environmental and Engineering geology from African countries. If it succeeds, it will make the task of setting up national groups in Africa a lot easier.

Mr. Kingdom Abam I has also together with Prof Louis Van Rooy agreed to host the 2nd IAEG Africa Regional Congress in conjunction the 4th NAEGE Annual conference. Arrangements in this connection have commenced in earnest considering the short time for planning. We have secured a venue, notified the geosciences community in Nigeria, produced posters for Call for papers, communicated with the LOC chairman/team of the 1st IAEG Congress in Zambia. Have sent mails to Chief Executive officers of more than 30 National Geological Survey Agencies, Vice Chancellors of Universities running geology and civil engineering programs, Directors of Building and Road Research Agencies in Nigeria and Ghana.

## Singapore National Group

//////////Singapore

The Society for Rock Mechanics and Engineering Geology (SRMEG) and the Geological Society of Hong Kong (GSHK) is applying for the 13<sup>th</sup> Asian Regional Conference of IAEG in November 2021 in Singapore.

SRMEG, representing the IAEG National Group for Singapore, will

be the main organizer for 13<sup>th</sup> Asian Regional Conference of IAEG. GSHK will be the co-organizer.

The theme of the 13<sup>th</sup> Asian Regional Conference of IAEG will be **Engineering Geology for Sustainable Resource and Infrastructure Development.**

In addition to short courses and workshops, other activities will be organized as well, such as technical exhibitions, social programs, post-conference tours and excursions.



Potential Conference Venues

# /5. NEWS FROM COMMISSIONS

## Commission 4 – New President and Secretary have been selected

We got the news from Dr. Jean Hutchinson, the vice president for North America that Dr. Marlene Villeneuve has been elected as the new president, and Dr. Nicholas Vlachopoulos the secretary of Commission 4. The new contact information is as follows:

### General Information

President: Marlene Villeneuve

E-mail: [marlene.villeneuve@canterbury.ac.nz](mailto:marlene.villeneuve@canterbury.ac.nz)

Secretary: Nicholas Vlachopoulos

E-mail: [vlachopoulos-n@rmc.ca](mailto:vlachopoulos-n@rmc.ca)

## Proposal of New Commission

IAEG's Technical Working Group on Naturally Occurring Asbestos has been working with various IAEG colleagues around the world to create a proposal to form an IAEG Commission on NOA.

### Proposal to create an IAEG Commission on NOA

- Mission Statement -

Inhalation of airborne mineral fibers, especially those which are or were mined as asbestos, has been documented as a cause of serious lung diseases (asbestosis, lung cancer and mesothelioma). The regulatory response related to asbestos exposure has focused on the mining and milling of asbestos, the manufacturing and use of asbestos-containing products, and the asbestos-abatement industry. Mineral fibers found in rock and soil which have not been mined as asbestos, and are known or suspected to cause asbestos lung disease, have been termed naturally occurring asbestos (NOA). Excavation and grading projects in NOA containing rock and soil have been observed to cause significant airborne fiber exposures even when low concentrations (<1%) exist. Concern over NOA has dramatically increased as the extent of its occurrence has become more widely recognized. The presence of NOA can have profound impacts on construction projects both small (schools, homes and real estate developments) and large (dams, highways and mines), especially when NOA is not properly identified early and management of NOA is not designed into the project.

Geologists, geotechnical engineers, mineralogists, and mineral chemists are called upon to undertake the difficult tasks of identifying, assessing and mitigating NOA hazards. The challenge of working with NOA is compounded when government agencies require compliance with regulations designed to address commercially exploited asbestos, rather than NOA. The 2018 IAEG NOA Symposium panel discussion with participants from around the world underscored that current guidelines and regulations to protect workers and the public from NOA exposure may not be adequate, and are too often very poorly-suited, for that purpose. In addition, the NOA regulations which do exist have not been standardized across jurisdictions.

In light of the above, the geologists, geotechnical engineers, mineralogists and mineral chemists identified below propose to IEAG that it form a Commission on NOA Assessment and Hazard Mitigation, the purpose of which will be to address development of the following:

- Guidelines for identifying the occurrence, modes of formation and associated host rock types of the various NOA minerals

- Geological assessment and field sampling methods for NOA in rock and soil
- Laboratory rock and soil testing sample preparation & analysis protocols (PLM, PCM, TEM, SEM, XRD), including interpretation of EDS chemical analytical data
- Laboratory calibration standards
- Guidance in the interpretation and presentation of field data and lab test results
- Guidelines for the protection of workers and the public from large and small construction projects
- Training and certification programs for geologists, analysts, construction project designers, field supervisors, construction workers, and others to ensure expertise on NOA-related issues

Key individuals expected to be involved on the NOA Commission include:

Mark Bailey, PG – President, Asbestos TEM Labs; Geologist/Mineralogist; Chairperson for eight NOA symposia w/ AEG, GSA, ASTM and IAEG 2018; Technical Contact/main author of ASTM Bulk Rock/Soil NOA Test Method WK65640 by PLM, TEM, SEM & XRD – in progress.

