



# IAEG

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## NEWSLETTER

Issue No.3,2018

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. EXECUTIVE COMMITTEE AND COUNCIL MEETING 2018

The 2018 IAEG Executive Committee meeting and Council Meeting was held on September 14 - 16, 2018 in Hyatt Regency Hotel, San Francisco, USA. The president, Scott Burns, chaired the meeting and gave a welcome speech to all the attendees. The president, Secretary General, Treasurer, Vice Presidents, Editor in Chief of Bulletin, and the person in charge of IAEG Website have given their reports respectively.



Photo of the council meeting in San Francisco

## **Report of the President**

President Scott Burns briefly introduced the 13th IAEG Congress and extended a warm welcome to all the participants attending the meeting.

Looking back over the past four years on the development of IAEG, Scott gave thanks to all the members of Executive Committee and the Council. Under the endeavor of the outstanding officers of the Executive Committee and the Council members, IAEG has established and reactivated a good number of national groups. With the cooperation of the national groups and commissions, a great number of super meetings were successfully organized all over the world, such as New Delhi, Bulgaria, Zambia, China and Nepal during the past four years.

In addition to the Newsletter of IAEG, Scott has launched the weekly IAEG Connector and distributed it electronically to all members, so as to get better communication with all IAEG members.

## **Report of the Secretary General**

The Secretary General Faquan Wu reported the membership progress of IAEG in 2018.

In 2018, IAEG has got inspiring news from national groups. Croatia and Iceland National Group have got reactivated; potential new national groups are to be established, such as Bhutan and Myanmar.

In order to improve the communication with all the IAEG members, the Secretariat has applied Mailchimp to send the Newsletter and Meeting Information directly to all the IAEG members since

December of 2017.

Faquan Wu summarized his four years' work as Secretary General on the aspects of membership, national groups, Newsletter, conferences, awards, online survey and communication with all IAEG members. He especially introduced the over-review of the membership from 2011-2018 by showing statistics extracted from national groups.

On the future and development of IAEG, the Secretary General talked from six respects: Keeping Raising Efficiency of IAEG, Improving the Activity of Commissions, Increasing the Self-value Recognition of IAEG, Attention on the Promotion of Enterprise Members, Innovations on the IAEG Science and Technology Awards and International Research Program, and Concerns on Online Survey. All these concrete measures ensure that IAEG will vigorously develop and grow under the efforts of all the IAEG members.

### **Financial Report for 2018 - 2020**

The financial report of 2017 was presented by Jean-Alain Fleurisson. He reported the financial status of IAEG in the past year, including the specific figures of the revenues, expenses and debts. The net operating result for 2017 is negative with a value of -39003.07€, and the net assets represented a global sum of 388546€.

Since the new fee structure and level will be implemented from 2019, it is possible to get balanced budgets for 2019 and 2020.

### **Report regarding the Bulletin**

Martin Claws gave a thorough report as the Editor-in-chief of Bulletin on the problems that Bulletin is faced with and the suggestions should be considered, which included:

1. The Bulletin continues to be in a strong position however it is now growing more slowly;
2. Papers have been submitted over 50 different countries;
3. The Editorial Board has representatives from 25 different countries;
4. Rejection rate remains high, almost 80% in 2017;
5. The impact factor, 1.825, is slightly lower than 2016;
6. Martin introduced the new Editors-in-Chief Louis Wong and Resat Ulusay who will take over the Bulletin since 2019;
7. From 2019 the Bulletin will be digital only.
8. Plagiarisation is on the rise.

### **Report regarding the IAEG Website**

Professor Giorgio Lollino gave a brief report on Web Construction of IAEG during the past year.

He first summarized the IAEG website scanning from the aspects of geographic distribution and attractive columns. He pointed out that visitors of IAEG Website are mainly from USA, China and India; and the most visited area last year is related to the column of congress due to the XIII IAEG Congress in San Francisco. Therefore, to complete all the missed IAEG Congress proceedings and get them uploaded on the website is important for attracting more website visitors.

He then mentioned that the website of YEG (Young Engineering Geologists) has been started since the beginning of May 2018, which is managed by Louise Vick.

At last, Giorgio Lollino mentioned the GDPR (General Data Protection Regulation) applied within the European Union, and pointed out the importance of entrusting a professional expert to apply this regulation.

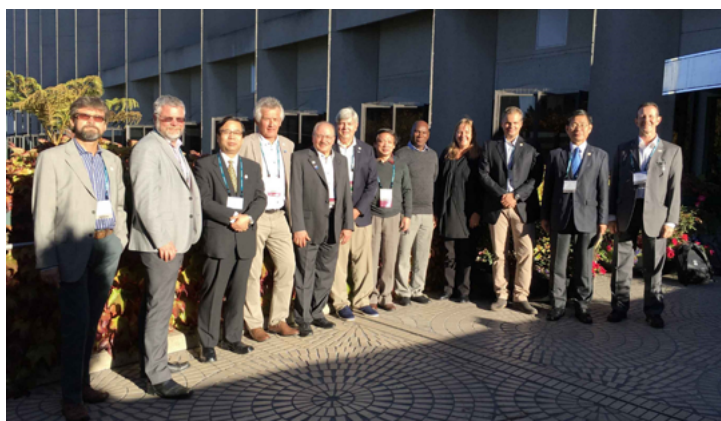


Group photo of IAEG Council Meeting

## Agreements and Decisions made in the Council Meeting

### 1. New Executive Committee Members for the term of 2019-2022

The Executive Committee Members are elected by secret ballot on the council meeting for the term of 2019-2022 (See the **ELECTION RESULT OF IAEG OFFICERS FOR 2019-2022** as followed).



Group photo of new executive members of 2019-2022

### 2. IAEG Awards

On the council meeting, Professor Runqiu Huang from China was approved as the winner of 2018 Hans Cloos Medal, Dr. Louis Primel from France the winner of 2018 Marcel Arnould Medal.

In addition to the two big prizes, 2018 honorary president and membership were also decided: the past president Ricardo Oliveira from Portugal as the honorary president of IAEG, and Professor Cristian Marunteanu from Romania as the IAEG honorary membership.

### 3. Amendments to IAEG Statutes and Bylaws

The two motions of amendments on IAEG Statutes and By laws have been approved by the Council.

#### **Motion 1:**

##### **Amendment on Statutes Article VI - ADMINISTRATION**

**Previous :** The Vice-Presidents are chosen from different geographic areas or regions: Africa,

Asia, Australasia, Europe, North America and South America. One Vice-President will be chosen from each designated region except that two will be chosen from Europe. Council may approve the addition of new vice-presidents or vice presidential regions as may be appropriate.

**Revised: The posts of Secretary General and Treasurer can be held by one individual each.** The Vice-Presidents are chosen from different geographic areas or regions: Africa, Asia, Australasia, Europe, North America and South America. One Vice-President will be chosen from each designated region except that two will be chosen from Europe and Asia. Council may approve the addition of new vice-presidents or vice presidential regions as may be appropriate.

#### **Motion 2:**

##### **Amendment on Bylaws A. Administration**

#### **Previous:**

3.1 The Executive Committee comprises the President, Vice-Presidents, Secretary General, Treasurer and Immediate Past President of IAEG.

3.3 Voting will be on the basis of one vote per member present. If a member is unable to attend, another member may be authorised to vote on their behalf, provided the Secretary General is informed in writing, prior to the meeting.

#### **Revised:**

3.1 The Executive Committee comprises the President, Vice-Presidents, Secretary General, Treasurer and, Immediate Past President of IAEG and any invited ex-officio members.

3.3 Voting will be on the basis of one vote per member present (ex-officio members cannot vote).

If a member is unable to attend, another member may be authorised to vote on their behalf, provided the Secretary General is informed in writing, prior to the meeting.

### 4. IAEG Commissions

Commission 38 (Rockmass Characterization with Emphasis in Rock Slope Hazards) proposed by Dr. Haris Saroglou from Greece was approved on the council meeting.

### 5. Date and Venue of 2019 Executive and Council Meeting

The 2019 Executive and Council Meetings will be held during 12th Asian Regional Conference of IAEG in Jeju Island, Korea on September 23-27, 2019.

# /2. ELECTION RESULT OF IAEG OFFICERS FOR 2019-2022



<b>President:</b>	Prof. Scott Burns
<b>Past President:</b>	Prof. Carlos Delgado
<b>Secretary General:</b>	Prof. Wu Faquan
<b>Treasurer:</b>	Dr. Jean-Alain Fleurisson
<b>Vice Presidents</b>	
Africa:	Prof. Louis Van Rooy
Asia:	Dr. Yogendra Deva
Australasia:	Dr. Mark Eggers
Europe:	Prof. Giorgio Lollino
	Prof. Rafig Azzam
North America:	Dr. Jeffrey Keaton
South America:	Dr. Maria Heloisa Frasca

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Shaoxing University  
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Tel./Fax: +86 -0575 -8834 6551, Mobile: +86 13910509506  
Email: [iaegsg@163.com](mailto:iaegsg@163.com)

## Election Result of IAEG Officers for 2019-2022

Dear colleagues,

The election of officers for the Executive Committee of term 2019-2022, took place at the Council Meeting by secret ballot during the 13th IAEG International Congress in San Francisco, on September 16, 2018. The new officers of Executive Committee for term 2019-2022 was elected as:

President	Rafig Azzam (Germany)
Secretary General	Faquan WU (China)
Treasurer	Jean-Alain Fleurisson (France)
Vice-Presidents	
Asia	Huiming Tang (China)
Asia	Bo-An Jang (Korea)
Africa	Tamunoene Kingdom Simeon ABAM (Nigeria)
Australasia	Doug Johnson (New Zealand)
Europe	Eugene Voznesensky (Russia)
Europe	Vassilis Marinos (Greece)
North American	Jean Hutchinson (Canada)
South American	Norberto Jorge Bejerman (Argentina)

President (Signature):

October 25th, 2018



# /3. NOTIFICATION OF IAEG AWARDS

## NOTIFICATION OF HANS CLOOS MEDAL RECIPIENT



<b>President:</b>	Prof. Scott Burns
<b>Past President:</b>	Prof. Carlos Delgado
<b>Secretary General:</b>	Prof. Wu Faquan
<b>Treasurer:</b>	Dr. Jean-Alain Fleurisson
<b>Vice Presidents</b>	
Africa:	Prof. Louis Van Rooy
Asia:	Dr. Yogendra Deva
Australasia:	Dr. Mark Eggers
Europe:	Prof. Giorgio Lollino
	Prof. Rafiq Azzam
North America:	Dr. Jeffrey Keaton
South America:	Dr. Maria Heloisa Frascá

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

## NOTIFICATION OF HANS CLOOS MEDAL RECIPIENT

Dear Professor Runqiu Huang and Professor Shengwen Qi,

I am very pleased to inform you that the recipient of Hans Cloos Medal 2018 is Professor Runqiu Huang, nominated by the Chinese National Group. The decision is made at the Executive Committee Meeting held in Paris on 18th May, 2018. With the secret votes by the Executive Committee members on four candidates nominated by National Groups Australia, Bangladesh, China and USA, the Executive Committee decided to award the Hans Cloos Medal for the year 2018 to Professor Runqiu Huang for his excellent contribution to the development of engineering geology.

Congratulations to Professor Runqiu Huang and the Chinese National Group!

Best Regards,

Professor Scott Burns  
President of International Association for Engineering Geology and the Environment  
Portland State University, Dept. Of Geology  
Tel :503-725-3389 Email: [burnss@pdx.edu](mailto:burnss@pdx.edu)

## NOTIFICATION OF MARCEL ARNOULD MEDAL RECIPIENT



<b>President:</b>	Prof. Scott Burns
<b>Past President:</b>	Prof. Carlos Delgado
<b>Secretary General:</b>	Prof. Wu Faquan.
<b>Treasurer:</b>	Dr. Jean-Alain Fleurisson
<b>Vice Presidents</b>	
Africa:	Prof. Louis Van Rooy
Asia:	Dr. Yogendra Deva
Australasia:	Dr. Mark Eggers
Europe:	Prof. Giorgio Lollino
	Prof. Rafiq Azzam
North America:	Dr. Jeffrey Keaton
South America:	Dr. Maria Heloisa Frascá

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

## NOTIFICATION OF MARCEL ARNOULD MEDAL RECIPIENT

Dear Louis Primel and Aline Quenez,

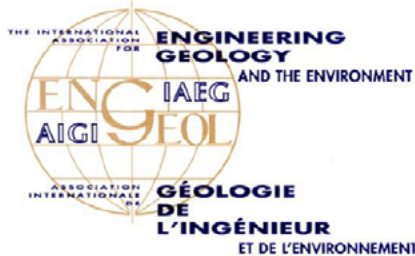
I am very pleased to inform you that the recipient of Marcel Arnould Medal 2018 is Dr. Louis Primel, nominated by the French National Group. The decision is made at the Executive Committee Meeting held in Paris on 18th May, 2018. With the secret votes by the Executive Committee members on three candidates nominated by National Groups China, France and Nigeria, the Executive Committee decided to award the Marcel Arnould Medal for the year 2018 to Dr. Louis Primel for his significant contribution to the engineering geology profession in the region and his outstanding service to the Association.

Congratulations to Dr. Louis Primel and the French National Group!

Best Regards,

Professor Scott Burns  
President of International Association for Engineering Geology and the Environment  
Portland State University, Dept. Of Geology  
Tel :503-725-3389 Email: [burnss@pdx.edu](mailto:burnss@pdx.edu)

## NOTIFICATION OF 2018 RICHARD WOLTERS PRIZE



<b>President:</b>	Prof. Scott Burns
<b>Past President:</b>	Prof. Carlos Delgado
<b>Secretary General:</b>	Prof. Wu Faquan.
<b>Treasurer:</b>	Dr. Jean-Alain Fleurisson
<b>Vice Presidents</b>	
Africa:	Prof. Louis Van Rooy
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Australasia:	Dr. Mark Eggers
Europe:	Prof. Giorgio Lollino
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## NOTIFICATION OF 2018 RICHARD WOLTERS PRIZE

Dear Colleagues,

This is the formal notification to inform you that the winner of 2018 Richard Wolters Prize is Dr. Weian Chao nominated by the Chinese Taipei Regional Group, and the runner-up is Dr. Sarah Bastin nominated by the Vice-President for Australasia.

The Contest of 2018 Richard Wolters Prize was held on 17th September, 2018 in San Francisco, USA during the 13<sup>th</sup> IAEG Congress. With the comprehensive judgement by the RWP Jury on four candidates from China, Chinese Taipei, New Zealand and Russia, the RWP Jury decided to award the winner of 2018 Richard Wolters Prize to Dr. Weian Chao and runner-up to Dr. Sarah Bastin for their meritorious scientific achievements and contributions to engineering geology.

Congratulations to Dr. Weian Chao and Dr. Sarah Bastin!

Best Regards,

President (Signature):

Secretary General (Signature):

October 25<sup>th</sup> 2018



## NOTIFICATION OF HONORARY PRESIDENT



<b>President:</b>	Prof. Scott Burns
<b>Past President:</b>	Prof. Carlos Delgado
<b>Secretary General:</b>	Prof. Wu Faquan.
<b>Treasurer:</b>	Dr. Jean-Alain Fleurisson
<b>Vice Presidents</b>	
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Australasia:	Dr. Mark Eggers
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## NOTIFICATION OF HONORARY PRESIDENT

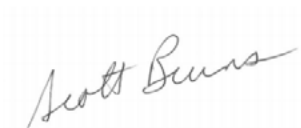
Dear Colleagues,

The Council has approved the proposal of appointing Prof. Ricardo Oliveira from the Portuguese National Group as the Honorary President of IAEG at the Council Meeting was held on 16th September, 2018 in San Francisco, USA, considering his extraordinary and long-term merits and for the prosperity and development of IAEG.

Congratulations to Prof. Ricardo Oliveira!

Best Regards,

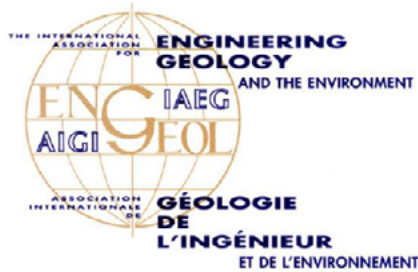
President (Signature):



Secretary General (Signature):



## NOTIFICATION OF HONORARY MEMBERSHIP RECIPIENT



<b>President:</b>	Prof. Scott Burns
<b>Past President:</b>	Prof. Carlos Delgado
<b>Secretary General:</b>	Prof. Wu Faquan
<b>Treasurer:</b>	Dr. Jean-Alain Fleurisson
<b>Vice Presidents</b>	
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Email: [iaegsg@163.com](mailto:iaegsg@163.com)

## NOTIFICATION OF HONORARY MEMBERSHIP RECIPIENT

Dear Professor Cristian Marunteanu and Professor. Mihaela Stănciuc,

I am very pleased to inform you that the recipient of HONORARY MEMBERSHIP is Professor Cristian Marunteanu, nominated by the Romanian National Group. According to the decision made by the Executive Committee at the Executive Committee Meeting held in Paris on 18th May, 2018, they decided to award the HONORARY MEMBERSHIP to Professor Cristian Marunteanu for his exceptional services to the Association.

Congratulations to Professor Cristian Marunteanu and the Romanian National Group!

Best Regards,

Professor Scott Burns  
President of International Association for Engineering Geology and the Environment  
Portland State University, Dept. Of Geology  
Tel :503-725-3389 Email: [burnss@pdx.edu](mailto:burnss@pdx.edu)

# /4. 13<sup>TH</sup> IAEG CONGRESS AND 61<sup>ST</sup> ANNUAL MEETING OF AEG

## Opening Ceremony

The 13th International Conference on Engineering Geology and the Environment (13th IAEG Congress) and the 61st AEG Annual Meeting of the Association of Environmental and Engineering Geologist (AEG) were held on September 17th - 23rd, 2018 in San Francisco, USA. The international conference of IAEG is held once every four years, which is the first joint meeting between IAEG and AEG as well.

The theme of the conference was “Engineering Geology for a Sustainable World”. There were 42 hot topics on the conference, including IAEG Hans Cloos Lecture, AEG Jahns Distinguished Lecturer, around 10 international invited reports and over 400 oral reports. In addition, there were more than 300 poster exchanges and various pre-conferences, in-meeting and post-conference exploration routes. At the same time, the IAEG and AEG international competition and awards ceremony, as well as the International Young Scholars Forum, were held during the conference. Over 900 participants from 51 countries attended the conference, among whom there were 90 delegates from China, nearly one-tenth of the total numbers of the attendees.



Group photo of the Opening Ceremony

## Technical Sessions

Among the 42 topics, General Dam Symposium was very highlighting, which included 7 half-day sessions. The theme of this year's symposium is “Infrastructure Improvements to Dams and Levees”. Topics of keen interest include international dam infrastructure and improvements to existing structures, as well as a variety of case histories from the United States and other countries.

There were two keynote lectures. The first was given by Professor J. David Rogers, who focused on California's Experience on dams and disasters. The second keynote lecture delivered by Dr. Donald A. Bruce concentrated on the Application of the Deep Mixing Method for Dam and Levee Remediation.

## Awarding

At this conference, important award and honorary title were conferred for the scholars who achieved distinguished achievement or made great contribution to IAEG. Professor Runqiu Huang from Chengdu University of Technology in China won the IAEG Lifetime Achievement Award --- Hans Cloos Medal, who gave a keynote speech as well as the HCM Lecture shortly after the Awarding Ceremony; past

IAEG Secretary-General Dr. Louis Primel (France) won the IAEG Contribution Award --- Marcel Arnould Medal; Dr. Wei-An Chao from Chinese Taipei won the winner of Richard Wolters Prize and Dr. Sarah Bastin from New Zealand won the runner-up of Richard Wolters Prize.