Alessandro Gualtieri, Ph.D. – Chairman, Dept. of Chemical & Geological Sciences, Univ. of Modena and Reggio Emilia, Italy; Geologist/Mineralogist; Keynote speaker at IAEG 2018; Researcher in the field of asbestos and author of the textbook “Mineral fibres: Crystal chemistry, chemical-physical properties, biological interaction and toxicity”, EMU Notes in Mineralogy, 2017

Francesco Turci, Ph.D. – Deputy Director, "G. Scansetti" Interdepartmental Center for the Study of Asbestos and other Toxic Particulates, Department of Chemistry, Univ. of Torino, Italy; Mineral Chemist Sarah Kalika, PG, CAC – Sr. Project Geologist, Cornerstone Earth Group; Geologist/Certified Asbestos Consultant; Co-chair of five AEG NOA symposia; Former Chair of San Francisco AEG Chapter & Northern California Representative on the AEG Board of Directors; Organizer of 2018 IAEG Congress.

Bradley Erskine, Ph.D., PG, CEG, CAC – Sr. Geologist, Erskine Environmental Consulting; Geologist/Engineering Geologist/Certified Asbestos Consultant; Manager of the Calaveras Dam NOA Compliance Program

Martin Harper, Ph.D., CIH FAIHA, CChem FRSC – Geologist, chemist and Certified Industrial Hygienist; Former NIOSH representative to the federal Inter-Agency Working Group on Asbestos; Co-author of NIOSH Technical Bulletin 62 (the “Asbestos Roadmap”); co-author of the AIHA Laboratory Quality Assurance Manual Chapter Analysis of Fiber-Containing Samples.

Once the committee is formed, future efforts to promote and grow international commission membership will be undertaken, including professionals in other NOA hazard mitigation fields such as toxicology, risk assessment, industrial hygiene, epidemiology and others.

In summary, the goal of the proposed new IAEG NOA Commission is to bring together the top international scientists in the field to provide much-needed guidance to industry and government authorities around the world to create best work practices and/or regulations consistent with the best science.



R. Mark Bailey, PG  
IAEG NOA Symposium Chair  
President, Asbestos TEM Labs

# 16. 12<sup>TH</sup> ASIAN REGIONAL CONFERENCE OF IAEG

## Schedule



## 12<sup>th</sup> ARC of IAEG

Date : 23 Sep (Mon)~27 Sep (Fri) 2019

Venue : Grand Ballroom, Booyong Hotel, Jeju Island  
Republic of Korea (South Korea)

Host : The Korean Society of Engineering Geology

Language : English

9/23 (MON)	9/24 (TUE)	9/25 (WED)	9/26 (THU)	9/27 (FRI)
Pre-Conference Field Trip	Opening Ceremony Keynote Lecture Technical Sessions	Keynote Lecture Half Day Tour Banquet	Keynote Lecture Technical Sessions Closing Ceremony	Post-Conference Field Trip

## Technical Program

### Keynote Lecture



**Prof. Scott BURNS**  
Dept. of Geology at Portland State  
University

Climate warming leads to more forest  
fires  
and more debris flows, with some  
delayed flows



**Prof. Masahiro CHIGIRA**  
Kyoto University

Recent large landslide hazards  
in Asian countries and their  
background.



**Dr. Fausto GUZZETTI**  
National Research Council, Research  
Institute for the Geo-hydrological Protection  
(Director of IRI),  
Perugia, Italy

Assessing landslide hazard and risk:  
what we do and what we should do.



**Prof. Yasuaki ICHIKAWA**  
Neutron Therapy Research Center, Okayama  
University

Safe disposal of radioactive wastes  
for natural disasters



**Prof. Bo-An JANG**  
Kangwon National University

Fracture development in rock  
and soil by plasma blasting



**Dr. Byung Joo LEE**  
Emeritus Researcher, KIGAM

Quaternary volcanism and geo-  
technical characteristics at Jeju Island



**Dr. Louis Wong**  
University of Hong Kong



**Prof. Faquan WU**  
Shaoxing University

## Main Theme

- Description and Behavior of Soils and Rocks
  - Soil mechanics, Rock mechanics
- Analysis and Prediction of Geo-hazards
  - Landslides and Debris flow
  - Earthquake and faulting
  - Land subsidence
- Site Investigation, Ground Characteristics and Geophysical Exploration
- Environmental Geology and Hydrogeology
- Engineering Geology in Construction and Maintenance
  - Foundations, Tunnels and Underground Space, Slopes, Dams, Earth Structures
- Application of New Technology in Engineering Geology
  - Remote Sensing, UAV, Terrestrial LiDAR etc
- High Resolution Site Characterization and Geophysical Exploration for Understanding the Fate and Transport of Contaminants in Subsurface Environment
- Technical Committee Sessions
  - C25 Engineering Geological Models

## Tour Program

Date / Time		Tour Program	Price (USD)
9/23(Mon)	09:00~17:30	Jeju Geo-Trekking Tour	\$ 70.00
	09:00~18:00	Jeju Samdado (Culture) Tour	\$ 70.00
	13:00~17:00	Geobrugg Systems in Jeju Tour	TBD
9/25 (Wed)	12:00~17:00	Jeju Geo-Park Tour	Free
9/27 (Fri)	09:00~18:00	UNESCO Natural Heritage Tour (with Dr. Byung Joo LEE)	\$ 75.00
	09:00~17:30	Jeju Culture Tour	\$ 75.00

Please click <http://www.iaegarc12.org/sub02/sub04.html> for the detailed information.

# Abstract submission deadline for 12<sup>th</sup> ARC of IAEG is extended to 31<sup>st</sup> May!

Official Website: <http://www.iaegarc12.org>  
Abstract Submission: [Abstract Submission Information](#)



## Updated Information

Please be noted of the revised information as follows.

- 1) Abstract submission deadline is now extended to **31<sup>st</sup> May**
- 2) Abstract acceptance will notified on **15<sup>th</sup> June**

## General Information



### Important Dates

- Abstract Submission Opens
- Abstract Submission Deadline
- Abstract Acceptance/Rejection Notification
- Pre-registration Opens
- Earlybird Registration Deadline (Standard Registration Opens)

**1st January**  
**31st May**  
**15th June**  
**June**  
**July**

# 17. MEETING INFORMATION

**Kathmandu, Nepal, May 12-13, 2019**

First Himalayan Engineering Geological Congress (HEGC-I)



//////Kathmandu, Nepal

The 1<sup>st</sup> Himalayan Engineering Geological Congress will be held at the Perth Convention and Exhibition Centre situated on May 12-13, 2019 in Kathmandu, Nepal. The theme of the conference is Engineering Geology and Geotechniques for Developing Countries.

Conference Date: May 12 - 13, 2019

Venue: Kathmandu, Nepal

### **Contact Information**

Chairman: Dr.Gangalal Tuladhar      Phone: +977-9827750836

Email: [info@nseg.org.np](mailto:info@nseg.org.np); [nsegnepal@gmail.com](mailto:nsegnepal@gmail.com)

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

### **Registration**

Standard: February 2, 2019 – May 10, 2019

All interested participants are requested to fill registration form available in the conference website. Registration fee will cover access to all presentation sessions, a copy of abstract volume, one dinner, conference lunches, and tea/coffee during the breaks. For the registration fee and the the points requiring attention, please click <https://nseg.org.np/hegc-i/registration/> for the details.

### **Congress Excursion**

2019.05.11: Pre-conference tour

Ex-1: A full day Kathmandu Valley tour to explore ground response and related damages during the 2015 Gorkha Earthquake

2018.05.14-16: Post-conference tour

Ex-2: Engineering Geology and Geotechnical Characteristics of Kathmandu-Pokhara area (three days)

The second circular is ready for browsing :

<https://www.dropbox.com/s/py4k34wo47uhhdh/2ndweb.pdf?dl=0>

**Cartagena, Colombia, June 15-17, 2019**

XIII International Symposium on Landslides



/////Cartagena, Colombia

The XIII International Symposium on Landslides-XIII ISL will be held from June 15 to 19, 2020 in the city of Cartagena-Colombia.

The invitation extends to all those colleagues interested in presenting articles, and in a very special way to invite students and professors of universities and research centers, and to the representatives of industry and research for the installation of stands to display software, equipment and geotechnical services. In addition to the program of the Symposium, technical visits will be organized to selected landslide sites and structures of geotechnical interest, in the surroundings of Medellín and Bogotá cities, both located in the Andean region.

#### **Contact Information**

Website: <http://www.scg.org.co/xiii-isl/>

Phone :+57-1-2694260

Email: [isl2020@scg.org.co](mailto:isl2020@scg.org.co)

Venue : Hotel las Américas

#### **Topics**

- Weather and landslides.
- Landslides and seismo-tectonic and volcanic activity.
- Landslides and Human Activities.
- Effects of landslides with emphasis on infrastructure and sustainable development.
- Landslides: Risk Assessment and Management.