President Scott Burns presenting the Hans Cloos Medal to Professor Runqiu Huang      Scott Burns presenting the Richard Wolter Prize to Dr. Weian Chao

## New Executive Members for 2019-2022

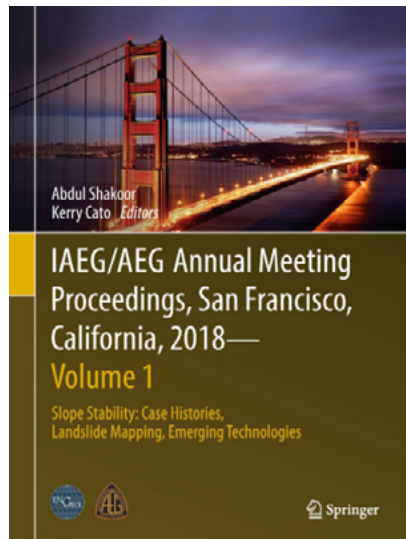
The IAEG Board of Directors elected the new term (2019-2022) of IAEG Executive Committee. The Executive Committee consist of 12 members, including the president, the immediate past president, the secretary general, the treasurer and the vice presidents who are responsible for their own continents. The editor in chief of Bulletin and the web-editor in cheif will also be invited to attend the executive meeting in the future.

## Approval for the Upcoming Important IAEG Events

The Council approved the proposal and decided that the 14th IAEG Congress would be held in Chengdu, China from September 15th -20th, 2022, with the theme of Engineering Geology for Future. The Council also decided that the 2019 Executive Committee and Council Meeting would be held during the 12th Asian Regional Conference on September 23th -27th, 2019 in Jeju Island, South Korea.

## Meeting Proceedings

Cooperating with Springer International Publishing, the meeting published 6 volumes of proceedings, available online reading now, on analyzing the dynamic role of engineering geology in our changing world.



Cover of one out of six volumes, IAEG/AEG annual meeting proceedings

<https://www.springer.com/us/book/9783319931234>

## IAEG Booth



AEG provided exhibit booths during the meeting. IAEG displayed 7 posters of the history of IAEG, IAEG 50th Anniversary Book, the official journal of IAEG Bulletin, IAEG YEG leaflet and promotion materials for 12th ARC of IAEG in Jeju, Korea in 2019.

## FedIGS Meeting

The 2019 FedIGS meeting took place on September 24, 2018 in Hyatt Regency Hotel San Francisco, USA, with participants from ISSRM, ISRM, IAEG and IGS. The president of FedIGS, Professor Xiating Feng chaired the meeting.

Xiating Feng introduced the goals of FedIGS firstly, and then proposed some ideas for the operation of FedIGS by four items. At last, he suggested a list of items to be discussed regarding the strategy and future of FedIGS.

Representatives from member societies also gave their reports on the meeting respectively.

IAEG president Scott Burns summarized XIII IAEG Congress and 61st AEG Annual Meeting, and

introduced the election of new IAEG officers for the term of 2019-2022. He also put forward the questions of “how to define the age of young professionals” for open discussion, as ISRM defined it as 35 which ISSMGE 36.

The ISRM president Eda introduced the rename of ISRM (from International Society for Rock Mechanics to International Society for Rock Mechanics and Rock Engineering), as well as the new president (for the term of 2019-2022) of ISRM, professor Resat Ulusay from Turkey. She also introduced the education fund set up to encourage activities related to education.

The ISSMGE President talked about the ideology of ISSMGE and introduced the highlighted resources of the society and recent activities related.

Regarding bringing new members to FedIGS, Scott introduced three potential societies. Considering some of them do not have connection with geo-engineering, it was agreed to firstly contact IAH and ICOLD since water is important for geo-engineering.



Group photo of 2018 FedIGS in San Francisco



# /5. MEMBERSHIP UPDATE 2018

By August 24, 2018, the members of IAEG reached 4383 from 61 national/regional groups, 1793 with Bulletin, 2566 without Bulletin, 18 associated members and six individual members. The Bulletin will be delivered to the members through the email address provided by the national groups. Please contact the PIC of your national group if there is any change in your email address.

VP	No.	NG	total	With B.	Without B.	Associate members
Mark Eggers	1	Australia	296	135	160	1
	2	New Zealand	422	170	252	0
Giorgio Lollino	3	Albania				
	4	Austria	21	10	11	0
	5	Bulgaria	16	10	6	0
	6	Croatia	30	11	19	0
	7	Cyprus				
	8	France	158	101	48	9
	9	Georgia	15	4	11	0
	10	Greece	81	24	57	0
	11	Hungary				
	12	Italy	77	71	6	0
	13	Portugal	67	38	28	1
	14	Romania	22	15	7	0
	15	Serbia	15	8	7	0
	16	Slovenia				
	17	Spain	46	46	0	0
	18	Switzerland	73	73	0	0
	19	Turkey	145	8	137	0
Rafiq Azzam	20	Netherlands	36	36	0	0
	21	Lithuania				
	22	The United Kingdom	278			
	23	Belgium	73	37	36	0
	24	Czech Republic	25	12	13	0
	25	Denmark				
	26	Estonia				
	27	Finland				
	28	Germany	509	48	461	0
	29	Iceland	12	12	0	0
	30	Ireland				
	31	Norway				
	32	Poland				
	33	Russia	85	30	55	0
	34	Slovak Republic	7	3	4	0
	35	Sweden	36	36	0	0
Louis VanRooy	36	Algeria				
	37	Nigeria	22	6	16	0
	38	South Africa	208	13	195	0
Jeff Keaton	39	Canada	86	76	10	0
	40	Mexico				
Maria Heloisa	41	USA	183	52	131	0
	42	Argentina	29	29	0	0
	43	Brazil	29	17	11	1
	44	Colombia	15	14	1	0
	45	Paraguay	38	0	38	0
	46	Peru				
Yogendra Deva	47	Bangladesh	41	1	40	0
	48	China	591	227	364	0
	49	Chinese Taipei	57	0	57	0
	50	HongKong SAS				
	51	India	82	30	52	0
	52	Indonesia				
	53	Iran				
	54	Iraq	11	2	9	0
	55	Japan	91	79	6	6
	56	Korea	125	0	125	0
	57	Malaysia	37	5	32	0
	58	Nepal	88	3	85	0
	59	Singapore	79	3	76	0
	60	SEAGS	20	20	0	0
	61	Vietnam				
Individual Member			6			
Total			<b>4383</b>	<b>1793</b>	<b>2566</b>	<b>18</b>

## /6. EVENTS FROM NATIONAL GROUPS

### Albania National Group

Since the date of the foundation of the National Albanian Group of IAEG, (International Association of Engineering Geology) has had a very intensive activity.

The work has continued the regular activities in many workshops held in Albania for different topics on Landslides, Water resources, the Environmental issues for the hot points in Albania, Geohazards etc.

We have participated in all events regarding the public interesting on the environmental problems „also we have organized some discussions in Albanian TV. „The members of our Association are preferred in important debates regarding Geological Phenomena.

We have participated in many activities of IAEG, giving our modest contribution

The members of our association are involved and contributed in many scientific works in Albania and, have participated in many international projects regarding environmental issues in Albania.

The main topics of our Association are:

- Geohazards
- Pollution
- Water Resources
- Environmental-Geological mapping
- Seismic studies in lowland of Albania
- Public participation on the environmental issues.

Now, it is collaborating with two companies:

- NORD COMAT Company and;
- Konsulenca Gjeologjike (Eng. Ramazan Myrto)

NORD COMAT Company is supported by a certified LAB, where we can realize all the kind of the analysis.

**President of Albanian National Group of IAEG**  
**Prof Dr Defrim SHKUPI**

### Argentina National Group



ASOCIACIÓN ARGENTINA  
DE GEOLOGÍA APLICADA A LA INGENIERIA  
Maipú 645 – 1° Piso – 1006 Buenos Aires – Argentina  
[asagai@asagai.org.ar](mailto:asagai@asagai.org.ar)

#### ACTIVITIES REPORT 2017 - 2018

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

Current office holders:



President:	FABIO SERGIO LUNA
Vice President:	JULIA LÖFFLER
Secretary:	NORBERTO JORGE BEJERMAN
Treasurer	ALEJANDRO EMMANUEL CELLI
Nominal Member:	GABRIELA COELHO DOS SANTOS
Nominal Member:	CRISTIAN ELÍAS COCCHIARALE
Nominal Member:	MARÍA VICTORIA ALTINIER
Substitute Member:	RUBÉN ALVARO LÓPEZ

Number of members with Bulletin: 29

#### Activities 2017

- ✓ Publication of the Journal of Geology Applied to Engineering and the Environment, N° 38.
- ✓ Workshop seminar "Environmental impact evaluation as a management tool". San Luis, October 9<sup>th</sup> – 11<sup>th</sup>, 2017. Lecturer: MSc Geól. Norberto Jorge Bejerman.
- ✓ Publication of the Journal of Geology Applied to Engineering and the Environment, N° 39.

#### Activities 2018

- ✓ Publication of the Journal of Geology Applied to Engineering and the Environment, N° 40.
- ✓ Second meeting of Argentine YEG, San Luis, August 22<sup>nd</sup>, 2018.
- ✓ First Argentine Congress of Geology Applied to Engineering and the Environment, San Luis, August 22<sup>nd</sup> - 24<sup>th</sup>, 2018.

### **Austria National Group**



#### **IAEG NATIONAL GROUP AUSTRIA**

FACHSEKTION / ARBEITSGRUPPE INGENIEURGEOLOGIE

Der Österreichischen Geologischen Gesellschaft und  
der Österreichischen Gesellschaft für Geomechanik

Vienna, 18.08.2018

## Annual Report 2017/2018 – IAEG National Group of Austria

Dear Colleagues,

We present a short annual report of the IAEG National Group Austria for 2017/2018.

- The Workshop “Geotage Bischofshofen” took place in March 2018. The main topic of this workshop was the role of geological site investigations and natural hazards in engineering geology. It was a familiar and local happening with about 40 participants and a great success and thus, the workshop will be held on a regular basis from now on.
- Elections for the Geomechanical Society of Austria were performed and the acting executive committee was affirmed.
- Participation in the organization of the “Bodenseetagung” Conference with the key topic “Risk, communication and acceptance of large geological projects” takes place from 26<sup>th</sup> to 27<sup>th</sup> of October 2018 in Schaffhausen, Switzerland. The Bodenseetagung is an engineering geological conference, which is held once every two years in Germany, Switzerland or Austria.
- We are part in the organization team of the Pangeo Austria (Austrian Geological Society) which will take place from 24<sup>th</sup> to 26<sup>th</sup> of September 2018 in Vienna and focuses on interlinking of earth-scientists in Austria. Traditionally, it gives students and young geologists the chance of presenting their work. The session programme is very extensive and includes sessions focussing on Natural Hazards, Palaeontology, Petrology & Mineralogy, Tectonics, Sedimentology, Geophysics, Hydro- and Environmental Geology, Monitoring using remote- and close-range-sensing techniques, Alpine Permafrost, Geothermal systems, Heat- and gas-storage, Advances in scientific drilling and Engineering Geology.
- The head of IAEG National Group Austria will take part in the XIII IAEG Congress in San Francisco in San Francisco.
- Some members of the Austrian working group of engineering geology are involved in teaching at the University of Natural Resources and Life Sciences in Vienna, at the University of Vienna and Salzburg.

## Bangladesh National Group

### **IAEG\_BNG 2018 Annual Report By A.T.M.Shakhawat Hossain, President, IAEG\_Bangladesh National Group (IAEG\_BNG)**

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#### **Main activities :**

After the formation of the IAEG\_Bangladesh National Group in a council meeting held at Kathmandu, Nepal in Nov. 2017, the first IAEG\_BNG NATIONAL EVENT 2018 of BANGLADESH NATIONAL GROUP, was held at Jahangirnagar University, on April 24-25, 2018. Several activities were organized. The event started on the 24<sup>th</sup> April, 2018 with events for the students, including “Geo-engineering Quiz Competition, documentary and video shows and a students’ rally on geo-engineering issues, highlighting the problems and issues of engineering geology and solutions for sustainable development of Bangladesh which was organized by “Young Engineering Geology Students’ Forum of Bangladesh\_JU (YEGSFB-JU). Best participants of the Quiz Competition were awarded. The 2<sup>nd</sup> day of this event, which was on 25<sup>th</sup> April, 2018, was mainly focused on the key issues related with “ Geological Engineering, Geo-hazards & Development” of Bangladesh. The inaugural session had started with the welcome

speech of IAEG\_Bangladesh National Group President--Prof.Dr. A.T.M. Shakhawat Hossain, Vice Chancellor of Jahangirnagar University, Professor Dr. Farzana Islam, was present as the Chief Guest. The Dean of the Faculty of "Mathematical and Physical Sciences"- Prof.Dr.Ajit Kumar Majumder, the Director General of the Geological Survey of Bangladesh--Dr.Reshad Md. Ekram Ali & Professor Dr. M. Qumrul Hassan, Professor of Department of Geology, University of Dhaka, were also present as special guests.



Photo Images of IAEG\_BNG 2018 Events at Jahangirnagar University, Bangladesh.

More than 200 participants, including geoscientists from different National organizations, academics, engineers, policy makers and YEGSFB-JU attended this event on the 25<sup>th</sup> April, 2018 at JU. Learned speakers from USA and Bangladesh presented their technical papers in three technical sessions and highlighted the current problems and solutions in geological engineering professional works, site investigations, climate resilient housing for sustainable development of Bangladesh, Climate change impacts at macro and micro levels, challenges and issues of sustainable water resource management of Bangladesh, 3D geological modeling and its importance for sustainable urban development, challenges and issues in managing landslide hazards of Bangladesh and importance of developing an early warning system for Bangladesh. Important construction issues on the construction of Rooppur Nuclear power plant and geotechnical issues on Land development and reclamation of Martabarbari Ultra super critical coal fired power plant papers are presented. All the participants acknowledged the importance of geological engineering for future development of Bangladesh. This event was organized successfully by Bangladesh National Group and was really a wonderful event for geoscientists and geo-engineering professionals of Bangladesh. IAEG\_BNG would like to thank to all the executive members of Bangladesh National Group to organize the 1<sup>st</sup> BNG event successfully at Jahangirnagar University.

Bangladesh National Group is also planning to organize geo-engineering professional training and certificate courses for geologists and engineers, policy makers for their professional development. Several one day seminars are organized to familiarize the role of geological engineering for national development. IAEG\_BNG is also planning to manage funds to provide safe drinking water, low cost climate resilient housing in the rural and urban areas in the near future to build a clean and green sustainable society for Bangladesh. We will request all of your support and help to uphold the IAEG activities for societal development. We are also planning to organize an international event in 2020 which is now underway. I would like to express my heartiest congratulations and thanks to Prof. Scott Burns, President IAEG, Prof.Faquan Wu, IAEG Secretary General, All executive committee members, Dr. Y Deva, Vice President of Asia and Dr. Ranjan Kumar Dahal, President of Nepal National Group for their continuous support to form the IAEG\_BNG in a IAEG council meeting held at Kathmandu, Nepal in Nov. 2017.



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**A.T.M.Shakhawat Hosssain**

**President**

**IAEG Bangladesh National Group**

**Jahangirnagar University**

## Brazil National Group



### ABGE Annual Report 2017/2018

#### 1. Name of the National Group

**BRAZILIAN ASSOCIATION FOR ENGINEERING GEOLOGY AND THE ENVIRONMENT - ABGE**

#### 2. Names of current office holders

**President:** Adalberto Aurélio Azevedo

**Vice-President:** Lídia Keiko Tominaga

**Secretary:** Alessandra Cristina Corsi

**Secretary Adjunct:** Deyna Pinho

**Treasurer:** José Luiz Albuquerque Filho

**Treasurer Adjunct:** Leandro Vida Pinheiro de Castro

**Communication:** Marcelo Denser Monteiro

**Communication Adjunct:** Tiago Antonelli

**Events:** Fábio Augusto Gomes Vieira Reis

**Events Adjunct:** Renata Augusta Rocha N. de Oliveira

**Publications:** Andrea Bartorelli

**Publications Adjunct:** Edilson Pissato

**Courses:** Ivan José Delatim

**Executive Secretary:** Luciana Marques

#### 3. Contact Address:

##### *Head Office*

Avenida Professor Almeida Prado, 532 – IPT (Prédio 11)

CEP 05508-901 - São Paulo – SP - BRAZIL

Tel: 55-11-3767-4361

E-mail:

Secretariat: [abge@abge.org.br](mailto:abge@abge.org.br)

President: [secretaria@abge.org.br](mailto:secretaria@abge.org.br)

Homepage: [www.abge.org.br](http://www.abge.org.br)

Facebook: [www.facebook.com/abge.abge](https://www.facebook.com/abge.abge)

ABGE has his head office in São Paulo City, three subgroups Rio de Janeiro, Minas Gerais, Nordeste, Norte, Sul e Centro-Oeste.

#### **4. Membership information – 2017**

546 ABGE members professionals associated

12 Associated Companies

Among Brazilian professional associates we have 26 IAEG MEMBERS: **20** members with bulletin; **6** members without bulletin.

#### **5. Activities**

ABGE keeps its members updated on general issues related to Engineering Geology by an e-mail informative, called INFOMAIL. ABGE also keeps a homepage [www.abge.org.br](http://www.abge.org.br) and a Fanpage on Facebook; that is updated daily. ABGE improved the live broadcast of its major events and of its partners.

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

During this period, ABGE has organized the following activities:

#### **6. ABGE Events**

- I WORKSHOP OF THE BRAZILIAN COMMITTEE OF GEOTECHNICAL AND GEOENVIRONMENTAL CARTOGRAPHY , AUGUST 2017
- ERNESTO PICHLER PRIZE, RIO DE JANEIRO, APRIL 2017
- RELEASE OF THE BOOK: ENGINEERING GEOLOGY AND ROCK MECHANICS IN BRAZIL: THE CONTRIBUTION OF MURILLO DONDICI RUIZ, SÃO PAULO, SEPTEMBER 2017
- WORKSHOP ON STRUCTURING PROJECTS FOR THE BRAZILIAN INFRASTRUCTURE , SÃO PAULO, NOVEMBER 2017
- UNIVERSITY JOURNEYS, UNIVERSITY OF ENGINEERING OF SÃO PAULO, OCTOBER 2017
- UNIVERSITY JOURNEYS, UNIVERSITY MACKENZIE, SÃO PAULO, OCTOBER 2017
- UNIVERSITY JOURNEYS, UNIVERSITY SÃO JUDAS TADEU, SÃO PAULO, SEPTEMBER 2017
- UNIVERSITY JOURNEYS, COLLEGE OF SÃO PAULO, SÃO PAULO, FEBRUARY 2017
- UNIVERSITY JOURNEYS, UNIVERSITY OF AMERICAS, SÃO PAULO, FEV 2017
- XV SIMPOSIUM ON GEOLOGY OF AMAZÔNIA, SEPTEMBER 2017
- COURSE ON DRILLING CLASSIFICATION, SÃO PAULO, MARCH 2017 AND OCTOBER 2017; CUIABÁ, MAY 2017
- GEO-ENVIRONMENTAL INVESTIGATION OF CONTAMINATED AREAS, PLANNING TECHNIQUES AND PROCEDURES - INTRODUCTION, GENERAL CONCEPTS AND OBJECTIVES, JUNE 2017, SÃO PAULO



**BULGARIAN NATIONAL GROUP FOR ENGINEERING GEOLOGY AND THE ENVIRONMENT**

**БЪЛГАРСКА НАЦИОНАЛНА ГРУПА ПО ИНЖЕНЕРНА ГЕОЛОГИЯ И ОКОЛНА СРЕДА**

address: Bulgaria, 1700 Sofia,  
Residential Estate Vitosha, bl 10, flat 1  
Mobile phone: +359 888 555 812  
e-mail: bg.iaeg@gmail.com

адрес: България, гр.София, 1700,  
кв.Витоша, бл.10, ап.1  
тел.+359 888 555 812  
e-mail: bg.iaeg@gmail.com

## **Annual Report - 2018**

### **about**

### **the activity of BULGARIAN NATIONAL GROUP FOR ENGINEERING GEOLOGY AND THE ENVIRONMENT**

This year is very important for the Bulgarian National Group and we provide together with our geotechnical colleges several discussions on:

1. The growth of the construction of large infrastructure sites and the need for large volumes of qualitative engineering geological surveys. In this connection, an active construction of the Struma highway linking Sofia with Thessaloniki is currently underway and the most complex area of it is now under tender for engineering - research, design and construction of 11 bridges, 7 tunnels and open highways in very complex Geo-engineering conditions. In addition, serious engineering geological studies accompany the construction of the Hemus highway, which connects Sofia with Varna.
2. The lack of young engineers in engineering geology and the need to develop the specialty in engineering geology at the Mining Geological University are discussed. The second center, which specializes in engineering geology and geotechnics, is the University of Transport Construction Todor Kableshkov.
3. A serious discussion was conducted on the experience of monopolization of engineering geological surveys by some companies in Bulgaria, both at the national and regional level, which led to a decrease in the quality of the research and its impact on the construction of the facilities.