#### **Call for Papers**

XIII ISL is calling for papers. Please submit your papers to [isl2020@scg.org.co](mailto:isl2020@scg.org.co) before **July 29, 2019**. The paper should be **NO LONGER THAN 8 pages** and should be submitted in **PDF format**, with the subject of **XIII ISL paper**.

Roma, Italy, June 17-20, 2019

VII International Conference on Earthquake Geotechnical Engineering



//////////Roma, Italy

The 7<sup>th</sup> International Conference on Earthquake Geotechnical Engineering (VII ICEGE) is calling for sponsors. It offers a wide variety of sponsorship opportunities created to allow each company to showcase their organisation as best suits their budget. If you have anything unclear, please feel free to contact the organisation committee by [info@7icege.com](mailto:info@7icege.com)

#### **Conference Information**

The official conference website: <http://www.7icege.com/>

Conference Date : June 17th-20th, 2019

Venue : Angelicum Conference Centre, Roma, Italy

#### **Registration**

The early –bird registraion ends on **March 8, 2019**, and the late registration begins from March 9, 2019. If you want to cancel the registration you have done, please notify the instruction below and finish it before April 15, 2019.

- Cancellation must be notified to the secretariat in writing by email or fax.
- All bank service charges suffered from AGI will be deducted from all conference registration refunds.
- If registration is cancelled before the cancellation deadline, a refund of 50% of the registration fee will be paid.

## Cinque Terre, Italy, June 18-21, 2019

### 3<sup>rd</sup> Summer School on Natural Hazards and Engineering Geology Application



#### /////Cinque Terre, Italy

The 2019 third summer school on Natural Hazards and Engineering Geology Applications will be held in Cinque Terre, Italy from June 18-21. The primary objective of this school is to provide a detailed overview of Cinque Terre and the particular relationship between gravitational processes and a man-modified environment. Starting from a sequence of selected case studies, the school will also make a more detailed analysis of rainfall thresholds, rock slope characterization and stability evaluation.

#### **Application**

- The Summer School is dedicated to PhD and master students in Earth Science and Engineering Geology. (Candidates should send an e-mail to the organizing committee on applying.)
- Participation and part of the accommodation is free of charges.
- Travel expenses are not included.
- Deadline for application: May 15, 2019

#### **Information**

Location : Cinque Terre National Park Headquarter

Manarola Railway Station, Riomaggiore (IM), Italy

E-mail : [niccolo.dematteis@irpi.cnr.it](mailto:niccolo.dematteis@irpi.cnr.it), [aldo.bertone01@universitadipavia.it](mailto:aldo.bertone01@universitadipavia.it)

Fields Trip

- Sentiero Azzurro
- Sentiero dell'Amore

Please click the link below for the detailed information.

Flyer of 2019 Summer School :

<https://www.dropbox.com/s/513zvb7uk36jab3/Flyer%20of%202019%20summer%20school.pdf?dl=0>

Program of 2019 Summer School :

<https://www.dropbox.com/s/16dq122jxb21rni/Program%20of%202019%20Summer%20school.pdf?dl=0>

Chengdu, China, June 24-26, 2019

ISRM 14<sup>th</sup> International Congress of Rock Mechanics



/////////Chengdu, China

The 6<sup>th</sup> International Conference on Earth Observation for Environmental Changes (EOEC 2019) and the 8<sup>th</sup> International Conference on Geo-information Technologies for Natural Disaster Management (GiT4NDM 2019) aim to advance research and development, as well as encourage innovative applications of Geomatics technologies in environmental change studies, geospatial information management toward implementation of sustainable development goals and 2030 smart environment and cities using artificial intelligence and deep learning; and to address the international co-operation in environmental change studies using advanced geospatial tools, spatiotemporal models and earth observation systems. The conference offers an interdisciplinary forum in the fields of remote sensing, surveying and mapping, geodesy and geosciences, geography, marine science, forestry, renewable energy, environment, transportation, natural hazards, disaster management and climate change science.

#### **Contact Information**

The official conference website:

<http://eoc2019.csp.escience.cn/dct/page/1>

Conference Date : June 24-26, 2019

E-mail:

Guoxiang Liu [rsgxliu@swjtu.edu.cn](mailto:rsgxliu@swjtu.edu.cn)

[Fang Guan eoc2019@163.com](mailto:Fang Guan eoc2019@163.com)

#### **Theme**

Earth observation and geospatial data sharing for sustainable development

#### **Important Date**

Abstract submission : April 30, 2019

Full paper submission : May 15, 2019

Registration deadline : May 1, 2019

Iguassu, Brazil, September 13-18, 2019

ISRM 14<sup>th</sup> International Congress of Rock Mechanics



### Keynote Lecture

Keynote lectures have been arranged during the congress. Regarding the summary of the keynote lecture, please click <http://isrm2019.com/>

/////Iguassu, Brazil [keynote.php for the details.](#)