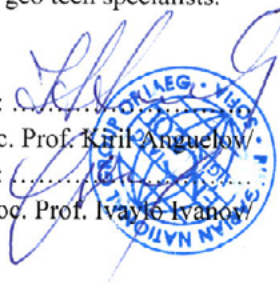
In all discussions the question was raised about the participation of young specialists in international symposia and conferences with quality reports and the funding of these participations. Regularly, BNGEGE organizes scientific meetings with geo tech specialists.

President of BNGEGE: .....

/Assoc. Prof. Kiril Anguelov/

Secretary of BNGEGE: .....

/Assoc. Prof. Ivaylo Ivanov/



## Canada National Group



June 2018



**Canadian Geotechnical Society**  
**Société canadienne de géotechnique**

IAEG National Group Report - CANADA

June 2017 to May 2018 Report

### Section 1: General

Name: The Canadian Geotechnical Society's Engineering Geology Division (CGS-EGD) represents the IAEG Canadian National Group

Prepared by: **Nicholas Vlachopoulos**, CGS-EGD Chair

End of Term as Chair of CGS-EGD: December 31, 2018

CGS-EGD website address: [http://www.cgs.ca/division\\_engineering\\_geology.php](http://www.cgs.ca/division_engineering_geology.php)

### Section 2: Executive members and their employers or, if students, universities

Chair, 2016: **Nicholas Vlachopoulos**, Royal Military College of Canada, Ontario

Past Chair: **Doug Stead**, Simon Fraser University, British Columbia

Vice Chair: **Stephen Butt**, Memorial University, Newfoundland (will be Chair 01 Jan 2019)

Members: **Renato Macciotta**, University of Alberta, Alberta  
**Andrew Peach**, Golder Assoc. Ltd, Newfoundland  
**Karine Champagne**, Hydro-Québec, Québec  
**Anna Torgunrud**, JD Mollard Associates, Saskatchewan

### Section 3: Number of members

Executive members: 7

Members for 2017: 427, up 68 from 2016

### Section 4: Division is affiliated with which other organizations

#### National Affiliates :

- Association of Geohazard Professionals <http://www.geohazardassociation.com/>
- Canadian Federation of Earth Scientists (CFES, <http://earthsciencescanada.com/cfes/>) (Nicholas Vlachopoulos, CGS Representative)
- North American affiliates: - AEG for the Engineering Geology Division [www.aegweb.org/](http://www.aegweb.org/)
- Environmental and Engineering Geology Division GSA [www.geosociety.org/egd/](http://www.geosociety.org/egd/)

#### International Affiliates:

- IAEG - CGS representatives – Canada (**Dharma Wijewickreme**, CGS President and

Nicholas Vlachopoulos, National Representative).

### **Section 5: Activities**

Current CGS-ESD Chair is also on the CGS Executive Committee as the Divisional Chair until 31 Dec 2018. The various Divisions (7) of CGS (<https://www.cgs.ca/divisions.php?lang=en>) report to the Divisional Chair who then represents them within the CGS Executive Committee.

**Dr. Jean Hutchinson** from Queen's University was nominated for the position of IAEG VP North America as determined by the CGS Executive Committee. This motion will be voted upon at the IAEG Congress in San Francisco in Sept 2018.

**Dr. Erik Eberhardt** was awarded the Thomas Roy Award for 2017 at the CGS annual conference in Ottawa in October 2017. His work on the recognition, prediction and mitigation of complex rock engineering problems, unexpected rock mass responses and failures remains at the top of the Geological Engineering field. With a proven track record of academic and professional achievements with an emphasis on risk assessment, Dr Eberhardt is one of the most important leaders in Geological Engineering in Canada and internationally. More information can be seen here: <https://www.coas.ubc.ca/people/erikeberhardt>

The CGS-EGD increased its collaboration with the CGS Landslides Committee (CGS Geohazards Committee since January 1, 2016) during the year. The Chair of the CGS-EGD is now a member of the Robert Schuster Medal selection committee.

A joint activity is being offered at GeoEdmonton 2018 (the annual CGS Conference - <http://www.geoedmonton2018.ca/>) between the Rock Mechanics Division and the Engineering Geology Division for a Rock Core Logging Short Course. Registrations for the course are open and can be found at the website above.

EGD provided the GeoEdmonton 2018 (CGS Annual Conference) technical committee with a comprehensive list of reviewers for papers; many from this list were chosen for this purpose. Paper acceptance is being finalized and the conference is to occur 23-26 Sept 2018.

During the CGS-EGD AGM in Ottawa in September 2017, initial plans were discussed for the compilation of an 'Engineering Geology in Canada Monograph' and will be placed in an on-line forum. This initiative is being led by the current CGS-EGD Chair. The CGS-EGD is actively seeking individuals to contribute articles for this initiative. The EGD AGM was attended by 10 individuals.

As the CGS representative on CFES Council, the CGS-EGD Chair participated in the CFES AGM in April 2018 in Ottawa, Ontario. The CFES website is: <http://earthsciencecanada.com/cfes/>. One of the prime venues for CFES this year was the very successful Resources for Future Generations Conference that took place in Vancouver from 18-21 June 2018 <http://www.rfg2018.org/>.

The CGS-EGD web page [http://www.cgs.ca/division\\_engineering\\_geology.php](http://www.cgs.ca/division_engineering_geology.php) was updated to include links to further Engineering Geology related societies and to upcoming Engineering Geology events, links to the IAEG Lecture Series and IAEG Conference keynote speaker videos.

EGD Executive was involved in the Eurock 2017 (Czech Rep.) and Eurock 2018 (Russia) Scientific Committees.



The CGS-EGD provided a letter of Nomination for Dr. Keith Turner for the prestigious Han Cloos IAEG Medal. Keith has been an excellent supporter of the EGD for decades.

The CGS-EGD Chair voted on potential Colloquium speakers. As CGS Division Chairs and Editors of the CGJ, CGS-EGD Chair is a member of the Selection Committee for the Canadian Geotechnical Society Colloquium

Executive Member **Mr. Andrew Peach** is conducting a study into defining Engineering Geology. The Association of Professional Engineers and Geoscientists of Newfoundland and Labrador, PEGNL, has recently undertaken an initiative to define the scope of practice for Geotechnical Engineers, Geological Engineers and Engineering Geologists. Their goal is to provide clarity on overlapping scopes of practice as well as to determine what might be considered restricted scopes of practice specific to each discipline. As such, EGD has reached out to international bodies and national ones in an attempt to standardize such definitions. Past and present IAEG Presidents were approached to provide input.

## China National Group

### (1) The 11th China Engineering Geology Summit

From March 30 to April 1 2018, the 11th China Engineering Geology Summit was held in Institute of Geophysics and Geology, Chinese Academy of Sciences (IGGCAS), Beijing. This summit was proposed by National Natural Science Foundation of China (NSFC), hosted by Geology Society of China (GSC), undertaken by Engineering geology committee, CGS (IAEG China National Group) and co-organized by IGGCAS, Key Laboratory of Shale Gas and Geoengineering, Chinese Academy of Sciences and Institute of Technology, China University of Geosciences (Beijing).

The topic of summit is Engineering Geology in New Era — Earth Dynamic System and Its Environmental disaster effect, emphasizing that the root of engineering geology is always geology, indicating that human activity process is one of the four earth dynamic systems, which deeply control the earth environment and its disaster evolutionary process by interaction. To reach a much higher level, engineering geology should pay close attention to the latest developments of modern earth science. Over



Invited lecture by Sijing WANG

100 scholars and specialists presented the summit.

The opening ceremony was hosted by Prof. Faquan WU, President of IAEG China National Group and Secretary General of IAEG. And the subsequent summit was composed by invited lecture, leading theory and advanced technology and engineering practice and talent cultivation.

Academicians made invited lectures on “North China craton destruction and its resource and energy effects”, “The uplift of the Qinghai-Tibet plateau and its environmental effects”, “Energy revolution: from fossil fuels to new energy sources” and “The universality and specificity of engineering geology”. In the later heated discussion, The first part leading theory and advanced technology was chaired by the Dr. Yueping YIN, chair of IAEG C24 Neotectonics and geo-hazard and Prof. Hengxing

LAN, Chair of IAEG C37 Landslide nomenclature. Prof. Shengwen QI, Chair of IAEG C29 Structure and behavior of rock and soil and Prof. Yonggang JIA, Chair of IAEG C34 Marine engineering geology also attended the summit and contributed their professional opinions and suggestions.



Group photo

## **(2) The 5th International Symposium on Mega Earthquake Induced Geo-disasters and Long Term Effects**

From May 11 to May 16 2018, the 5th International Symposium on Mega Earthquake Induced Geo-disasters and Long Term Effects was held by the State Key Laboratory of Geo-hazard Prevention and Geo-environment Protection (SKLGP) and Chinese Society for Rock Mechanics & Engineering (CSRME) in Chengdu University of Technology, China, supported by IAEG China National Group, Chengdu University of Technology, International Consortium on Geo-disaster Reduction (ICGDR), Collaborative Innovation Center of Geo-hazard Prevention (CICGP), International Research Association on Large Landslides (IRALL) and Hong Kong Chemical, Biological & Environmental Engineering Society (HKCBEES). About 350 top-level scholars and specialists attended the symposium from UK, Japan, Germany, China and other 10 countries. The past president of IAEG Academician Sijing WANG and Prof. Nick Rengers, the past president of ISRM Prof. Xiating FENG and past president of ICL Dr. Yueping Yin attended the symposium and made excellent lectures as well.

The 2018 symposium focused on building community resilience to dangerous earth-surface processes and geo-hazards in mega-earthquake areas, including:

1. Advances in research on the triggering and development of co-seismic landslides and debris flows
2. Long-term initiation and evolution of landslide and debris-flow hazards
3. Post-earthquake monitoring and analysis for hazard early warning and design of mitigation measures
4. Susceptibility, hazard, and risk assessment for rehabilitation and land-use planning in earthquake-struck areas
5. Resilience to earthquake-induced landslide risk
6. Geological disaster risk and engineering construction in meizoseismal area

Ten years ago, a devastating earthquake occurred in Sichuan Province, China, causing the death of almost 90,000 people and widespread damage to urban and rural communities, deeply affecting the economy of the region. The earthquake triggered tens of thousands of landslides over a large area, and rainstorms in the years after the earthquake re-activated many of them, triggering debris flows from their deposits. Even though strategies for geo-hazards assessment and risk management have been implemented to reduce the long-term disaster-chain effects from the earthquake, 10 years on, the Wenchuan region is still threatened by various geo-hazards in the aftermath of the earthquake. Spatial

and temporal trends in these threats raise international awareness and concerns about the issues of long-term disaster-chain effects in hazard and risk reduction.

THE 5TH INTERNATIONAL SYMPOSIUM ON MEGA EARTHQUAKE INDUCED GEO-DISASTERS AND LONG TERM EFFECTS  
11-16 MAY, 2018 | CHENGDU, CHINA  
第五届强震地质灾害及后效应国际学术大会暨纪念汶川地震十周年国际学术研讨会  
5月11-16, 2018 成都, 中国



Group photo

More information available on the website: <http://www.mege.net/>

### **(3) Prof. Runqiu HUANG won IAEG Hans Cloos Medal 2018**

On May 18-19, 2018, the midyear working meeting of IAEG Executive Committee was held in Mines Paris Tech, Paris, France. The Executive Committee selected the IAEG Hans Cloos Medal 2018 with the secret votes. And the recipient of IAEG Hans Cloos Medal 2018 is Professor Runqiu Huang, nominated by the Chinese National Group.

As Director of State Key Laboratory of Geohazard Prevention and Geoenvironment Protection (Chengdu University of Technology, China), Prof. Huang is an outstanding and leading scientist in engineering geology, geological hazards and rockmechanics, who has greatly contributed to the advancement of engineering geology in China.

Prof. Huang has put great efforts to the mega earthquake induced geo-disasters and long-term effects these years, hosting the international conference every year supported by IAEG, enhancing international academic communication.

### **4. National Engineering Geology Conference 2018**

From Oct. 12 to 16 2018, National Engineering Geology Conference 2018 will be held in Xi'an. This conference is hosted by Geology Society of China(GSC), undertook by Engineering geology committee, CGS (IAEG China National Group) and Chang'an University. And it is co-organized by National Natural Science Foundation of China(NSFC) and other universities, institutes and companies.

The topic of conference is One Belt and One Road (OBOR) and Ecological Environment— Engineering Geology and Practice in New Era, concentrating the concept on harmonious development of OBOR and ecological environment, and to contribute ideas and exert efforts for the concept, discussing engineering geology theory in new ear, advanced technology and major engineering project case and especially major engineering geological problems in city, transportation, energy, hydraulic engineering and ocean.

### **5. 9th Young Professor Seminar on Engineering Geology**

On July 27-29 2018, 9th Young Professor Seminar on Engineering Geology will be organized in Chizhou, Anhui Province, China. The seminar will be hosted by Geology Society of China(GSC), undertook by Engineering geology committee, CGS (IAEG China National Group), Hefei University of Technology and Anhui Public Welfare Geological Survey Management Center. The seminar focused on the theme “Engineering Geology on Special Soils”.



## Chinese Taipei Regional Group



### Chinese Taipei Regional Group

#### — Black Friday 2018 (13th April and 13th July)

As the night falls in the first Black Friday in 2018, a party is just about to start near the corner of Chang'an East Road and Linsen North Road in Chongshan District of Taipei city. Before Black Friday became a worldwide iconic shopping holiday, it is known to be ominous related to Jesus' crucifixion. However, on this day, about 60 scholars, engineers and graduate students gathered around to rejoice, and this is the Taiwan version Black Friday celebration.

"Back in the days studying in United Kingdom, on every Black Friday academic fellows and industrial insiders working in engineering geology profession would assemble in an English pub, chat and exchange experience freely. Sometimes students came as well, especially those who are about to graduate. Professionals may find fresh blood, and graduates hunt for jobs", Hung, Ju-Jiang, professor emeritus of civil engineering department, National Taiwan University is the founder of Black Friday party in Taiwan. After came back to Taiwan, Professor Hung shared the memory about his training in King's College London and Royal school of mines before December, 1976, with several colleagues and friends in engineering geology and geotechnical engineering field, and they decided to start their own Black Friday party. At first, it was merely a small gathering in an English pub. Almost 36 years passed, the pub has closed, the party proceeds to held in various locations, and has grown larger and larger after Professional Applied Geologist Association took over.

In this private party themed on engineering geology in 13th April, three speeches were delivered, "Interaction between ground deformation, fault trace and artificial facilities of an oblique-slip fault" by Dr. Pei-Chen Chan, "Importance of open cracks in geological engineering" by Professor Chyi-Tyi Lee, and "Let's expand the influence of engineering geology!" by Professor Jia-Jyun Dong. The atmosphere rose to a summit when professor Dong described the process of joining IAEG, and that we should cooperate in order to grow. The party ended in a harmonious mood when taking group photos.

After the first Black Friday night on 13th, April, 2018 in Taipei, the second party of the year was held near the high-speed rail station in Zuo-Ying District, Kaohsiung City on 13th, July. This is the first time the Black Friday move to Southern Taiwan. About 40 scholars, engineering geologists, geotechnical engineers, and graduate students gathered together again. Before the dinner began, a group of people also visited the engineering geological construction site near Southern Taiwan. As usually, we invited Dr. Ya-



Group photo taken at the Black Friday party held on 13th, April, 2018

Jhu Ciou to deliver a speech entitled as “Engineering Geology Thinking of Taiwan Tunnel Maintenance Experience”. After this inspiring speech, Mr. Yan-Cheng Lin, who just awarded as excellent young geotechnical engineer, shared “Young engineers' engineering experience”. Buffet were served in the party, where everyone enjoy the food, beer, and talk a lot. Members will reunite on December 13th, 2019.

Recorded by Dr. Ya-Jhu Ciou and Mr. Huang-Kuei Chu

News reports and films of some previous Black Friday parties in Taiwan can be found here: <https://www.peopo.org/tag/36244>

## Czech Republic National Group



THE INTERNATIONAL ASSOCIATION FOR ENGINEERING  
GEOLOGY AND THE ENVIRONMENT  
National Group of the Czech Republic

ASSOCIATION INTERNATIONALE DE GÉOLOGIE DE  
L'INGÉNIEUR ET DE L'ENVIRONNEMENT  
Groupe National Tchéque

MEZINÁRODNÍ ASOCIACE INŽENÝRSKÉ GEOLOGIE  
Česká národní skupina

### Report of activities of the IAEG Czech National Group for a period May 2017 – June 2018

*President:*

Assoc. Prof. Pavel Pospíšil  
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*Secretary:*

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Institute of Rock Structures and Mechanics  
V Holešovičkách 41, 182 09 Prague 8, Czech Republic  
Phone: +420 724330154, e-mail: [iaeg@irms.cas.cz](mailto:iaeg@irms.cas.cz), [jan.novotny@geology.cz](mailto:jan.novotny@geology.cz)

*Past President:*

Assoc. Prof. Jan Rybář  
Institute of Rock Structures and Mechanics  
V Holešovičkách 41, 182 09 Prague 8, Czech Republic



The IAEG Czech National Group has 25 members now, the group of 12 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 Civil Engineering in Prague in the Czech Republic.

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.

Beside of the work on the standard principal activity of the IAEG Czech National Group in the last year co-organized 3<sup>rd</sup> Czech Engineering Geological Congress on behalf of IAEG, CAIG and Masaryk University. The Congress was held from 4<sup>th</sup> to 6<sup>th</sup> September 2017 in Brno in Czech Republic. The 3<sup>rd</sup> Czech Engineering Geological Congress was organized together with 15<sup>th</sup> Czech Hydrogeological Congress. Proceedings of these congresses were published in electronic form. There were presented and discussed many interesting papers which had reflected current issues solved by Czech engineering geologists.

Member 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. The job will take approximately two years.