**Professor Daniel Francois Malan**

South Africa

Innovative rock engineering solutions for deep tabular excavations

[Details](#)



**Dr. Erling Fjaer**

Norway

The role of rock mechanics in oil field development

[Details](#)



**Professor Giovanni Barla**

Italy

Conventional and Advanced Monitoring of Tunnels With Selected Case Histories

[Details](#)



**Dr. John Read**

Australia

The Geotechnical Engineer in Metalliferous Open Pit Mines

[Details](#)



**Professor Laura Pyrak-Nolte**

USA

Translating the Micro-scale to the Macro-scale: Signatures of Fracture Evolution

[Details](#)



**Professor Li Xiao**

China

In-situ Computed Tomography Technique in Geomechanical Testing

[Details](#)



**Professor Tarcisio Celestino**

Brazil

Engineering for Civil Underground Works in Soft Rock

[Details](#)



**Professor Yuzo Ohnishi**

Japan

Advances in numerical approaches for coupled problems in rock mechanics and recent developments in related fields

[Details](#)

### Contact Information

The official conference website: <http://isrm2019.com/>

Conference Date : September 13-18, 2019

Venue : Bourbon Cataratas Convention & Spa Resorts

E-mail: [atendimento@mci-group.com](mailto:atendimento@mci-group.com); [isrm.2019@puc-rio.br](mailto:isrm.2019@puc-rio.br)

Tel : +55-11-3056-6000

### Registration

CATEGORY	BEFORE 06/28/2019	AFTER 06/28/2019
Full	US\$ 850.00	US\$ 900.00
ISRM Members	US\$ 750.00	US\$ 800.00
Students	US\$ 100.00	US\$ 150.00
Retired and Early Career Professionals	US\$ 400.00	US\$ 450.00

### London, UK, September 18-19, 2019

#### MENA 2019 Oil & Gas Conference

Of special interest to petroleum explorationists, production geologists and petroleum engineers are our two new courses:

/////////London, UK

1. Introduction to data sciences, artificial intelligence and machine learning in hydrocarbon exploration and production

– making sense of big data, (17-18 September 2019 at the Imperial College, London, UK. Click <https://www.targetexploration.com/TARC-16.pdf> for the details)

2. Basin modelling for everyone: How a new perspective will change your life as a geoscientist, (20-21 September 2019 at the Imperial College, London, UK. For the details, please click <https://www.targetexploration.com/TARC-9.pdf>)



### Conference Information

The official conference website : <https://www.targetexploration.com>

Conference Date : September 18-19, 2019

Venue : Imperial College, 180 Queens Gate, London SW7

E-mail : [m.ibrahim@targetexploration.com](mailto:m.ibrahim@targetexploration.com)

Tel : +44-0-207-371-2240/+965-976-350

**Denizli, Turkey, October 3-5, 2019**

National Symposium on Engineering Geology and Geotechnics 2019

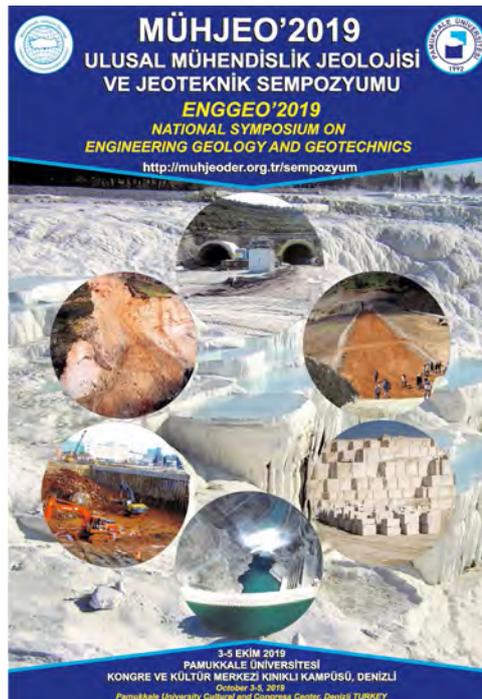
///////Denizli, Turkey



Turkish Society of Engineering Geology and Pamukkale University (in Denizli city) are organising a joint Symposium on Engineering Geology and Geotechnics - ENGGEO'2019 in Denizli, Turkey from October 3-5, 2019.

It was projected to be organized once every two years. The next one “Symposium on Engineering Geology and Geotechnics EngGeo'2019” will be performed by a joint organization between MühJeoDer and Pamukkale University on 3-5 October 2019 at Pamukkale University Kınıklı Campus in Denizli in Turkey.

The aim of the symposium is to share and discuss technical and scientific developments in the field of engineering geology and geotechnics at national and international levels, and to bring together researchers, practitioners, engineers, representatives of public and private sector and students in the same platform in a more familiar and useful way of scientific and technical sense. We would like to invite you to be together at the symposium.