With grief we announce that past president of the Czech National group prof. Jan Rybář left us on 29<sup>th</sup>

October last year. We will never forget him. The obituary of prof. Rybář was published in the 2017 Newsletter Issue No.4.

Pavel Pospíšil  
President

Jan Novotný  
Secretary

Prague, June 15, 2018

Secretariat: Institute of Rock Structure and Mechanics  
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## France National Group



### IAEG French National Group COMITE FRANCAIS DE GEOLOGIE DE L'INGENIEUR ET DE L'ENVIRONNEMENT

#### 2017 ANNUAL REPORT

#### ACTIVITIES DURING THE YEAR 2017

##### 1) Scientific and technical Seminars

- **February 2<sup>nd</sup>, 2017 : “Off-shore geology and geotechnics” managed by Aline Quenez**
  - Jean-François BOURILLET (IFREMER): Sea floor exploration: why and how?
  - Denys BOREL (FUGRO): Challenges and evolutions in marine geotechnical investigations
  - François VAYSSE (EDF TEGG) – Adeline SOUF (EDF Energies Nouvelles): Geological investigations for Fécamp off-shore wind turbines site
- **March 30<sup>th</sup>, 2017: “Engineering Geology and feedbacks from large works” managed by Jean-Alain Fleurisson**
  - Thibault LOCKHART (Bouygues Construction): Tuen Mun tunnel in Hong-Kong: the tunnel with the largest worldwide diameter in low consolidated soils
  - Jacques TRICLOT (EGIS), Carole MARTY (TELT SAS): Feedbacks on investigations and tunnelling works on Saint Martin La Porte access tunnel (Turin-Lyon Link project)
  - Fabien BINET (TERRASOL): When tunnels of the Grand Paris transportation project meet abandoned underground quarries in Coarse Limestone geological layer
  - Alain BESSON (Razel-Bec-Fayat): North extension of the metro line N°14: project presentation and information on the incident when excavating the Porte de Clichy underground station
  - Valérie LEFEBVRE-MIGNON (ARCADIS): The 2015 Calais port project – the main embankment and its construction materials.
- **June 1<sup>st</sup> 2017: “Measurements and monitoring of natural phenomena” managed by Marc Brisebarre,**
  - D.FABRE (Cnam & ADRGT), L. LORIER, A. MATHY (SAGE), E. FLAVIGNY (Association des Recherches sur les Glissements de Terrain): Rock slide monitoring and forecast



- C.LEVY (BRGM), A. HELMSTTER, D. AMITRANO, G. LEROY (ISTERRE), F. GUYOTON (Géolithe): localization of rock falls using passive seismic monitoring
- N.POITRINEAU (Directeur adjoint Sixence-Soldata): The ATLAS satellite radar interferometry for the determination of surface deformations

➤ **September 21st, 2017: "Coastline and land management" managed by Marc Brisebarre.**

- Philippe ROGEL (Centre Européen de Recherche et de Formation Avancée en Calcul Scientifique): Models and climate forecasts: from global to local scale and application to coastal risks
- Goneri LE GOZANNET (BRGM) : Consequences of sea level rise on coastline
- Fernand VERGER (Emeritus Professor at ENS) : Taking or returning land to the sea: the case of the western part of Escault estuary
- Arnaud CAUMARTIN (EGIS PORTS): The reinforcement of Kingston wharf in Jamaica
- Philippe ANDREANI et Nicolas VERJAT (Société GEOCORAIL) : The « geocoral », artificial rock for the protection of marine engineering works and fight against coastal erosion

## 2) Engineering geology field trip and technical visits

A visit of the excavation works of the Metro line N°14 extension in Bagneux in the framework of Grand Paris transportation project was organized by Véronique Merrien-Soukatchoff on December 14<sup>th</sup> 2017

### 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).

### SPECIAL EVENT IN 2018: THE CFGI's 50<sup>th</sup> ANNIVERSARY



The poster for the CFGI 50th anniversary features a geological map background. At the top, the CFGI logo is displayed with the text 'COMITÉ FRANÇAIS DE GÉOLOGIE DE L'INGÉNIEUR ET DE L'ENVIRONNEMENT' and '1968-2018 50 ans'. Below the logo, the date '22 novembre 2018' and the title 'Les 50 ans du CFGI !' are prominently shown. The main theme is 'La Géologie de l'Ingénieur : actualité et perspectives'. A list of bullet points describes the event: international, at the intersection of geology and engineering, for all ages, covering various geological topics, and a chance to look back and forward. A central graphic shows a geological hammer and a brain, with the motto '« Mente et malle ! »' and '« Avec le cerveau et le marteau ! »'. Text on the right encourages celebrating 50 years with a special day, featuring technical subjects and reflections on the discipline. The bottom right corner includes the website 'www.cfgi-geologie.fr'.

The "Comité Français de Géologie de l'Ingénieur et de l'Environnement (CFG I)" was founded on June 2<sup>nd</sup> 1968 by Marcel Arnould as National group of IAEG.

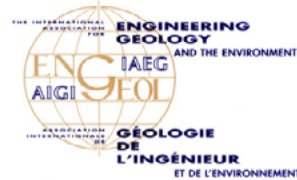
Its 50<sup>th</sup> anniversary will be celebrated by a special scientific seminar which will be held in CNAM, Paris on November 22<sup>nd</sup> 2018 (see [www.cfgi-geologie.fr](http://www.cfgi-geologie.fr))

History of IAEG and CFGI will be remembered as well as CFGI's vision on Engineering Geology and the Environment in order to face the future challenges in our discipline.

Lectures will be given on the various fields of Engineering Geology: mineral resources, linear infrastructures, civil and mining engineering works, energy production, environment and natural hazards, as illustrations of CFGI's motto: "**Observe, Measure, Analyse, Conceptualise, Model...Observe again and Act**".

A commemorative book will be published by Presse des Mines, Paris and provided to all the attendees of this anniversary day.

## Germany National Group



### IAEG German National Group

## Status Report for The IAEG Council Meeting

San Francisco, U.S.A., 16th September 2018 at the occasion of the 13th Congress of IAEG

### 1. Members of the IAEG German National Group

Since 1970, the Engineering Geology Group of Germany is a joint division of the German Geotechnical Society (DGGT, Essen) and the German Geological Society (DGGV, Hannover). Membership of the "*Fachsektion Ingenieurgeologie*" – *Engineering Geology* coincides with that of the German National Group.

#### Membership Numbers (as per Jan. 2018)

Total memberships: 509

M. with Bulletin: 48

M. without Bulletin: 461

#### Office:

DGGT                      German Geotechnical Society  
Attn.:                    Mrs. Dr. rer. nat. Kirsten Laackmann  
Phone:                  +49 201 78 27 23  
Fax:                      +49 201 78 27 43  
Email:                   service@dgggt.de  
New address:          Hollestr. 1 g  
                             45127 Essen, Germany

### 2. Office Holders Period 2017 – 2020

Chairman:                      Prof. Dr. Kurosch Thuro  
   Technical University of Munich, [thuro@tum.de](mailto:thuro@tum.de)

1st Vice-Chairman:        Dr.-Ing. Christian Wawrzyniak  
   CDM Smith, Stuttgart, [christian.wawrzyniak@cdmsmith.com](mailto:christian.wawrzyniak@cdmsmith.com)

2nd Vice-Chairman:        Prof. Dr. Tomás Fernandez-Steeger  
   Technical University of Berlin, [fernandez-steeger@tu-berlin.de](mailto:fernandez-steeger@tu-berlin.de)

Secretary:                    Dr.-Ing. Florian Menschik  
   Ettl & Schuh Consulting, Munich, [ettl-schuh@t-online.de](mailto:ettl-schuh@t-online.de)



#### Advisory Board, Period 2017 – 2020

- Dipl.-Geol. Anna-Maria Meyer, Bauer Consulting, Munich, [anna.meyer@baugeologie.de](mailto:anna.meyer@baugeologie.de)
- Dr.-Ing. Jürgen Hesser, Federal Institute for Geosciences and Natural Resources, Hannover, [juergen.hesser@bgr.de](mailto:juergen.hesser@bgr.de)
- Prof. Dr. Christoph Butscher, Technical University of Freiberg, [Christoph.Butscher@ifgt.tu-freiberg.de](mailto:Christoph.Butscher@ifgt.tu-freiberg.de)
- Dr.-Ing. Günter Meier, Dr.-Ing. Günter Meier Consulting, Freiberg, [gmeier@dr-gmeier.de](mailto:gmeier@dr-gmeier.de)
- Dr.-Ing. Matthias Nendza, Prof. Düllmann Consulting, Aachen, [nendza@gbduellmann.de](mailto:nendza@gbduellmann.de)

### 3. Current Activities

#### 3.1 Congresses

- IAEG Congress 17.-21.09.2018 in San Francisco, U.S.A. – delegation of IAEG-GER
- 35th DGGT Congress on Foundation Engineering 26.–29.09.2018 in Stuttgart, Germany, organized by DGGT
- 23. Conference at the Lake Constance 26./27.10.2018 in Schaffhausen, Switzerland, organized by SFIG, ÖGG and IAEG-GER
- 18. DGGT Symposium on Abandoned Mines 8.-10.11.2018 in Wieliczka, Kraków, organized by the Poland Working Group on Old Mining together with the IAEG-GER Working Group 4.6 Abandoned Mines, Dr. Günter Meier
- 2nd “DGGT Section Days” 29.-30.10.2019, Congress in Würzburg, Germany; Engineering Geology Section scientific part organized by IAEG-GER  
Forum for “Young Engineering Geologists” → 3 best presentations will be awarded

#### 3.2 Blog of the German National Group

- [www.ingenieurgeologie.de](http://www.ingenieurgeologie.de) launched in summer 2017
- Accessible also via the DGGT main site [www.dggt.de](http://www.dggt.de) → Sections
- Containing important dates on symposia or congresses, exchange of information between office holders, advisory board & members, information on current work of the „commissions“
- Design and maintenance organized by Prof. Tomás Fernandez-Steeger and Dr. Florian Menschik

#### 3.3 Registration of Ground Engineering Professionals in Germany

- In 2013 the DGGT commission 2.11 on **Ground Engineering Professionals** published a recommendation on *“Competencies and experience for ground engineering professionals”*.
- Although for the first time this recommendation also included engineering geologists, there was no implementation by the Federal Chamber of Engineers in Berlin or the Chamber of Engineers in the German states (“Bundesländer”) yet.

- With the resolution of the Federal Chamber of Engineers on July 11<sup>th</sup>, 2018, the Chamber of Engineers in the states (“Laender”) shall start to elaborate regulations to start the **Registration of Ground Engineering Professionals** on the basis of the cited DGGT recommendation.
- The decision was submitted by several State Chambers with the support of IAEG-GER. This decision is a real breakthrough for engineering geologists working in Germany and was only possible continuous and difficult commission and lobby work for at least 15 years.

#### 4. Commission Work

11 commissions (working groups), three of them launching

WG	Title	Chair
4.1	Geotechnical Investigation and Testing	Volker Eitner
4.2	Slopes	Konrad Kuntsche
4.3	Graduate, post-graduate and further education in Engineering Geology	Kuroschi Thuro
4.6	Abandoned mines	Günter Meier
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
4.13	Engineering geology model of the construction underground ( <i>launching</i> )	Markus Bauer
4.14	Methods of acquisition, analysis and visualization of engineering geological data( <i>launching</i> )	Tomás Fernandez-Steeger
4.15	Karstification processes ( <i>launching</i> )	Ulrich Burbaum
4.16	Criteria for underground utilization ( <i>launching</i> )	Jürgen Hesser

#### 5. Further activities

- Support of the work in the State Chambers of Engineers elaborating regulations for the registration of ground engineering professionals
- Commissions
  - Initializing constitutional meetings in order to start working progress of the new commissions
  - Motivate longer existing commissions to get back to activity
- Cooperation with DGGT board in internal affairs, problems and disputes
- Updating the new blog
  - News, reports on conferences & meetings
  - Information on current work of the Working Group
- Considering membership’s requirements and suggestions

## Greece National Group

### ΕΛΛΗΝΙΚΗ ΕΠΙΤΡΟΠΗ ΤΕΧΝΙΚΗΣ ΓΕΩΛΟΓΙΑΣ

ΕΠΙΣΗΜΟΣ ΕΚΠΡΟΣΩΠΟΣ ΓΙΑ ΤΗΝ ΕΛΛΑΔΑ ΤΗΣ ΔΙΕΘΝΟΥΣ ΕΝΩΣΕΩΣ ΤΕΧΝΙΚΗΣ ΓΕΩΛΟΓΙΑΣ (I.A.E.G. - A.I.G.L.)

#### GREEK NATIONAL GROUP OF I.A.E.G.



Πρόεδρος: Κ. Λουπασάκης  
Γραμματέας: Χ. Σαρόγλου  
Ταμίας: Α. Καπλανίδης  
Μέλη: Β. Μαρίνος  
Γ. Στούμπος

President: C. Loupasakis  
Secretary: Ch. Saroglou  
Treasurer: A. Kaplanidis  
Members: V. Marinos  
G. Stoumpos



Athens, 14/8/2018

### ACTIVITIES OF THE GREEK NATIONAL GROUP OF IAEG (2017-18)

The main activities of the National Group of Greece in the period 2017-2018 are summarized as follows:

- The National Group of Greece has 81 members. Amongst them, 24 are receiving the Bulletin of Engineering Geology and the Environment. Five new members were enrolled in 2017-18.
- The directive committee of the Greek National Group, introduced after the voting of our members in May 2018, has been established as follows:  
Chairman: C. Loupasakis, Secretary: C. Saroglou, Treasurer: A. Kaplanidis, Members: V. Marinos and G. Stoumpos.
- The National Group organized lectures in the Geological Departments in the Universities in Greece (Athens, Thessaloniki and Patras). The topic of the lectures was common "The role of Engineering Geology in the design and construction of infrastructure works". The lectures were given by practitioners of Engineering Geology from industry (G. Stroumpos, A. Mesbouris) and their purpose was to inform the current students of Geology for the role and contribution of the Engineering Geology discipline in the construction of infrastructure works.
- It was decided to organize a half-day seminar on Engineering Geology in Athens, with lectures from colleagues involved in industry in the coming months, in order to strengthen the links of academia with industry and inform younger colleagues about the role of Engineering Geology in Greece.
- The directive committee of the National Group decided unanimously to support the candidacy of Dr. V. Marinos, former president of the Group, for the position of Vice President for South Europe for the next Executive Committee of IAEG (2019-2022). The elections will take place during the Council meeting during the 13th IAEG Congress, in San Francisco, USA, in 15-23 September 2018.
- Members of the Greek National Group of IAEG participated actively to international conferences of the association and sister societies, as well as in meetings of technical committees. C. Saroglou was invited as a speaker in the 1<sup>st</sup> International Shaoxing Forum of Engineering Geology and Rock Mechanics, organized in October 2017 in Shaoxing University in Zhejiang Province, China, under the support of IAEG and ISRM.

## ΕΛΛΗΝΙΚΗ ΕΠΙΤΡΟΠΗ ΤΕΧΝΙΚΗΣ ΓΕΩΛΟΓΙΑΣ

ΕΠΙΣΗΜΟΣ ΕΚΠΡΟΣΩΠΟΣ ΓΙΑ ΤΗΝ ΕΛΛΑΔΑ ΤΗΣ ΔΙΕΘΝΟΥΣ ΕΝΩΣΕΩΣ ΤΕΧΝΙΚΗΣ ΓΕΩΛΟΓΙΑΣ (I.A.E.G. - A.I.G.I.)

### GREEK NATIONAL GROUP OF I.A.E.G.



Πρόεδρος: Κ. Λουπασάκης  
Γραμματέας: Χ. Σαρόγλου  
Ταμίας: Α. Καπλανίδης  
Μέλη: Β. Μαρίνος  
Γ. Στούμπος

President: C. Loupasakis  
Secretary: Ch. Saroglou  
Treasure: A. Kaplanidis  
Members: V. Marinos  
G. Stoumpos



- The former president, V. Marinos and current Secretary, C. Saroglou participated in the Council meeting of IAEG, which was held during the 11<sup>th</sup> Asian Conference of Engineering Geology in Kathmandu, Nepal in November 2017.
- Members from the Greek National Group will participate in the 13th IAEG Congress, in San Francisco between 15-23 September 2018, presenting a significant number of full papers, abstracts and posters.
- The Greek National Group is well represented in the Young Engineering Geology (YEG) Committee, which was formed in 2017, as three young Engineering geologists are participating actively in its work (Mr. Karantanellis, Mr. Chaniotis, Ms. Kokkala).
- The committee of the National Group 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 2017.

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## Hong Kong Regional Group

### Change of President and Secretary General

Hong Kong Regional Group has been absent from IAEG for three years due to some internal reasons. The former president proposed Mr. Paul Cheung for the new president and Dr. Louis Wong for the secretary general to the IAEG Secretariat. They will conduct their duties immediately to support the IAEG International Committee. Contact information is as listed below :

President : Mr. Paul Cheung, [golfcheung@hotmail.com](mailto:golfcheung@hotmail.com)

Secretary General : Louis N.Y. Wong, [lnywong@hku.hk](mailto:lnywong@hku.hk)





IAEG Hong Kong Group

President: Nigel R Wightman  
Secretary: Ada Chan  
Hon Treasurer: Bob Sas (resigned)

Registered Address:  
House 4 Cheung Fu Villa, 26 Cheung Fu Street,  
Cheung Sha, Lantau Island, Hong Kong SAR.

15 September 2018

IAEG Hong Kong Group

Dear Professor Wu,

Back in 2013, Mr Steve Parry introduced the concept of setting up an IAEG Hong Kong Group. This task to set up the IAEG Hong Kong Group was complete in 2015 with the registration of the group with the Hong Kong Police as a professional society. This societies registration allows the IAEG HKG to operate legally in Hong Kong and for members of this group to meet together for committee meetings and professional talks or activities. The need to continue as a registered society was deemed important, as IAEG members (though the UK membership route via the Geological Society of London) resided in Hong Kong.

Since that date, a committee was formed but one of our main office bearers, the Honourary Treasurer, left Hong Kong and I was unable to find a replacement which left the group in a difficult position. Fortunately I have now found some able persons to continue to run the IAEG Hong Kong Group now that I am out of Hong Kong permanently. I am delighted in being able to inform you that Mr Paul Cheung has indicated to me that he is able to take over from me as the next President of IAEG Hong Kong Group. Dr Louis Wong may also be involved in the Hong Kong Group but I will leave that up to Paul Cheung as to which post he may be involved with.

Please accept this letter as my official handing over of duties as President of IAEG Hong Kong Group with immediate effect to Paul Cheung. I wish him all the best in his new position and that he can ably support the IAEG International Committee and attend the overseas council meetings.

Yours sincerely,

Nigel R Wightman  
President - IAEG Hong Kong Group



International Association for Engineering Geology and the Environment

## India National Group

### Indian Society of Engineering Geology IAEG India National Group Annual Report of Activities during 2017-18 (November 2017 to August 2018)

#### 1. New Executive Council 2018-19

During December 2017, ISEG conducted for the first time in its history an online e-election system through its website ([www.isegindia.org](http://www.isegindia.org)) after dedicating an exclusive page for casting online votes by ISEG members. The online voting system adopted double-validation (User Name/ Password and OTP) to ensure security and confidentiality. This e-election was successfully conducted and the following new Executive Council for the year 2018-19 was elected and formed. The following new Council took charge of Indian Society of Engineering Geology (ISEG) from the previous Committee on 20.01.2018 at the last Executing Council meeting of the previous Committee.

#### **EXECUTIVE COUNCIL (2018 & 2019)**

President: Prof. K. S. Rao, IIT Delhi

Vice President: S. L. Kapil, NHPC Ltd.

Vice President: M. Raju, Geological Survey of India (Retired)

Vice President: N. K. Mathur, NHPC Ltd. (Retired)

Secretary: Dr. Saibal Ghosh, Geological Survey of India

Past President: R. N. Mishra, SJVN Ltd. (Retired)

Past Secretary: Imran Sayeed, NHPC Ltd.

Joint Secretary: Arindam Chakraborty, NHPC Ltd.

Joint Secretary: Akhouri Biswapriya, Geological Survey of India

Editor: Rahul Khanna, NHPC Ltd.

Joint Editor: Niroj K. Sarkar, Geological Survey of India

Treasurer: Dr. Mridul Srivastava, Geological Survey of India

Council Members: Vachaspati Pandey, NHPC Ltd.

Saikat Pal, EIL Ltd.

Vivek Sharma, NHPC Ltd.

Nihar Ranjan Bhattacharjee, Geological Survey of India

A.P. Singh, Explore Engg. Consul. Pvt. Ltd.

Dr. K. Lakshmanan, Geological Survey of India

Mainak Ghosh Roy, NHPC Ltd.

Dr. Harish Bahuguna, UJVN Ltd.

Bhupender Singh, Geological Survey of India

G. Kanan, GeoConsult

Delhi-NCR Chapter: Dr. Ranjith Rath, EIL Ltd.

Pradeep Singh, Geological Survey of India

Dr. Pranoy V. Singh, NHPC Ltd.

#### 2. Executive Council Meetings

Three meetings were held during the period, which are as follows.



- Last meeting of the Executive Council 2016-17 was held on 20.01.2018
- 1st meeting of the Executive Council 2018-19 was held on 17.02.2018
- 2nd meeting of the Executive Council 2018-19 was held on 12.05.2018

### **3. Workshop and Conferences**

EGCON-2018 – the flagship annual conference of ISEG on Prospects and Retrospects in Engineering Geology, Geophysics and Instrumentation will be held at Hyderabad on 3-5 December 2018, will be held in collaboration with Geological Survey of India on 3-5 December 2018. Circular of the National Conference (<http://isegindia.org/pdfs/EGCON-2018-FIRST%20CIRCULAR-FINAL.pdf>) has been released with abstract submission deadline of 31.09.2018. 11 very pertinent themes have been envisaged for this Conference with plenty of invited lectures with a focus on the engineering geological aspects of the projects of southern India.

### **4. ISEG Publications**

ISEG News Vol. 14 No. 1 released in April 2018

Preparation for next issue of our inhouse journal – Journal of Engineering Geology (<http://www.joegindia.com/>)

## **Iraq National Group**

### **IAEG- Iraqi group**

#### ***Report of 1-Jan-2018 until 1-August-2018***

First of all, we would like to send our regards and I appreciate IAEG president and executive secretary's efforts to support us and guide us for future scientific activities under the umbrella of IAEG.

However, due to our involvement on the academic year and my new position as a Dean, our activities limited and as follow;

- 1- The Iraqi group have been held a workshop under the title of:  
***Using of Iraqi rocks as a construction material***  
This workshop was held in the university and attended by some of academic and professional geologist involving with this field of researches. The workshop was commenced by the introduction of IAEG (brief explanation) and our mission, as well as encourages the geologists and engineers to join the association.
- 2- The Iraqi group with the cooperation of the university arrange a field trip for graduate students of the applied geology department to increase their knowledge and practical background.

3- Moreover, the Iraqi group –IAEG will participate and will be one of the scientific supporting unions for an international scientific conference - University of Technology-2018 and 2019, <http://www.uotechnology.edu.iq/icptp/>  
And <http://erc.uotechnology.edu.iq/>

We believe this will spread the association and let more academic and professionals to join us and support us in the future.

### Italy National Group

In 2018, the Italian National Group of IAEG include a total number of 77 members, with an improvement of 2 new subscriptions.

The Italian national Group supported the organization and participated to the European Vice-presidents meeting that was held in Torino on June 22nd, 2018. During the meeting, several important aspects for the future of the IAEG were discussed and many suggestions and comments were synthesized in the final report of the meeting.

The National Group organized three workshops in: Torino (Piemonte region, NW of Italy), Firenze (Toscana region, central Italy), and Campi (Abruzzo region, central part of Italy).

The workshop in Torino (April 5, 2018) was dedicated to the use of innovative technologies in engineering geology, and registered a good number of participants (more than 120) and presentations done by researchers and professors of different Universities and Research Centers of northern Italy.

The workshop in Firenze (April 20, 2018) was dedicated to the history of the Italian engineering geology during their career, supported the discipline of engineering geology in many Italian universities.

The workshop in Campi (September 21 and 22, 2018) is dedicated to the large landslides that occurred during the winter 2016-2017 in Abruzzo region and that created a critical emergency condition after the earthquake sequence that affected the same area in 2015. The considered topics of the workshop are the activities done during the emergency but also all the remediation works projected and realized in 2017.

We also participated and sponsored by giving a patronage to various workshops and conferences (e.g. III<sup>rd</sup> International Workshop, Methods and technologies for environmental monitoring and modelling: emerging signals, risk perception and management, September 14th - 16th, 2017, Matera; Floods and landslides in Northern Italy between 2005 and 2016, 15 February 2018, Milano).

The Italian National Group tried with these meetings to start a series of cultural and educational activities directed towards professionals (geologists and engineers). Considering the success of these workshops and the possibility to meet more future subscribers to IAEG we are trying to work in collaboration with the Professional Order of Geologists for more continuous educational activities.

Italian National Group President  
Prof. Giovanni Crosta



Italian National Group Secretary  
Dr. Daniele Giordan



## Japan National Group

### JAPAN

By Hisatoshi ITO  
Secretary General for IAEG Japan National Group



#### 1. Name of the National Group:

IAEG Japan National Group, in Japan Society of Engineering Geology (JSEG)

#### 2. Name of Current Office Holders

Chairman for IAEG Japan National Group: Masahiro CHIGIRA  
President for Japan Society of Engineering Geology: Yasuhiko WAKIZAKA  
Secretary General for IAEG Japan National Group: Hisatoshi ITO

#### 3. Contact address:

Ochanomizu Sakurai Bldg. 7F, 2-3-14, Kanda-Surugadai, Chiyoda-ku, Tokyo 101-0062, JAPAN  
Tel. +81-3-3259-8232, Fax. +81-3-3259-8233, e-mail. [iaeg-japan-ng@jseg.or.jp](mailto:iaeg-japan-ng@jseg.or.jp)

#### 4. Membership Information:

With Bulletin: 79, Without bulletin: 6, Associated members: 6

#### 5. Activities during 2017-2018

##### 2017

##### <April> Debrief Meeting of the 2016 Kumamoto Earthquake

The 2016 Kumamoto earthquake of magnitude 7.3 occurred in April in the middle area of Kyusyu, southwest Japan. Seven terrible shocks continuously attacked in three days. JSEG formed a special investigation team consisting of about 40 members of engineering geologists just after the earthquake. The investigation team briefly presented the survey result and discussed about preparation for future disasters with local people on April 29, 2017. About 200 people participated in this meeting.

##### <July> Investigation team for Northern Kyusyu rainstorm Disaster

A JSEG Investigation team was organized for the Northern Kyushu rainstorm Disaster. Torrential rainfall occurred with a maximum hourly rainfall of 130 mm and a 280 mm rainfall in 3 hours in Northern Kyushu, July 5, 2017. This extreme heavy rain was caused by a linear rainfall belt along the energetic seasonable front. This should be due to extreme weather caused by climate change. About 300 landslides occurred in narrow area and in a short period, and debris flows with many destructive driftwoods attacked houses and people.

##### <October> The 4<sup>th</sup> Slope Tectonics Conference, Kyoto University

The 4<sup>th</sup> Slope Tectonics Conference was held at the Disaster Prevention Research Institute, Kyoto University on October 14 to 18, 2017. The conference received 80 papers from fourteen countries and had animated discussions. The main aim of the conference is to interdisciplinary understand mass movements on slopes. Post conference, 3 days field trip was organized to visit the Kii Peninsula, where is underlain by accretionary complex and numerous numbers of deep-seated catastrophic landslides were induced by 2011 typhoon Talas.

##### <October> 2017 Annual Meeting of JSEG, in Okayama

JSEG held 2017 Annual Meeting in Okayama on Oct. 12 to 13, 2017. About 300 JSEG members participated in, and about 160 oral and poster presentations were performed. As a special lecture, "Research of the Tsunami sediments of the previous Nankai Trough Earthquake" was presented by Prof. Makoto Okamura, Kochi University.



#### <November> Excursion team for Nepal

Japan National Group participated the ARC-11 held on November 28 to 30, 2017 in Kathmandu, Nepal and the field excursion EX-5 on December 1 to 2, 2017. EX-5 was JSEG special 3-days excursion of geology and topography along the route from Kathmandu to Pokhara. Participants of this EX-5 were 36 members of 20 Japanese team. Participants were explained about geological background in this area and landslides induced by the 2015 Gorkha earthquake shock. The next day, a short trekking at Pokhara was held and the participants enjoyed a beautiful Himalayan view.

#### 2018

#### <April> Meeting of the northern Kyushu Disaster 2017

The JSEG Investigation Team for Disaster Prevention made a report of the Northern Kyushu (West Japan) flood and debris flow disaster to mainly local people in April 28, 2018. About 200 people attended in this meeting, and over 60% out of them were general local people. They mentioned that they have improved their understanding for dangerous natural phenomena after the meeting. JSEG intends to continue and spread these engineering geological activities for disaster prevention.

#### <June> 60th Anniversary Symposium of JSEG

The JSEG held the 60th Anniversary Symposium on June 29 to 30, 2018 in Tokyo. The theme of this symposium was “Disaster experiences during recent 10 years and message to future generation”.

Increasing number of natural disasters caused by earthquake, extreme heavy rain, and volcanism etc. occurred in recent ten years in Japan. JSEG discussed our future actions and roles in accordance with recent activities and research results of JSEG members. We also organized one day excursion to learn about geological and topological features and how to mitigate urban disaster risks of Tokyo city.



## Korea National Group

(1) KSEG (Korean Society of Engineering Geology) National conference for 2017-2018

•Spring Conference 2017 was held in Hidden Bay hotel, Yeosu on 6 – 7 April with about 194 participants and 76 oral/poster presentation. As the invited lecturer, Prof. Faquan Wu, the Secretary General of IAEG, was presented lecture on “Infrastructure construction and engineering geology in China”. At the conference, Dr. Won, Kyoung-Sik was elected as the new president for KSEG (2017-2018). Fall Conference 2017 was held in Ancor Ramada Hotel on 9 – 10 November with about 153 participants and 76 oral/poster presentation.

•Spring Conference 2018 was held in DaeMyung Resort, CheongSong on 5 – 6 April with about 142 participants and 72 oral/poster presentation. In addition, half-day field trip for CheongSong area, which were selected as National Geopark, was offered.

(2) 12<sup>th</sup> Asian Regional Conference of IAEG under preparation

The 12th ARC will be held in Jeju island, Korea on September 24 – 26 in 2019. The executive meeting could be on September 21 and National council meeting could be on September 22. The organization committee has arranged pre-conference tour on September 23 and post-conference tour on September 27. The homepage of the 12th ARC is [www.iaegarc12.org](http://www.iaegarc12.org). Please pay close attention to the news from the organization committee and IAEG Newsletter.

(3) Workshop for “Earthquake Induced Geological Hazards”

On February 8 2018, KSEG held annual workshop for “Earthquake Induced Geological Hazards” at Sejong University, Seoul, Korea. About 60 participants were attended and 5 oral presentations were presented. The workshop was dealt with broad Earthquake-induced geo-hazards such as landslides, ground liquefaction, dynamic analysis method for slope stability, active faults in Japan.

### Plans for 2017-2018

(1) Fall conference of KSEG will be held at Gwangju area on November 8-9, 2018. In addition, the national conference (April) for 2019 is planned.

(2) The 12th ARC of IAEG will be held in Jeju island, Korea on September 24-26 2019. The venue of the ARC meeting will be Booyoung Resort in Jeju island and the homepage of the 12 ARC is [www.iaegarc12.org](http://www.iaegarc12.org). The details about the 12th ARC meeting will be announced in the official homepage.



Venue hotel of 12th ARC



Jeju island



## Malaysia National Group

### 1.1 11th Asian Regional Conference of IAEG

Representatives and participants from Malaysia attended the 11th Asian Regional Conference of IAEG in Kathmandu, Nepal from 28th to 30th November 2017. The event was organised by Nepal Geological Society.



### 1.2 Annual General Meeting

The 2nd Annual General Meeting (AGM) of SEGRM was organised on 20th April 2018 at the University of Technology Malaysia. A half-day Seminar was also conducted together with the AGM with 3 presentations as follow:

- The Effect of Basin Inversion on the Rock Physics Properties and AVO Feasibility of the Malay Basin by Uzir Alimat, Petronas
- Selection and Modelling Issue in Rock Slope by Dr Rini Asnida Abdullah, UTM
- Integrated Landslide Risk Management in Malaysia: From Policy into Practice by Dr Khamarrul Azahari Razak, UTM



### 1.3 Quarterly Forum on Engineering Geology and Rock Engineering #1

The Quarterly Forum on engineering Geology and Rock Engineering was established to provide platform for engineering geologists and rock engineers to get-together and discuss issues professionally. The Forum aim to cover as many issues possible for the betterment of the practice and the profession. Every forum will have specific theme. This first forum was organised on Thursday, 15th March 2018 with a theme 'Back to Basic'. Report from this forum shall be published for further reference and discussion. The topics discussed were:

- Engineering Geological Mapping: Back to Basic by Associate Professor Dr Tajul Anuar Jamaludin, National University of Malaysia (UKM)
- The Basis of Professional Engineering Geological Practice by Abd Rasid Jaapar, Rockscience Engineering Sdn Bhd
- The Expectation from the Products of an Engineering Geologist: Malaysian Perspective by Dr Ferdaus Ahmad, Department of Mineral and Geoscience Malaysia

### 1.4 Symposium on Geo-engineering in Tropical Region (SEGRM-GEO)

SEGRM has successfully organised the Inaugural Symposium on Geo-engineering in Tropical Region (SEGRM-GEO) which was concluded recently on 3rd and 4th July 2018 at the University of Technology Malaysia (UTM), Kuala Lumpur. The Symposium managed to gather 73 numbers of like-minded engineers, geologists and other geo-professional from academia as well as the public and private sectors to share their researches, case studies, and experiences. The Symposium was organised jointly with Geological Society of Malaysia and Malaysia-Japan International Institute of Technology, UTM. Four keynotes were delivered as follow:

- Standardisation of Rock Testing, Characterisation and Monitoring, Implementation Problems and Contractual Issues by Professor Dr Resat Ulusay, President-Elect, ISRM
  - Challenges in Urban Tunnelling by Prof Dr Seokwon Jeon, ISRM VP for Asia
  - Innovation Underground Technology and Engineering for Sustainable Development by Ir Syed Rajah Hussain Mohd Haniff, Chairman, Tunnelling & Underground Space Technical Division, Institution of Engineers, Malaysia
  - CREaTE Future Research Related to Construction Industry in Malaysia by Ir Dr Che Hassandi Abdullah, Director, Centre of Excellence for Engineering and Technology (CREaTE)
- Representatives from IAEG National Group for Singapore and ISRM National Group for Indonesia also attended the Symposium. International participants including from Japan, Korea, Indonesia, Singapore and students from Iran, Nigeria, etc.



**1.5 International Short Course on Principles and Practical of Engineering Geology and Rock Engineering**  
The two-days short course was organised on 5th and 6th July 2018, back-to-back with the Symposium and was delivered by Professor Dr Resat Ulusay, the ISRM President-elect. The short course was well attended by 62 local and international participants.



## Netherlands National Group

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 2017 the group has 150 members, of which 33 are member of the IAEG.

The INGEOKRING has been accredited to deliver continuous professional development (CPD) courses by the European Federation of Geologists in 2015. It maintains close contacts with its sister organisations in Belgium and Germany. The INGEOKRING maintains a website: <https://www.ingeokring.nl/> . On the website one can also find online copies of the INGEOKRING Newsletter journals that have been published.

The INGEOKRING board consisted in 2017 of: Dr. ir. Robrecht Schmitz CEng CGeol (chairman), ir. Milcar Vijlbrief (secretary), ir. Judith Lascol (treasurer), Dr. ir. Dominique Ngan-Tillard (member, ISRM representative), Dr. Peter Verhoef CGeol (member, IAEG representative), ir. John Adrichem (member), William Munsterman (website master), and a student representative of Delft University of Technology (TU Delft). Two members of the board (John Adrichem and Milcar Vijlbrief) are members of the expert panel geotechnics of the European Federation of Geologists.

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.

Every year, the INGEOKRING selects a theme around which it organizes several activities: one or two site visits, a symposium, a Newsletter, and a continuous development course. Year 2017 was dedicated to “Digital data handling in Engineering Geology”.

On May 17 of 2017 a visit to the Geo Engineering Laboratory of the TU Delft was organized. On August 25, together with the Mining Engineering Section within the KNGMG, an excursion to the room and pillar mines in the Cretaceous Limestones of the St. Pietersberg was made and a visit to the UNESCO mine of Blegny in Belgium, where longwall mining in coal was practiced in the past. Ingeokring member Mike Lahaye (city geologist of Riems) guided the tour and explained in detail how the risk with mining induced surface damage is handled in a similar shallow room and pillar mining settings in neighboring Belgium. The focus was on the role of Engineering Geology in underground mining in the 21st century and on the assessment of the stability of ancient underground mines. Dr. ir. Robrecht Schmitz provided a presentation about the contemporary underground mining techniques. In November 2017 an excursion to the rock quarry in Winterswijk was organized, where Dr. ir. Robrecht Schmitz and Dr. Koen Vos of Sibelco discussed the rock mechanical projects that are developed for this quarry.

The yearly Autumn Ingeokring symposium on Digital Data in Engineering Geology occurred on 24 November. The symposium was very well attended by over 100 participants. Talks were given by Dr. Kim Cohen (Utrecht University) on map-communicated digital geology of the Dutch coastal-deltaic plain; by Ing. Martin de Kant of Royal Haskoning DHV on digital engineering for the design of the new international airport Mexico City; by Dr. Koen Vos & Dr. Ir. Robrecht Schmitz of Sibelco on contemporary geotechnical management of mines and quarries combining terrestrial, drone, and satellitebased techniques; by Martin Bertges of Dr. Doris Bertges Vermessungstechnik on holistic deformation monitoring for the NEAT Gotthard/Ceneri tunnel project in Switzerland and finally by Dr. Roland Bekendam of GeoControl on ground movements in South-Limburg.

The two yearly prize for the best MSc thesis in the field of Engineering Geology was awarded to Manuel Aukenthaler for his thesis entitled "The Frozen & Unfrozen Barcelona Basic Model; A verification and validation of a new constitutive model".



## Nigeria National Group

The Association held its council meeting in Port-Harcourt, Rivers state on the 28th of June, 2018. It was indeed a full house and many matters pertinent to the growth and development of NAEGE and Engineering Geology in general were deliberated upon.