### Contact Information

Website: <http://muhjeoder.org.tr/sempozyum/>

Phone :+90-250-2963366

Email: [kumsarh@gmail.com](mailto:kumsarh@gmail.com), [hkumsar@pau.edu.tr](mailto:hkumsar@pau.edu.tr)

### Themes

- Spatial planning,
- Underground openings,
- Conservation and renewal of historical monuments
- Water structures,
- Natural disasters,
- Slope stability and landslides,
- Open pit mining,
- Rock structures,
- Deep excavations

### Abuja, Nigeria, October 7-9, 2019

The XVII African Regional Conference on Soil Mechanics and Geotechnical Engineering

////////Abuja, Nigeria



The 17<sup>th</sup> African Regional Conference on Soil Mechanics and Geotechnical Engineering will be held on October 7-9, 2019 in Cape Town, South Africa. The theme of the conference is Innovation and Sustainability in Geotechnics for Developing Africa, which originates from the fact that Africa as a whole suffers from a pronounced infrastructural deficit when compared to other developed countries and regions.

### Contact Information

Website: <https://www.arc2019.org/>

Phone :+27(0) 82 323 3910      Email: [info@arc2019.org](mailto:info@arc2019.org)

**Abuja, Nigeria, October 27-30, 2019**

**2<sup>nd</sup> IAEG Africa Regional Congress & 4<sup>th</sup> NAEGE Annual International Conference**

////////Abuja, Nigeria



The 2<sup>nd</sup> IAEG Africa Regional Congress & 4<sup>th</sup> NAEGE Annual International Conference will be held on October 27-30, 2019 in Abuja, Nigeria. The theme of the conference is Environmental and Engineering Geological Mapping for Sustainable Development, which reflects on the role of geology in the sustainable development of African Countries.

**Contact Information**

Website: <https://www.naege.org.ng/>

Phone :+234 8037252177/8033100474

Email: [info@naege.org.ng](mailto:info@naege.org.ng) [naegesecretariat@gmail.com](mailto:naegesecretariat@gmail.com)

Venue : Hotel De Bently, Plot 892 Ngozi Okonjo Iweala Street, Utako District, Abuja, Nigeria

**Important Date**

April 1 : Call for Abstract

May 1 : Online Registration

August 15 : Deadline for Abstract Submission

August 20 : Notifications of Abstract Decisions

Please click <https://www.dropbox.com/s/87mxkxammw1voow/FLYER-FINAL.pdf?dl=0> for the final flyer of the conference.



# 2<sup>nd</sup> IAEG AFRICA REGIONAL CONGRESS

&

## 4<sup>th</sup> NAEGE ANNUAL INTERNATIONAL Conference

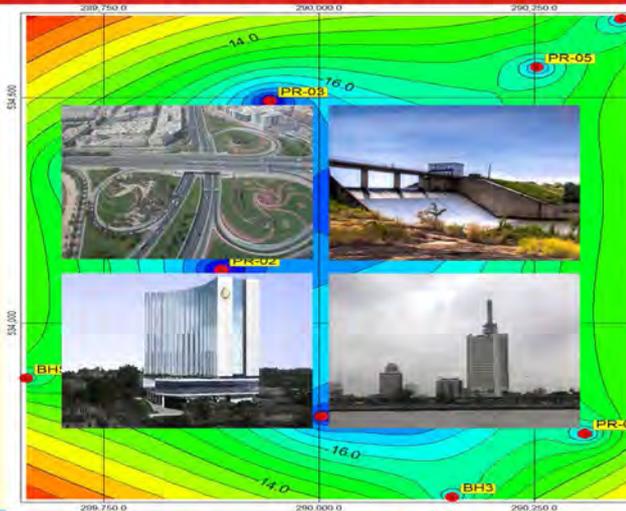
### ABUJA 2019

Online registration @ [www.naege.org.ng](http://www.naege.org.ng)

## Theme: ENVIRONMENTAL AND ENGINEERING GEOLOGICAL MAPPING FOR SUSTAINABLE DEVELOPMENT

### SUB-THEMES

- Engineering Geological Mapping for sustainability of Structures
- Environmental Geological Mapping for Urban Series
- Spatial Distribution of Geo-Materials (Naturally Occurring Construction Materials)
- Environmental Geological Mapping of Coastal Hazards
- Engineering Geological Mapping for Mitigation of Mining and Drilling Hazards
- Geo-mapping for Sustainable Waste Management
- Engineering Geology and stability of Structures in Seismically Prone Areas
- Material Testing for Sustainability of Roads



### CONFERENCE FEES

- MEMBERS: - N10,000
- NON-MEMBERS/FELLOWS - N15,000
- STUDENTS: - N3,000
- INSTITUTIONAL MEMBERS - N50,000
- INTERNATIONAL PARTICIPANTS - \$150