Chief among the matters deliberated on were:

1. representation of NAEGE at the 2018 IAEG conference in San-Francisco
2. the urgent need for a detailed and up to date National Geotechnical database;
3. the official inauguration of YEG members in NAEGE;
4. the upcoming conferences both at national (NAEGE) and international (IAEG) levels;
5. the need for a much greater recognition and relevance to the Government at all levels of governance in the country;

Young Engineering Geologist are being mobilized through outreach into universities and exposure to engineering geological field activities. The official inauguration of the YEG members in NAEGE will be done at the 2018 NAEGE conference and a substantial working committee will be set up to oversee its affairs. It is also expected that its 1st General meeting will be held during the conference.

Arrangements are continuing towards the 3<sup>rd</sup> Annual International Conference of the Association **scheduled to hold between 7th - 10th October, 2018 in Port-Harcourt, Rivers state.**

Theme: ENGINEERING GEOLOGY FOR SUSTAINABLE DEVELOPMENT and with an estimation of between 150 to 200 participants, it promises to be eventful one.

To increase public awareness of NAEGE among peoples of the host region, the conference LOC embarked on pre-conference public sensitization and courtesy visits to some major government establishments. Some of which include:

1. Rivers State Ministry of Energy & Natural Resources
2. Niger Delta Basin Development Authority (NDBDA)
3. Courtesy Visit to The Rivers State Commissioner for Works
4. Courtesy visit to 89years old Geotech Icon, Engr. Enoch George



Photo of Young Engineering Geologist exposed to site exploration using percussion rig



Group photograph of Nigerian National Group Council meeting, June 2018 in Port-Harcourt



Group photograph with the 89 years old Geotech Icon, Engr. Enoch George

## Paraguay National Group



### 2017 PARAGUAYAN GEOTECHNICAL SOCIETY ANNUAL REPORT

#### 1) Background

The Paraguayan Geotechnical Society was founded in the city of Asunción, on the 23 of August 1978.

In the Founding Act, it was established that natural or legal persons could become members, but only natural persons have the right to vote.

To better accomplish its goals, the Paraguayan Geotechnical Society is administered by a Board of Directors. Among its members, there is a President and three Vice-Presidents, for the divisions of Soils, Rocks and Engineering Geology.

The current Board of Directors was elected on December 2015, and it is renewed every two years in accordance with the Society Statutes.

#### 2) 2016/7 Paraguayan Geotechnical Society Board of Directors

President:

José Pavón

Vicepresident for Soils:

Juan Carlos Andrada



Vicepresident for Rocks:	Rubén Zárate
Vicepresident for Engineering Geology:	Juan Bernié
Secretary General:	Roberto Andrada
Treasurer:	Hugo Cacace
Chair:	Norma Cantero
Chair:	Lisa Lugo
Chair:	Laura Motta
Honor Tribunal:	Carlos Bellassai
Honor Tribunal:	César López
Honor Tribunal:	Miguel Stanichevsky
Alternate Honor Tribunal:	Fernando Amábile
Alternate Honor Tribunal:	Felipe Ramírez
Alternate Honor Tribunal:	Rubén López
Regular Syndic:	Leticia Ramírez
Alternate Syndic:	Julio Bareiro
Past President:	Raúl Mena

### 3) Technical events

The Paraguayan Geotechnical Society, along with other associations and sponsors, has organized some technical lectures and conferences open to the general public. These are the main ones:

Workshop “Soil and Rock Properties”, 19-21 September 2017, Asunción. Sponsors: “Asociación Latinoamericana de Control de Calidad, Patología y Recuperación de la Construcción” – ALCONPAT, “Asociación de Profesionales de la Construcción” – APROCONS and Sociedad Paraguaya de Geotecnia (SPG).

Seminar “Quality Control of Deep Foundations”, October 23-24, 2017, Asunción. Sponsor: Sociedad Paraguaya de Geotecnia (SPG).

All these events have had special participation prices for university students.

### 4) Participation in technical events and conferences

Members from the Paraguayan Geotechnical Society (SPG) have participated in many Conferences both locally and internationally. The main ones are:

III International Congress on Deep Foundations TC212, April 27-29, 2017, Santa Cruz – Bolivia. Sponsor: Society of Engineers of Bolivia.

ALCONPAT Paraguay Conference, September 19-21, 2017, Asunción. Sponsors: “Asociación Latinoamericana de Control de Calidad, Patología y Recuperación de la Construcción” – ALCONPAT, “Asociación de Profesionales de la Construcción” – APROCONS and Sociedad Paraguaya de Geotecnia (SPG).

Seminar “Quality Control of Deep Foundations”, October 23-24, 2017, Asunción. Sponsor: Sociedad Paraguaya de Geotecnia (SPG).

## 5) Publications

Member from the SPG have published and presented papers and articles in different Conferences that the Society has organized, as well as in Conferences where the SPG representatives have participated.

## 6) Technical Committees

Four Technical Committees have been formed to work together with other associations and Government institutions, in areas of interest for the SPG members as well as for the local scientific community.

- Bridges  
Under formation, to define and establish technical specifications, guidelines, and the scope of work for a geotechnical site testing program for the construction of bridges. A manual for “Geotechnical testing program for bridges” will be presented to the Ministry of Public Works.
- Geotechnical information necessary for urban construction projects  
Evaluation of the necessary geotechnical information and testing program for large open excavations and foundations for projects in the city of Asunción, in order to establish regulations by the City Council.
- Experimental testing field  
Initial phase of an agreement between the Paraguayan Geotechnical Society and the Engineering School of the Catholic University of Asunción. The main goal is to have a piece of land on campus destined to on-site large scale geotechnical experimental testing.

- Cooperation Agreement

Cooperation agreement with the Secretaría Nacional de la Vivienda (SENAVITAT), regulation geotechnical of field and laboratory tests, for economics houses.

#### 7) Board of Directors meetings

Monthly meeting are held to discuss different aspects regarding the institutional life of SPG. These meetings are focused on establishing goals and coordinating the different activities of the Society.

#### 8) ISSMGE – ISRM – IAEG

The SPG is in permanent contact with the international societies through the regional vice presidents. All the information received by these societies is sent to the SPG members by e-mail.

#### 9) Reports

Communication between the SPG and its members is performed mainly by e-mail. The Association also has a Webpage, in which the information is updated periodically.

#### 10) Members

The Society completed 30 active members during the period considered.

#### 11) Social events

The Paraguayan Geotechnical Society formal dinner was held in December 2017.

Asunción, August 2018

## Portugal National Group

### **SPG Activities during 2016**

In addition to the regular mails from the SPG Secretariat with the General Secretary and the Treasurer of the IAEG, regarding the SPG membership who are also associated to the IAEG, the activity with the International Association summed up the participation as National Group of Portugal in the Council of the IAEG held in Kathmandu, Nepal (11th Asian Regional Conference of IAEG) on 26th November 2017, represented by Professor Ricardo Oliveira, Past President of the IAEG. Prof. Ricardo Oliveira presented in this Conference an invited keynote Lecture under the theme "Arrábida Natural Park, Setúbal, Portugal. Stabilization of Cliffs over the road EN 379-1" and was chairman of the Technical Session VII: "The 2015 Gorkha Earthquake".

### **Other SPG Activities during 2017**

- JORTEC'2017 Symposium – "Geological Engineering" was under the main theme "Risks related to geotechnical works and georesources exploitation", held in University Nova de Lisboa (FCT|UNL) and organized by Geology Division of AEFCT|UNL with the support of SPG and OE-RS. The event was attended over 75 participants.
- Technical Field Visit to the Águas Santas and Marão Tunnels (N Portugal), organized by CPT, OE and SPG, 14th February 2017 and was attended over 50 participants. The engineering geologists Nadir Plasencia and Raúl Pistone, members of IAEG, had an active role on the visit.
- SPG organized the 13th Annual meeting, on 29th March 2017 in Lisbon, Portugal.
- SPG Special Lecture, by Paulo Matias Ramos, design engineer at Teixeira Duarte – Engenharia e Construções SA (Portugal), on "Foundations in fluvial and marine environment", 29th March 2017 in LNEC, Lisbon, Portugal was attended over 80 participants.
- Workshop on "Shallow Geothermal Systems: applications and perspectives" held in University of Aveiro under the framework of the SUCCESS Project, 8th May 2018 was attended by over 80 participants.
- A. Gomes Correia, Past President of SPG, taught the 2nd Proctor Lecture, 18th September, "From fundamentals to applications in compaction: recent developments in embankments and structural layers of pavements and railways", during the 19th ICSMGE, Seoul, South Korea.
- During the 6th Conference of Young Geotechnics (iYGEC6), integrated in 19th ICSMGE (Seoul), SPG was represented by Daniel Ribeiro, winner of the prize for Young Geotechnics SPG'2016, with the oral communication "Modelling the mechanical behaviour of sand-cement mixtures".
- The XXXIIV Manuel Rocha Lecture, 11th October 2017, Lisbon, was taught by Professor Paul Mayne, Georgia Institute of Technology (USA), on "Stress history of soils from cone penetration tests".
- Ist Portuguese Seminar on Transportation Geotechnics (ISGT'2017), organized by SPG Portuguese Technical Committees CPGT and IGS-Portugal, 11th-13th October, LNEC, Lisbon. The event was attended by over 240 participants.
- SPG organized 8th Meeting of Young Geotechnics, on 13th October 2018 in Lisbon, during the ISGT'2017. The José Folque prize for Young Geotechnics SPG'2018 in Portuguese language was awarded to the work "Landfill approach to integral bridges: mitigation of settlements through geogrid reinforcement". Two Honourable Mentions were also awarded to the works "Microzoning of susceptibility to liquefaction applied to a case study in the Lisbon region" and "Influence of bending strength of retaining walls on the bottom rupture of excavations in sandy soils". The José Folque prize for Young Geotechnics SPG'2018 in English language was awarded to the work "Intelligent earthworks optimization system".

- Workshop on “Circular Economy in Environmental Geotechnics” held in University of Coimbra, 22th November 2017, and co-organized by U.Coimbra and CPGA|SPG. The event was attended over 150 participants.
- SPG Organizing committees, Advisory committees and Scientific committees developed an intense work during 2017 in monitoring and/or preparation of several conferences to be held in 2018/2020, such as: i) 16th Portuguese Geotechnical Congress and 9th Portuguese-Spanish Geotechnical Symposium (Ponta Delgada, Azores, May 2018); ii) NUMGE2018 - 9th European Conference on Numerical Methods in Geotechnical Engineering, Porto, Portugal, June 2018; iii) XXXV Manuel Rocha Lecture (Dr. Laura Caldeira, LNEC), Lisbon, October 2018; iv) CPGA|SPG Workshop “Geotechnical solutions for inter-regional environmental problems Portugal-Spain” (Covilhã, 2019); v) 4th International Conference on Transportation Geotechnics (Guimarães, 2019); vi) IInd International Workshop on Natural Hazards (NatHaz19) – “Hydrological Risks” (Azores, May 2019); vii) 17th Portuguese Geotechnical Congress and 10th Portuguese-Brazilian Geotechnical Congress (Lisbon, 2020).
- SPG provides to all active members an electronic Newsletter bimonthly. In 2017 were published the issues 28 to 32.
- In 2017 were published 3 issues of the following SPG journals: i) “Geotecnia” (139 to 141); ii) “Soils and Rocks” (Volume 40 – issues 1, 2 and 3).

## Romania National Group

ROMANIA

By Mihaela Stănciuc



**ASOCIATIA ROMANA DE GEOLOGIE INGINEREASCA (A. R. G. I.)**

ROMANIAN ASSOCIATION FOR ENGINEERING GEOLOGY

ASSOCIATION ROUMAINE DE GÉOLOGIE DE L'INGÉNIEUR

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Bucharest, June 2018

### - Name of the National Group:

Romanian Association for Engineering Geology (Asociatia Romana de Geologie Inginereasca)

The ARG I is affiliated as independent organization to the Geological Society of Romania.

### - Names of current office holders:

Assoc. prof. Ph.D. Eng.geol. Mihaela Stănciuc (University of Bucharest) – President

Eng. geol. Emilia Milutinovici (Search Corporation)- Vice President

Ph.D.Eng.geol. Sorin Mihai-Scientific Secretary

Assistent Ph.D. Eng.geol. Mihaela Roca - Treasurer

Prof.dr. Cristian Mărunțeanu (University of Bucharest) - Past President



**- Contact address:**

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Web site: [www.argi.info.ro](http://www.argi.info.ro)[https; bwww.facebook.com/ARGI](https://bwww.facebook.com/ARGI)

**- Membership information:**

- 15 IAEG members with bulletin;
- 7 IAEG members without bulletin;
- 26 members of the national group.

**- Activities during 2016-2017:**

- General Assembly, March 3th 2017, with the themes: presentation of ARGİ and Director Committee activity; financial report and two scientific presentation of our members Cristina Tomşa and of the President.
- Continuous support for the "Octogon", student association for Engineering Geology associated to the Faculty of Geology and Geophysics; active members of ARGİ presented in several sessions aspects of their worldwide activity and support the summer field trips.
- Organizing activities beside Romanian Society for Applied Geophysics and participation with papers to the session of engineering geology and hydrogeology of the annual national symposium "Geology and Geophysics – GEOSCIENCE 2017" organized by the Faculty of Geology and Geophysics, University of Bucharest, on 24th of November 2017 with participation of the European Association of Geoscientists and Engineers (EAGE).
- 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.
- On behalf of the Romanian National Group the board of our organization

advanced two official Memorandum addressed to the Minister of Regional Development and Public Administration, regarding the restriction of the access of engineering geologist at public auctions for geological and geotechnical studies for highways, motorways, or other public works, during last several years, or to the public competitions for “technical expert” accreditation in the field of “mechanical resistance of earth structures and foundation terrains”.

Assoc.prof.Ph.D. Eng. geol.

Mihaela Stănciucu

President of the Romanian Association for Engineering Geology

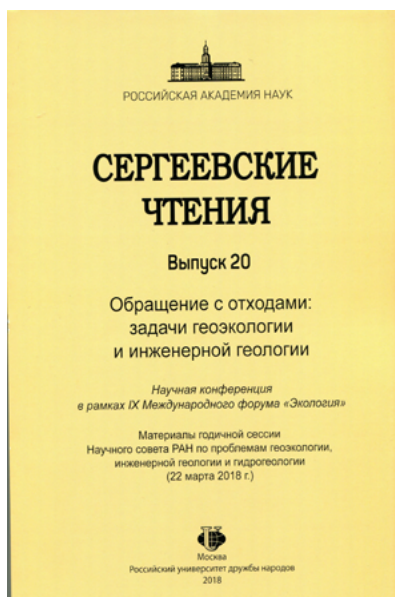
## Russia National Group

### Conference and Workshop

In 2018, the following events are organized by the Russian National Group of IAEG:

- The twentieth annual conference “Sergeevskie chteniya” in commemoration of academician E.M.Sergeev (organized by the Scientific Council RAS in Moscow on March 22, 2018). The conference discussed the topic "Waste management: tasks for environmental geoscience and engineering geology" and was held within the framework of International Ecological Forum. The conference agenda included 1 plenary and 5 sectional meetings, within which 22 oral reports were delivered.

The conference was attended by 130 participants from Russia, Belarus, Azerbaijan, Switzerland and Uzbekistan. The volume of Conference Proceedings was published (Sergeevskie chteniya, issue 20, Moscow, RUDN Publ., 2018, 272 pp.).



The cover of the Sergeevskie chteniya Proceedings' volume      The group of participants at the Sergeevskie chteniya conference in 2018. Academician V.I. Osipov is in the centre

- Extended meeting of the Scientific Council RAS

on the problems in environmental geoscience, engineering geology and hydrogeology was held in Moscow on May 21, 2018. The topic for the discussion was "Analysis of existing natural hazards in Moscow territory for the security of engineering objects and urban population». The invited reports were presented by Prof. Pashkin, Prof. Khomenko, Dr. Postoev, Dr. Kazeev, and Dr. Egorov. The meeting was attended by 77 experts from 21 research, educational and production institutions.

- Workshop on “Karst issues in the current construction norms and standards” was held in Nizhnii Novgorod on May 16, 2018 in the framework of the 20th International Scientific and Production Forum “The great rivers”. The workshop was attended by

- The 10th Conference on the Analysis, Prediction and Management of natural risks with the account of the global climate change (Georisk-2018) will be held in Moscow on October 23-24, 2018.

#### **4. E.M. Sergeev’s medal.**

E.M. Sergeev’ medal “For the Outstanding Contribution to Engineering Geology and Environmental Geosciences”, which is a professional award in the Russian engineering geology and environmental geosciences, was awarded in 2018 at the conference “Sergeevskie chteniya” to the following distinguished Russian engineering geologists: Dr. Ogorodnikova, Prof. Voznesensky, and Prof. Yarg.

#### **Other Activities**

In the year 2018, members of the Russian national group IAEG are taking part in the international IAEG activities. I.V. Galitskaya, and O.N.Eremina are intensely involved in the activities as members of the Editorial Board of Bulletin of Engineering Geology and the Environment.

Deputy chairman of the Russian national group Dr. A. Kazeev has attended the IAEG European meeting on June 22, 2018. He is also nominated by the national group for the Richard Walters Prize Contest in 2018. A member of the Russian national group, Prof. E.Voznesensky (Moscow State University) is nominated for the position of Vice President IAEG for the term 2018-2022. Dr. Kazeev and Prof. Voznesensky will represent the Russian national group at the IAEG Congress in San Francisco.

Chairman of the Russian IAEG National Group,  
Academician  
Victor I. Osipov



#### **Letter of Thanks to Professor Owen White**

It is with deep sorrow that we have learnt the sad news about the death of Past President IAEG Prof. Dr. Owen White. We highly appreciate Prof. White’s great contribution to engineering geology.

He was one of the founders and leaders of IAEG , and he made strong efforts for the development of our association. In the chair of IAEG President, Prof. Owen White worked hard for establishing cooperation between scientists from different countries. We remember him travelling to Russia and making good friends and close professional relations with his colleagues in the Soviet Union. He worked together with Prof. Sergeev for a long time. The Russian national group IAEG remembers Prof. Owen White with great warmth and sympathy. Our big IAEG family has lost one of his oldest members. Here, we convey our most sincere condolences to Mrs.Elizabeth White and his family.

Chairman of the Russian national group, Prof. Victor Osipov  
Secretary, Olga Eremina

## Iceland National Group

Iceland National group has been absent from IAEG for 7 years. However, we got good news from Iceland National group that they have applied to get re-activated in 2018.

President Scott has been in Iceland in late July for two weeks leading a group of 24 around the country seeing all of the wonderful glaciers, volcanoes, geothermal areas, waterfalls, paleo floods, and mid-Atlantic Ridge.

While he was in Iceland, he met with the officers of the Iceland National Group. The Iceland National Group have filled out the paper work and are reactivating their national group. Below is a photo of the group ( They are sending Gunnar Bjarnason to San Francisco and he will be at the council meeting on Sunday!

It is very small, but a great group in Iceland. They are putting on the European Soil Mechanics meeting in September 2018. Please click <https://www.ecsmge-2019.com/> for the detailed information.



President Scott with members of Iceland National Group

(From left to right: Haraldur Sigursteinsson (president), Scott, Sigurdur Erlingsson, and Thorsteinn Saemundsson.)

## Serbia National Group



ДРУШТВО ГЕОЛОШКИХ ИНЖЕЊЕРА И  
ТЕХНИЧАРА СРБИЈЕ (ДГЕИТС)



11000 Београд, Кнеза Милоша 9, Т.р. бр. 355000000104009445, ПИБ: 102466456

IAEG Serbia National group

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Subject: Annual report for IAEG on activities of Serbian National group  
in the period October 2017 – August 2018

Between October 2017 – August 2018 members of IAEG Serbian National Group, together with Institute for geotechnical and engineering investigation in construction from Moscow (Институт геотехники и инженерных изысканий в строительстве, ИГИИС) organized 1<sup>st</sup> Serbian-Russian meeting "Dangerous geological processes and their impact on design and construction" in Belgrade (Serbia), on 11-16<sup>th</sup> June 2018. Meeting was held in Great Hall of "Railways Serbia" and Traffic Institute CIP in the center of Belgrade (Figure 1).

Members of the Scientific Board from the Serbian side were: prof.dr Duško Sunarić, President of the Board, Milutin Ignjatović, general director of Traffic Institute CIP, prof.dr Adam Dangić, doc.dr Srđan Kostić, prof.dr Dragutin Jevremović, Vladimir Filipović, Branko Jelisavac and dr Milenko Vasiljević, while from the Russian side were: Богданов Михаил Игоревич, Кочев Андрей Давидович, Торбина Екатерина Андреевна и Павлов Александр Николаевич.



Figure 1. Venue of the Symposium.

Meeting consisted of two parts: lectures and scientific excursion. Invited lectures were given in the following order:



**ДРУШТВО ГЕОЛОШКИХ ИНЖЕЊЕРА И  
ТЕХНИЧАРА СРБИЈЕ (ДГЕИТС)**



11000 Београд, Кнеза Милоша 9, Т.р. бр. 355000000104009445, ПИБ: 102466456





Figure 2. Photos from the meeting.

We wish you successful meeting in San Francisco, and looking forward to future cooperation.  
Belgrade, 27th August 2018.

Best regards,

Prof. Dr Duško Sunarić  
President of IAEG NG Serbia

Dr. Srđan Kostić  
Secretary of IAEG NG Serbia

## Singapore National Group



## Society for Rock Mechanics & Engineering Geology

1 Liang Seah Street #02-11 Liang Seah Place  
Singapore 189022

### SRMEG Activity report for August 2017 to August 2018

#### Seminar on “The Earth Evolution as a Thermal System”, 7 September 2017

In collaboration with the Nanyang Technological University Civil & Environmental Engineering & Earth Observatory of Singapore, SRMEG conducted a seminar on “The Earth Evolution as a Thermal System” by Prof C.A. Tang from CRISR of Dalian University of Technology.

#### Seminar on “Site Investigation for Rock Caverns – Deterministic Approach & Data Validation Process”, 14 September 2018

This seminar on was conducted by Dr. Philippe Vaskou from Geostock on 14 September 2018. The seminar focused on site investigations and on the way to improve site assessment and characterization for tunneling and cavern projects. It was attended by 30 persons.

#### SRMEG Evening Lecture & Networking Night 2018, 26 January 2018

This lecture on “NATM – A term used so often but, what is it really in the Singapore context?” by Dr Oskar Sigl was held at Hilton Singapore and was well attended by 60 members and invited guests. This lecture focused on the main principles of NATM and how they originally came about and then illustrated how they are applied in ground conditions using a few practical examples explaining the application of NATM to a variety of ground conditions.

#### SRMEG Best Presentation Award 2018

The SRMEG Best Presentation Award was established to promote research and development work in the area of rock mechanics, rock engineering and engineering geology.

The SRMEG Committee served as the judges for the abstract portion of the SRMEG Best Award while Prof Zhao Zhiye (SRMEG President), Dr Lee Young Zoo (SRMEG Committee Member) and Mr Tan See Chee (Executive VP, Infrastructure Group, CPG Consultants Pte Ltd) served as the judges for the presentation portion of the Award. The results were as follows:

Winner: Dr. An Xinmei, “Controlled Rock Blasting for Underground MRT Station Construction in Bukit Timah Granite”

First Runner-Up: Dr Nie Wen, “Excavation Design for Rock Caverns Based on Roof Displacement Control”

Second Runner-Up: Mr Andrew Forsythe, “Hazards and Safeguards for Incorporating 3D Geological Models into Civil Works Design Workflows”



### Society for Rock Mechanics & Engineering Geology

1 Liang Seah Street #02-11 Liang Seah Place  
Singapore 189022

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#### 13<sup>th</sup> Annual General Meeting & Book Prize 2018

The 13<sup>th</sup> SRMEG AGM was held on 7 March 2018 (Wednesday), at Marina Mandarin Hotel. During the AGM, 2 book prizes were awarded to the 2 recipients:

- Nanyang Technological University CV2013: Engineering Geology and Soil Mechanics – Tan Chia Wei
- National University of Singapore CE5104: Underground Space – Uruthirakodeeswaran Kaneswaran

#### Seminar on “The Application of Geophysics for TBM Tunneling”, 12 June 2018

This seminar by Mr Andre Heim from Herrenknecht AG was jointly organised by Nanyang Centre for Underground Space (NCUS) and SRMEG. This seminar the practical operation of geophysical prediction systems developed and used for application in mechanised tunneling at Herrenknecht AG. The seminar was attended by 25 persons.

#### The 6<sup>th</sup> Workshop on Geology of Singapore, 11 July 2018

This one-day workshop was organised by SRMEG with the support of GeoSS. It aims to present and discuss systematically the geology of Singapore, as the Geological Map of Singapore has been updated from the old version published in 1976 and a new Stratigraphical Framework for geology of Singapore has been proposed. This workshop brings together experts and practitioners from Singapore to share their knowledge and experience. The workshop was well attended by 57 persons.

#### ARMS10 - the ISRM 10th Asian Rock Mechanics Symposium, 29 October - 03 November 2018.



ARMS10 preparation is going smoothly, About 500 abstracts were received and more than 300 full papers were accepted for the ARMS10. Sponsorship and exhibition is also progressing well with several of the sponsorships and exhibition booths sold. Marketing for the Symposium is ongoing to encourage participation from both local and overseas.

Please visit the ARMS10 webpage for more information:

<http://www.arms10.org/public.asp?page=home.htm>

13th Asian Regional Conference of the international association for engineering geology and the environment (IAEG), 2021.

SRMEG has submitted a proposal to host the 13<sup>th</sup> Asian Regional Conference (13<sup>th</sup> ARC of IAEG) in 2021 at Singapore during council meeting of 11 ARC in November 2017 in Nepal.

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Email: [srmeg@cma.sg](mailto:srmeg@cma.sg) | Website: [www.srmeg.org.sg](http://www.srmeg.org.sg)

## South Africa National Group

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PO Box 1603, Houghton, 2041, South Africa



### Report for the period October 2017 – September 2018

#### South African National Group, IAEG

The past year was generally a busy year for engineering geologists in South Africa, although slower economic growth and downturn in the mining sector influenced the profession negatively. The year 2018 was also the first full year of the continued professional development points system by Professional Natural Scientist registration authority. The NG (SAIEG) played a leading role in the presentation and validation of professional activities (e.g. talks, short courses, seminars, etc). There is also close collaboration with the Geotechnical Division of the SAICE with regards joint professional activities and validation of relevant activities are usually for both engineers and engineering geologists. Activities presented by the National Group during 2018 included the AGM and Awards dinner where the top award was presented to Phil Paige-Green and the student awards for the best fourth year degree project was also awarded.

Membership stands at 155 full members. The local young members group, initiated due to the developments in IAEG, is active under the leadership of the South African representative to the IAEG YEG, Siya Ndlovu and get together socially, but also to meet informally with senior professionals.

SAIEG arranged a three day seminar on dolomite risk assessment with the University of Pretoria and the Geotechnical Division, which was well attended by 177 delegates from government, local authorities, academia and consultants. SAIEG continue supporting field excursions at the two universities presenting degree programmes in engineering geology and it is foreseen that the need to sponsor teaching and training activities will increase in future due to financial limitations faced by tertiary institutions.



The NG also presents courses in rock and soil description as well as an introductory course on rock identification, which is well attended by both engineering geologists, geotechnical engineers and laboratory technicians. A lot of effort went into renewing and updating our website and communication with membership is via e-mail drops with details appearing on the website.

The SAIEG Council have 4 meetings per year and after each meeting communicates with members through two newsletters supplemented by two "Message from the President" e-mails.

After many years as the only NG on the African continent and having the African IAEG VP by default being a South African it was decided to not nominate a VP for Africa from our NG due to a few other NG's now established on the continent. We are also the local AEG Chapter falling under the AEG International Section. This led to the closing of the South Africa Section of AEG with all SAIEG members now also affiliated with the AEG.



Louis van Rooy

**SAIEG President (2017-2018)**

### Spain National Group

The following report is a brief resume of AEGAIN activities in the Last period .

During last quarter 2017 the NG celebrated two sessions oriented:

To control and mitigate the impact in the land scape by public works in the first semester of this year.

A reestructuración of the politics and strategies of the NG has been designed and Will be presented in a general assembly for approval.

Prof. Carlos Delgado

President of Spanish National Group

### Sweden National Group



**Svenska Geotekniska Föreningen**  
Swedish Geotechnical Society

### Annual report IAEG – 2017

#### Swedish Society of Engineering Geology (SGF)

The Swedish Society of Engineering Geology (Byggnadsgeologikommittén, BGS) has since 2015 been a technical committee within the Swedish Geotechnical Society. The benefits of this cooperation are mutual for both societies. Administrative cost and resources are shared, members receive information about and possibility to attend activities in both societies. The cooperation also facilitates the societies common strive to develop the area of geotechnical engineering, environmental engineering and engineering geology. As of 2018 the Swedish Geotechnical Society has undergone a reorganization dividing the society into four sections; Soil, Rock, Environmental and Groundwater. This change was necessary as the organization has grown rapidly in recent years. The technical committee (now named working group) Swedish Society of Engineering Geology belong to the Rock section.

One focus for the society during 2017 is education. New courses have been developed with the aim to increase the possibility for the active engineer to develop their competence within the field. SGF has actively contributed to this work with development of courses both related to rock, groundwater and geological properties of the ground. As every year, traditionally BGS has arranged an excursion to a, from an engineering geology perspective, interesting site. SGFs intention is to continue with this tradition, to arrange at least one excursion per year. This year several site visits have been executed in the Stockholm area, where large U/G infrastructure projects are in progress.

Except for an open start-up meeting to introduce the new organization, to plan and discuss how to proceed and develop according to the new organization, SGF Rock has organized a well-attended seminar, with interesting presentations, but also allowing for mingle and networking. Example of two interesting lectures given during this period, linked to these infrastructure projects, are “Tectonic translations of the Stockholm area”, and “Energy wells- a growing problem for the development of underground infrastructure in urban areas. To highlight the importance of Engineering Geology to the society, SGF participates in the yearly event “The day of Geology” that take place at Swedish Museum of Natural History in September.

All these events are technical interesting but also an important event for networking and to allow for the exchange of experience between generations and to develop new ideas. SGF Rock is now looking forward, for new challenges, to develop the group to be a prominent part of the Swedish Society of Engineering Geology.

Daniel Morfeldt, Chairman Swedish Society of Engineering Geology  
Lars-Olof Dahlström, Chairman Section Rock  
Victoria Svahn, Chairman Swedish Geotechnical Society

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## Switzerland National Group

<b>SFIG</b>	<b>SCHWEIZERISCHE FACHGRUPPE FÜR INGENIEURGEOLOGIE</b>
<b>GSGI</b>	<b>GROUPEMENT SUISSE DE LA GEOLOGIE DE L'INGENIEUR</b>
<b>SGEG</b>	<b>SWISS GROUP OF ENGINEERING GEOLOGISTS</b>

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## Annual report 2017

### *Development of our group*

The number of members 2017:

members	2017	entrances	exits	dead
SGEG	255	9	3	0
thereof IAEG	73	2	3	0

2017 the board was made up with the following persons:

Dr. Ruedi Krähenbühl president  
Dr. Roland Wyss, vice-president  
Dr. Thomas Eisenlohr, actuary  
Mrs. Céline Pittet, cashier/treasurer  
Dr. Roger Heinz, editor Swiss Bulletin  
Dr. Florian Amann, board member appropriate for international relations  
Dr. Daniel Bollinger, observer  
Dr. Beat Rick, observer  
Dr. Bernard Loup, observer  
Dr. Tim Vietor, observer  
Dr. Diego Pozzorini, observer

The board had in 2017 four meetings with the main subjects.

- Handling the usual dealings;
- Workshop of the board in Lugano to the subjects: Job profiles of the engineering geologist, recommendation for designation of soft ground in the field, discussion of subjects for the Bodensee meeting 2018 in Schaffhausen;
- Organization of the general assembly in Olten and a conference with the topic: "Engineering geological review to the construction of the base tunnels through the Swiss Alps";
- Common board meeting with CHGeol and hydrogeologists.

R. Krähenbühl/ 20.07.2018

## Turkey National Group

### 1. Organization of the Biannual "National Symposium on Engineering Geology and Geotechnics – MUHJEO'2017"

The Second of the biennial "National Symposium on Engineering Geology and Geotechnics" was held in collaboration with the Çukurova and Mersin Universities in Adana between 12-14 October 2017. The website of the symposium is accessible at [www.muhjeoder.org.tr](http://www.muhjeoder.org.tr)

About 250 participants from 18 universities, 8 governmental companies, and 15 private sector companies with 44 orals and a keynote lecture given by Prof. Dr. Mahir Vardar (ITU) have contributed to the symposium.

A technical trip to a landslide area on cut slopes of Mersin-Tarsus Highway, Kanlıdivane antique city, Cennet (heaven) sinkhole, Cehennem (hell) sinkhole and Astım (asthma) karstic cave areas has followed the two days of scientific sessions. The papers were published and distributed as the proceedings of the symposium.



Participants of the symposium in a group photo

## **2.Erguvanl  Engineering Geology Awards**

The Erguvanl  Engineering Geology Awards are given to honor the memory of Prof. Dr. Kemal Erguvanl , who is the founder of engineering geology in Turkey, and to promote outstanding young researchers in the field of engineering geology.

The Erguvanl  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. The awards of best works nominated in all categories except PhD Thesis, evaluated by an independent jury are delivered in a ceremony in 12th October 2017, at the Opening Session of the National Symposium on Engineering Geology and Geotechnics held between September, 12-14, October 2017 in Adana.

## **3.Erguvanl  Engineering Geology Seminar**

Erguvanl  Seminar was given by Assoc. Prof. Dr. Yılmaz Mahmutog lu on the subject of "Prediction of Sugaring Problem on Course-grained Marble Under Thermal Fluctuations" in Istanbul Technical University, on 17th November 2018.



Picture from Erguvanl  Seminar given by Assoc. Prof. Dr. Yılmaz Mahmutog lu



#### **4. Attending IAEG Council Meeting in Katmandu on 26 November 2017**

Executive member of Turkish National Group, Prof. Dr. Atiye Tuğrul, and former president Prof. Dr. Reşat Ulusay attended the Council Meeting of IAEG held in Katmandu, Nepal on 26 November 2017.



View from Council meeting of IAEG in Katmandu with Turkish delegates.

#### **5. Prof. Reşat Ulusay received “2016 Hans Cloos Medal Award” and gave “2016 Hans Cloos Lecture” in Nepal on 28 November 2017 in the 2017 IAEG 11th Asian Regional Conference (ARC11)**

Prof. Reşat Ulusay, who was nominated by the Turkish National Group of Engineering Geology, was selected as the winner of the IAEG’s (International Association of Engineering Geology and the Environment) “2016 Hans Cloos Medal Award” among the three candidates, for his excellent contribution to the development of engineering geology. The 2016 Hans Cloos Medal was presented to Prof. Ulusay by Prof. Scott Burns, the President of IAEG, after the opening session of the IAEG 11th Asian Regional Conference (ARC11) on 28 November 2017 in Kathmandu, Nepal. Following the award ceremony, Prof. Ulusay gave the 2106 Hans Cloos Lecture entitled “Geo-engineering aspects on the structural stability and protection of historical man-made rock structures: An overview of Cappadocia Region (Turkey) in the UNESCO’s World Heritage List”. The full paper of the 2016 Hans Cloos Lecture was published in the Bulletin of Engineering Geology and the Environment in 2018.



Prof. Dr. Reşat Ulusay received 2016 Hans Cloos Medal Award

## 6.Executive Committee Meetings

Executive committee had meetings in Istanbul Technical University on 18 September 2017, 17 November, 2017 and 31 January 2018, 6 April 2018 and 11 June 2018.



View from Executive Committee meeting on January 31 and June 11, 2018

## 7.Publication of the Yer Mühendisliği (Geo-Engineering) Bulletin

The bulletin entitled “Yer Mühendisliği” (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 of 2000 of the issues no. 9 (May-August 2017) and no. 10 (September-December 2017) 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.



Turkish and English versions of the ENGGE0'2019 Symposium Announcement

## Publications

A total of 13 original papers by Turkish researchers appeared in different volumes of the Bulletin of Engineering Geology and the Environment published in 2017 and 2018.

## Web Site

The web site of the Turkish Society for Engineering Geology ([www.muhyeoder.org.tr](http://www.muhyeoder.org.tr)) is active since 2013. It is 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. There is an access to the Facebook page of the society in the web site.

## UK National Group

### United Kingdom/Royaume-Uni

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### Preamble

The Engineering Group of the Geological Society of London (EGGS) is the UK National Group of the IAEG (IAEGUK). There are 274 members of IAEGUK, who have paid an additional IAEG membership fee over and above the fees for the Geological Society of London in 2017-2018. All IAEGUK members take the Bulletin.

Membership numbers are slightly down (by 7 members) from those that were reported at the last council meeting in Kathmandu (2016-2017 – 281 members).

The EGGS/IAEGUK members make up ~10% of the Geological Society fellows who have expressed an interest in engineering geology. It should be noted that many of the EGGS members are not engineering geologists and simply have an interest in the subject.

### Introduction

The aims of the EGGS/IAEGUK, as reaffirmed at 2017-2018 EGGS/IAEGUK AGM, are:

- To support an engineering geology community in the UK.
- To raise the profile of engineering geology.
- To make the Group the focus for information, advice and initiatives in engineering geology.

The EGGS/IAEGUK is a very active group within the IAEG, with UK engineering geologists heavily involved in two of the IAEG's Commissions and the Bulletin's senior editor (Martin Culshaw) being from the UK National Group.

### The EGGS Committee

The core members of the committee are:

**David Giles** – Chair  
**Tracey Radford** – Vice Chair  
**Emma Singleton** – Secretary  
**Francesca Sykes** – Treasurer  
**Helen Reeves** – IAEG UK National Representative

### Links with Other Organisations

The EGGS/IAEGUK has a well-established link with the British Geotechnical Association (BGA) and is represented on the editorial board of Ground Engineering. The Group is also represented on the Ground Forum (GF) and contacts are maintained with a number of other organisations including the Institute of Materials, Minerals and Mining (IoM<sup>3</sup>), the British Tunnelling Association (BTA) and the UK Chapter of the International Geosynthetics Society (IGS). The EGGS/IAEGUK are also an active group in the Geological Society of London and have a Regional Group representative and an environmental geology representative on the



Environmental Network. Through its membership of the Science Committee the EGGS/IAEGUK ensures that engineering related talks are included in the Geological Society of London's Lecture series.

#### **Prestigious annual event The Glossop Lecture & Award**

In 2017 the Glossop Lecture took place at the Royal Institution on the 8th of November. An audience of over 150 people heard the 17th Glossop medallist, Dr Jackie Skipper, give the Glossop Lecture on '*Variability and ground hazards: how does the ground get to be 'unexpected'?*.' It was especially pleasing that the event was honoured by the presence of Rudolf Glossop's family, Ms Emma Slack, who presented the Glossop medal to Dr Skipper.

The 20<sup>th</sup> Glossop Award (awarded to fellows of the Geological Society under 30) was awarded this year to Gemma Sherwood, who gave an excellent presentation "*Construction of Hinkley Point C Nuclear Power Station*".