### PAYMENT SCHEDULE

ALL PAYMENTS ARE TO BE MADE IN FAVOUR OF:  
ACCOUNT NAME:  
NIGERIAN ASSOCIATION FOR ENGINEERING GEOLOGY AND THE ENVIRONMENT

ACCOUNT NO. 0018511487  
BANK: STANBIC IBTC

### CALL FOR PAPERS

All Abstracts and Full papers are to be submitted to Chairman, Technical sub-committee in MS-word format to

DR. SALOME WAZIRI  
+234 7035983684  
salwaz1969@gmail.com

Deadline for submission of Abstracts  
15th August, 2019

### VENUE:

HOSTEL DE BENTLY  
Plot 892 Ngozi Okonjo Iweala Street,  
Utako District, Abuja, Nigeria

### DATE:

27<sup>th</sup> - 30<sup>th</sup>  
OCT., 2019

### R S V P

HOST:  
PROF. KINGDOM ABAM (National President)  
+234 8032110474  
groundcases@yahoo.com

NELSON AMANGILE (LOC Chairman)  
+234 803800209  
npsamangile@gmail.com

OBASHOLA FIJABI (LOC Secretary 1)  
+234 7084760794  
fijabi@gmail.com

ABIMBOLA ALUKO (National Secretary)  
08037252177  
abimboran@gmail.com

PROF. M.N. TIJANI (Editor-in-Chief)  
+234 803252039  
tmshood@gmail.com



- INTERNATIONAL ASSOCIATION FOR ENGINEERING GEOLOGY AND THE ENVIRONMENT
- NIGERIAN ASSOCIATION FOR ENGINEERING GEOLOGY AND THE ENVIRONMENT

**Cairo, Egypt, November 10-14, 2019**

GeoMEast 2019 International Congress & Exhibition

/////Cairo, Egypt



The GeoMEast 2019 International Conference will be held in Cairo on November 10-14, 2019. This is the third in this series of such conferences to be held in Middle East's great cities.

This conference includes keynote lectures, invited lectures, technical sessions, poster presentations, workshops, technical meetings, social and technical visits. GeoMEast 2019 will provide some awards; such as: best paper awards, best presenter awards, best student presenter awards, industrial project, and others.

Conference Theme : **Sustainable Civil Infrastructure: Beyond The Horizon.**

#### **Information**

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

Email: [info@geomeast2019.org](mailto:info@geomeast2019.org)

Promo Video: <https://youtu.be/wSlb1qpXigs>

Invitation File: [https://drive.google.com/file/d/1KIOjN0ycowXYEz8J9W62zEw7c9P\\_OGdZ/view?usp=sharing](https://drive.google.com/file/d/1KIOjN0ycowXYEz8J9W62zEw7c9P_OGdZ/view?usp=sharing)

#### **Important Dates**

Deadline for full-papers submissions: June 30, 2019

Deadline for Early-Birds registration: April 15, 2019

Full-Papers Submission Deadline : June 30, 2019 @11:59PM (your country time).

Early-Birds Registration Deadline : April 15, 2019 @11:59PM (your country time).

•It is our pleasure to invite you to submit full papers for the GeoMEast2019 International Congress and Exhibition [<https://www.geomeast.org/>] to be held in Cairo, Egypt during the period of November 10 to 14, 2019 at Marriott Cairo Historical Hotel (since 1860) on the bank of the Immortal Nile and Near to the Great Pyramids!

•We have received over 400 abstracts from +40 countries. We look forward to receive your full paper submissions! The proceedings will be published by Springer and will be submitted seeking for indexation in EI, SCOPUS, WoS Thomson Reuters. As per the organizing committee decision, you can submit Full-Papers directly without a base of accepted abstracts. You have to follow the template and attach the copyright transfer file during your submission. Kindly check them at: <https://geomeast.org/En/70/Details>

•GeoMEast2019 [Sustainable Civil Infrastructures] conference is endorsed by a number of leading national and international professional organizations; including: TRB, ASCE, ICE, ISSMGE, IAEG, ISRM, DFI, ARMA, CSCE, ASTM, IABSE, GMA-IFAI, ACI. The 1st Invitation book is attached here. All GeoMEast 2019 tracks could be found here: <http://www.geomeast.org/En/8/Details>.

•GeoMEast2019 [Sustainable Civil Infrastructures] conference is endorsed by a number of leading national and international professional organizations; including: TRB, ASCE, ICE, ISSMGE, IAEG, ISRM, DFI, ARMA, CSCE, ASTM, IABSE, GMA-IFAI, ACI. GeoMEast 2019 tracks could be found here: <http://www.geomeast.org/En/8/Details>

**Delhi, India , March 2-8, 2020**

36<sup>th</sup> International Geological Congress

/////Delhi, India



**36<sup>th</sup> International Geological Congress**

**2-8 March, 2020, Delhi, India**

India had the privilege of organising the 22<sup>nd</sup> session of IGC at New Delhi in 1964 (click to see details). This was the first IGC in Asia. Thus, the IGC is returning to Indian subcontinent after a gap of 56 years. 36<sup>th</sup> IGC is a Government of India funded project under the aegis of Ministry of Mines and the Ministry of Earth Sciences. Geological Survey of India is the Nodal agency for organizing this conference with active support of Indian National Science Academy (INSA) and the support of science academies of Bangladesh, Nepal, Pakistan and Sri Lanka. Organizing this event envisages support and cooperation from all geoscientific organizations, institutes and geoscientists of India and Indian sub-continent.

The preparatory activities for congress are being looked after by a six member Preparatory Committee with 36th IGC, Secretariat as the front office.

### Contact Information

Website: <http://36igc.org/index.php> Phone :+91-11-29965750

Email: [igc.delhi2020@nic.in](mailto:igc.delhi2020@nic.in) [igc.delhi2020@gmail.com](mailto:igc.delhi2020@gmail.com)

Venue : India Expo Centre & Mart

### Main Theme

Geosciences: The Basic Science for a Sustainable Future

### Circulars

Two circulars have been released. You can visit <http://36igc.org/FINALFirstCircular.pdf> and <http://36igc.org/SecondCircular.pdf> for the detailed information.

### Culture and Heritage

The subcontinent has rich and ancient civilization having a continuity of more than three thousand years. It is a land of diverse culture. It has a multi religious, multi ethnic, multi lingual population that coexists in harmony. Perhaps, this is the only region with such a variety of art forms and colourful festivals. This variety is also reflected in the Indian cuisines from various regional territories of the country. To experience the vibrant culture and the civilization of the subcontinent is itself an enormous attraction for the world.



**Delft-Gouda, Netherland, April 20-24, 2020**

Tenth International Symposium on Land Subsidence

////Delft-Gouda, Netherland

**TISOLS**

Tenth International Symposium on Land Subsidence  
**20 - 24 April 2020, The Netherlands**



The Tenth International Symposium on Land Subsidence (TISOLS) will take place in Delft - Gouda, the Netherlands from April 20-24, 2020.

New innovative technologies and approaches are needed to reduce or, in the best case, to stop land subsidence. TISOLS2020 intends to bring together 300+ international experts to share the latest research and insights on natural and anthropogenic land-level lowering.

At TISOLS2020 in the Netherlands, we provide a platform to share our understanding of land subsidence, reliable data, and innovative techniques. Ultimately, we aim to increase the acknowledgement of the land subsidence problem in order to devise targeted strategies and solutions for long-term sustainable living conditions in subsiding areas. This means that at TISOLS we take on the challenge that lies in linking hydrological, geotechnical and geological knowledge to policy and socially acceptable solutions.

TISOLS is organized under the auspices of the Unesco IHP Land Subsidence International Initiative. This working group has endeavored to improve and disseminate knowledge on land subsidence since the 1970s, through International Symposia on Land Subsidence, collaborative projects and publications.

#### **Contact Information**

Website: <https://www.tisols2020.org/>

Phone :+31-0-1527-88213

Email: [tisols2020@tudelft.nl](mailto:tisols2020@tudelft.nl)

Venue : Delft University of Technology

Aula conference centre, building 20 Mekelweg 5, 2628 CC Delft

#### **Themes and Topics**

- Measuring and Monitoring of Subsidence,
- Understanding Subsidence Mechanism,
- Modelling of subsidence (predictive and inverse),
- Impacts of Subsidence (Societal Cost Benefit Analyses, damage

estimates, damage to cultural heritage),

- Measures against Subsidence (mitigation/adaptation, governance, financial, technical).

### **Registration**

Start around the summer of 2019

Registration Fee

- Registration fee (week pass) for participants is €650, (includes gala dinner, lunches, coffee break and one-day field trip).

- PhD students registration fee (week pass) is €500, (includes lunches, coffee break, one-day field trip).

- MSc students are enjoying a strongly reduced fee for a week pass of €100, (includes lunches, coffee break, one-day field trip).

- One day passes are available for €150, (lunch, and coffee break).

- Sponsoring for scholars from low income countries is available.

### **Cordoba, Argentina, September 7-10, 2021**

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

**//////Cordoba, Argentina**

It has been approved that IAEG South American Regional Conference will be held on September 7-10, 2021, in occasion of the 2021 Congress of the IAEG National Group of Argentina. The details of the conferences will be carried on the coming IAEG Newsletter.

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