The 2017 Engineering Group Award, awarded to fellows of the Geological Society in their early to mid-career that have made a significant contribution to research, publication or practice in the field of Engineering Geology, was awarded to Chris Martin (BP). This was in recognition of his efforts as both Chair and contributor to the Engineering Group Working Party on the Engineering Geology and Geomorphology of Glaciated and Periglaciated Terrains

#### **Meetings**

In addition to the Glossop meeting, EGGS/IAEGUK reinstated the annual conference. This 2-day conference happened in April 2018 (12-14th) and was hosted at Christ's College, Cambridge. The theme of the meeting was "Keeping lessons alive". The event commenced with an icebreaker on Thursday evening, a full-day of presentations on Friday and Saturday morning, followed by a short field visit on Saturday afternoon. A conference dinner was held on the Friday night in Christ's College Hall. A total of 85 delegates attended the conference. It is planned to repeat the event in 2019.

EGGS/IAEGUK also ran a number of half-day, one/two day and evening meetings. EGGS/IAEGUK also webcast a number of the evening events this year. A summary of the events is given below:

2017

- September - **Tunnelling Ground Risk - A Perspective**
- October - **A brief history of construction monitoring In England**
- October - **Ground Related Risk to Transport Infrastructure** – a joint 2-day Conference with the Geological Society
- November – **Glossop meeting** (see above)
- December – • **New UK Geotextile Standards**

2018

- January - **Geo-environmental Solutions in surface mine**
- February - **Pipeline Geotechnical Engineering and Geohazards in the onshore and offshore environment** – A joint meeting with the British Geotechnical Association.
- March - **Bridging a Plate Tectonic Boundary**
- April - **Annual Engineering Group's Conference & 1<sup>st</sup> Annual Early Careers PM**
- May - • **Tapping the Industrial legacies of Carboniferous coal geology In South Wales – Is there heat energy potential In mine water?**
- July – **Glacial Deposits: Depositional and Deformational Processes & Engineering Characteristics.**



Attendance at a number of the above listed technical meetings was again lower than expected. To address this, EGGS/IAEGUK have launched a series of initiatives including the development of our outreach and publicity through social media and the introduction of a post-meeting networking event with suitable refreshments. We now have a presence on LinkedIn, Facebook and Twitter as well as our usual email distribution list via the Jiscmail service. We routinely stream our meetings, but are questioning whether this the right thing to do or not? EGGS/IAEGUK want to facilitate learning but also develop relationships so physical attendance at meetings is strongly encouraged, hence the introduction of the networking opportunity. All of our meetings are now recorded and made available on our dedicated YouTube channel.

### **Working Parties**

The Working Party on 'Geohazards', under the chairmanship of David Giles, is reaching its conclusion. All of the chapters have now been completed and are going through the final iterations of editing and should be finalised by the end of 2018. A publication date is planned for 2019.

The working party on 'Periglacial and Glacial Engineering Geology', has now been published (Engineering Group Special Publication 28).

EGGS/IAEGUK three new working parties now established on: -

- Groundwater in Engineering Geology;  
Terms of Reference and Chapters agreed, and meetings of the Working Party held and chaired by Ian Duncan.
- Engineering Geology and ground models of Artificial Ground: made, worked, disturbed, landscaped and infilled ground? Terms of Reference and Chapters agreed. Working Party still awaits an inaugural meeting.
- Offshore engineering geology, geomorphology and geohazards at Steering Group Stage, chaired by Chris Martin

### **Publications**

The Quarterly Journal of Engineering Geology and Hydrogeology (QJEGH) continues to be an internationally recognised and respected publication. Eddie Bromhead is successfully moving QJEGH as editor in Chief with the editorial board.

### **Training, CPD & Accreditation**

As reported previously, it is the EGGS/IAEGUK view that there are a number of organisations offering training and the EGGS/IAEGUK does not organise training other than its meetings. We assist the Society in accrediting courses for CPD, accrediting relevant MSc courses and maintain a Training Guide for Engineering Geologists that has just been updated (<http://www.geolsoc.org.uk/Groups-and-Networks/Specialist-Groups/Engineering-Group/CPD-and-Training#Training>).

The UK Register of Ground Engineering Professionals (RoGEP) is a Ground Forum initiative, which has been sponsored by the Geological Society of London, the Institute of Civil Engineers (ICE) and The Institute of Materials, Minerals and Mining (IOM<sup>3</sup>). The Register now has over 400 people registered, mostly at advisor level. The Engineering Group represents the Society on the Register Panel and Ian Duncan is our panel member. For more information see the website <http://www.ukrogep.org.uk>.

The EGGS/IAEGUK continues to be concerned about the retention of vocational MSc courses and is working with Ground Forum (GF) to raise this at national government level. The Ground Forum is continuing to lobby for increased support for these courses.

## USA National Group



### Introduction

**2018 Annual Report**  
**United States of America National Group**  
**Eldon Gath – USA National Group Leader**  
**gath@me.com**



The USA National Group is the Association of Environmental and Engineering Geologists (AEG - <http://www.aegweb.org>) but we also collaborate with the Environmental and Engineering Geology Division of the Geological Society of America (EGD/GSA - <http://community.geosociety.org/eegdivision/home>). AEG's membership is approximately 3,300 members, 25% being students. EGD/GSA also has approximately 3,000 members as well, over 50% as student members. A substantial number of EGD/GSA members also are members of AEG.

AEG has the management role for maintaining IAEG in the United States. Eldon Gath was approved as the USA National Group representative to IAEG at the 2014 IAEG Congress in Torino; his term will conclude at the 2018 IAEG Congress in San Francisco where AEG will determine a replacement. He participated as both USA Group Leader and VP North America designate at the 2017 Kathmandu Nepal meeting. Jeff Keaton was approved as IAEG Vice President for North America at the 2014 Congress in Torino, after serving as USA National Group representative to IAEG since the 2010 IAEG Congress in Auckland. Scott Burns was elected as IAEG President at the 2014 Congress, indicating that the USA is well represented.

The prior difficulties with AEG's management of the IAEG membership data and fees made significant progress late in 2015, resulting in a substantial boost in IAEG membership in the US, however, it has not been sustained. From a low of 35 members in 2013, the US membership peaked in 2016, but has declined by 85 members in 2017. This has continued to decline in 2018, but hopefully membership numbers will improve with the 2018 joint meeting in San Francisco.

Unfortunately, AEG's contracted management group closed their business suddenly on January 1, 2018 and AEG had to do a search for a new management group. This has resulted in the selection of AMR Management Services, based in Lexington, Kentucky.

**Kristy Howard | Association Manager**  
**Association of Environmental & Engineering Geologists**  
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As part of the transition, the IAEG membership issues again became confused, and it was only after a meeting in May that the IAEG member categories and dues were discussed with AMR staff and solutions were proposed. The new AEG Manager sent the U.S. National Group's data to the IAEG Secretariate and Treasurer, and the dues have been provided to the Treasurer. I have requested any updates to the data, but it will not get to me until after August 1. I will update this report when I receive the membership information.

United States National Group Membership						4/23/18
Year	2013	2014	2015	2016	2017	2018
News	18	34	153	230	143	131
Bulletin	17	26	69	46	48	52
Total	35	60	222	276	191	183

Back In 2015, over 20 US National Group members appeared to be citizens of other countries, all of which also had their own national groups. This issue was partially resolved in 2016 by restricting IAEG enrollment via the AEG web site's renewal forms to only US members. Somehow one New Zealand and one Canadian member were still able to slip through this year, but it is still an excellent improvement.

**AEG's 2017/2018 officers:**

- Gregory Hempen – President
- David Fenster – V.P - President-Elect
- Cynthia Palomares – Treasurer
- Bill Godwin – Secretary

**GSA-EGD's 2017/2018 officers:**

- Chair - Jessica Witt
- Stephen Slaughter – Vice Chair
- Anne Witt - Secretary
- Robert Mitchell – Member-at-Large

**AEG's 2018 primary awards:**

Honorary Members: Dr. Kerry Sieh (USA and Singapore) and Dr. Frank Netterberg (South Africa)

Schuster Medal: TBD

Karl and Ruth Terzaghi Outstanding Mentor: TBD

Richard H. Jahns Distinguished Lecturer – Deborah Green

**Activities**

The GSA 2017 annual meeting was in Seattle, Washington and GSA's 2018 annual meeting will be in Indianapolis, Indiana (Nov. 4-7).

AEG's 2017 annual meeting was held in Colorado Springs, Colorado, with over 500 attendees. AEG's 2018 annual meeting will be held in San Francisco, California, Sept. 16-22, as a joint meeting with IAEG. There is considerable concern over the meeting's financial success due to the high cost of the meeting, hotel, and venue, and the current US visa and political difficulties.

AEG continues to work with Midwest Geoscience for delivery of webinars for continuing education and professional development on a number of technical and professional topics. The webinars are available to anyone, but AEG members are entitled to a discounted fee. In 2016 it was proposed that the AEG/GSA-EGD Jahns Lectures be hosted and archived on this platform, but despite some 2017 and 2018 communications, this has not yet been achieved.

AEG student chapters and "Technical Working Groups" remain active. Key faculty members are essential to the formation of these student chapters; no-cost student memberships also appear to be a significant encouragement. Unfortunately, the percentage who transition from student to full member is very low. In 2016, AEG transitioned to a more streamlined management structure by consolidating its 23 U.S. and 2 International Sections into 10 National and 1 International Regions, each represented by a Regional Director on the AEG Board. This structure has resulted in significant improvements to the leadership of the AEG.

The AEG Foundation [<http://www.aegfoundation.org>] administers ten student scholarship funds and seven grant programs for professionals. For the 2017 fiscal year, the Foundation awarded about \$40,000. Several new scholarship funds have recently been added and the number of awards granted for the prior funds, and the money for those awards, are also planned to increase in the near future.

AEG conducts two activities with the EGD/GSA: the Richard H. Jahns Distinguished Lecture in Engineering Geology and co-publication of the *Environmental and Engineering Geoscience Journal*. Deborah Green will be the 2018 Jahns Lecturer. The joint AEG/GSA journal *Environmental and Engineering Geoscience* is a quarterly publication of peer-reviewed articles and book reviews. Submissions are encouraged.



# /7. REPORTS FROM COMMISSIONS

## Commission No. 1

IAEG Commission No. 1  
**Engineering Geological Characterization and Visualization**  
Report for 2017-2018

Jeffrey R. Keaton, Acting Co-Chair  
Wood, Los Angeles, USA  
([jeff.keaton@woodplc.com](mailto:jeff.keaton@woodplc.com))

Helen J. Reeves, Acting Co-Chair  
British Geological Survey, Keyworth, UK  
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IAEG Commission No. 1 continued to languish during the past year. Two initiatives were proposed at the IAEG Council Meeting in 2007: a) a digital initiative and b) an actuarial initiative. Holger Kessler, then Secretary, was leading the digital initiative, whereas Keaton was leading the actuarial initiative. Commission No 1 was able to be listed as co-sponsor for several theme sessions and symposia in the United States but many other opportunities were missed. Sadly, efforts to announce times and places for Commission No. 1 meetings at conferences where IAEG Council was meeting have been unsuccessful. However, plans set in motion in 2017 for IAEG commissions to be featured in San Francisco at the 2018 IAEG Congress appear to be having success. IAEG C1 will meet in San Francisco on Tuesday evening, September 18, 2018; details of the C1 meeting location and time have been published online in the Congress schedule:

IAEG Commission 1 Meeting: "Engineering Geological Characterization and Visualization"  
Location: Hyatt Regency - Boardroom A      Date & Time: Sept 18, 2018; 16:40pm-17:40pm

Most IAEG Commissions are suffering from a lack of priority at conferences where IAEG Council meets, including the IAEG Congress. The leadership of IAEG is encouraged to promote Commission meetings and activities in planning and advertising IAEG-sponsored conferences. The work of C1 is, or should be, a vital part of IAEG operations in the modern global affairs. Improved delivery of technical information produced by IAEG Commissions is needed. Hopefully, the 2018 IAEG Congress in San Francisco can reestablish a healthy trend.

Commission C1 recommends that it be allowed to remain in a semi-active condition with the intent of holding a well-publicized Commission meeting at the 2018 IAEG Congress and with an expectation that the degree of activity will increase during 2019. Additional efforts by IAEG leadership are needed to develop and improve recognition of the importance of C1 and other IAEG Commissions in regional conferences co-sponsored by IAEG.



## Commission No. 4

**International Association for Engineering Geology and the Environment**

### **IAEG C4 – EDUCATION AND TRAINING**

#### **REPORT TO COUNCIL – SAN FRANCISCO 2018**



#### **MISSION STATEMENT**

To undertake research and activities focused on education and training in engineering geology

#### **PROGRESS**

I recommended to the Executive at Kathmandu in 2017 that this Commission should be terminated or a replacement Chair be nominated because I have been unable to progress the work of this Commission.

A replacement chair has not been found but I have endeavoured to keep C4 stumbling along and there will be a session at San Francisco that Keith Turner has largely organised to discuss the work of C4 and to try and find a way forward.

I suggest that if education and training is considered to be important to IAEG then someone from the new Executive should attend the C4 session.

**Chairman:** Fred Baynes.

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## Commission 10

### SEMINARS AND CONFERENCES

Two main events were planned in 2017 (for 2018).

#### 1. Global Stone Congress (GSC2018) in Brazil 2018

Dr. Maria Heloisa Barros de Oliveira Frascá has been especially active and GSC2018 is the main stone congress in 2018. [www.globalstonecongress2018.com.br](http://www.globalstonecongress2018.com.br). The abstracts can be downloaded from: <http://www.globalstonecongress2018.com.br/ing/anais/>

#### 2. A seminar in Salamanca focusing on stone and heritage stones in October 2018

It is worth mentioning that 2018 is the year of Cultural heritage in Europe. The workshop/seminar is linked here: <http://media.globalheritagestone.com/2018/08/I-Workshop-on-Heritage-Stones.-Final-Program.pdf>

All abstracts have been uploaded in this online publication:

[https://issuu.com/mariadolorespereiragomez/docs/compilacion\\_abstract\\_reducido](https://issuu.com/mariadolorespereiragomez/docs/compilacion_abstract_reducido)

The members have also organized a yearly seminar/session at the annual EGU congress in Vienna.

The “Global heritage stones” website ([www.globalheritagestone.com](http://www.globalheritagestone.com)) is quite active, providing information for both C-10 and IUGS/Geoheritage stones sub-commission. There are now several stone types that have been “awarded” the designation as Global Heritage Stone Resource. This is an ongoing work.

<http://globalheritagestone.com/other-projects/ghsr/designations/>.

#### Future conferences

The planning of the 36th IGC congress in New Dehli has come far and a session on Rocks through civilizations: Global Heritage Stone Resource, under the theme “Geoscience for Society” has been submitted by our Indian correspondents.

### TRENDS

Some general trends observed concern environmental impact and safeguarding of trade names and the denomination of origin of stone types. Similar to D.O.C that exists for wine, olive oil and other varieties of food. France has already issued certificates. See also Brazil below. The question is also on the table of EUROOC, the European federation of stone industries.

The trends towards using more environmentally friendly building materials is very positive for the natural stone industry but requirements in e.g. public purchase is still scarce. We foresee an increase in the coming years. Some Municipalities in Sweden have already adopted Life Cycle Analysis (LCA) as a requirement in public purchase.

BIM (Building Information Management) is also becoming more and more common and requires full traceability of the products and the production from quarry to production site. This is quite new for the stone industry and something that will need a lot of work to implement.

Digitalisation is also entering the stone industry more and more. The stone industry is generally quite conservative so this is a very big step for most companies.

Finally, we may see a trend to use marble on building façades once again. Many prominent buildings around the world were built with marble as façade material. Commonly the marble has been chosen based purely on aesthetical aspects which has led to some (not many but very visible) major failures due to poor durability. Several of these buildings have used granites and ceramics when being renovated. Now there are more building owners considering to use marble again. There is good evidence that most marble works very well and there is also a fairly new European standard providing good help to evaluate the performance of a marble type and its suitability for outdoor use.

### **INVOLVEMENT IN STANDARDIZATION**

At a European level, members of the C10 are working to update product standards and standards on testing relative to stone products according to the new Construction Product Regulation (CPR). Standards within CEN TC 246, 178 and 128 are under revision. Many test methods have been developed to evaluate material properties and not product properties. The CPR requires the properties of the products, not the material, to be declared with CE-marking. A challenge to many stone companies.

News is the discussion about restarting the ISO committee on stone standards. Stone products are traded globally so there are many benefits with global standards.



Participants of the Global Stone Congress at the Blue Bahia Stone quarry, Brazil

### **Commission 17**

Objectives of the Commission:

- 1.To increase the co-operation with other scientific fields, and of its role within the Association.
- 2.To enhance the role of Engineering Geology and its applications within the aggregate and construction industries.
- 3.To provide a source of continuous and uniform information of aggregates and environmental issues.
- 4.To foster the sharing of knowledge on research results and methodologies.
- 5.To facilitate cross-institutional and cross-disciplinary networks among researchers and practitioners around the world.
- 6.To increase opportunities for collaborative research

In order to fulfill these objectives we plan to undertake the following activities:

- 1.To publish the technical report titled “ Geological Material Aspects for Construction Industry”
- 2.To increase the use of the commission’s homepage that is readily available for up-to-date information.
- 3.To provide information of aggregates in the IAEG Bulletin.
- 4.To collect, correlate and publish data on the performance of various rocks with respect to their properties and end-use applications.
- 5.To produce harmonised international guidelines for investigation of potential deposits.
- 6.To assist the European standardization body (CEN) with supporting activities and information for further development and improvement of standards.
- 7.To create international co-operation and new international projects.

**Earlier meetings and workshops:**

•The Commission has had information meetings at all official IAEG meetings, i.e. in Kathmandu, Nepal, September 1999, at the 31st IGC meeting in Rio de Janeiro, Brazil, August 2000, at GeoEng2000 in Melbourne, Australia, November 2000, at Aggregate 2001 in Helsinki, Finland, August 2001, in Durban, South Africa, September 2002, in Istanbul, Turkey, September 2003, in Florence, Italy, August 2004, in Lyon, France, May 2005, in Nottingham, UK, September 2006, in Oslo, Norway, August 2008 and in Auckland, New Zealand, September 2010, in Brisbane, Australia, August 2012, in Beijing China, August 2013, in Torino, Italy 2014, in Cape Town, August 2016.

**Date and venue of last meeting:**

Last meeting was held on 30 August 2016 during 35th International Geological Congress, Cape Town, South Africa.

**Next meeting:**

The next meeting will take place in San Francisco, California, USA, during XIII IAEG Congress, Engineering Geology for a Sustainable World, 17 September 2018.

**Activities:**

- An essential task of the commission is to continuously establish new contacts in various countries, for example by sending information about aggregate occasions to potentially interested persons. Currently, the Commission has contact persons from 21 countries.
- There is a good relationships between UEPG (European Aggregates Association).
- Concrete İzmir 2018 Ready Mix Concrete, Cement, Aggregate, Construction Technologies and Equipments Fair was organized in İzmir, Turkey. There was a special session on Aggregates.
- EGU session on “Geomaterials in construction: resources, properties, performance, environmental interactions, and decay” was organised, in Vienna, Austria, 8-13 April 2018.
- A special Session on Aggregates was organised during 71st Geological Congress on 23-27 April 2018 that was organized by Turkish Chamber of Geological Engineers.
- President and Secretary of the Commission attended to the 11th Asian regional Conference, in Kathmandu, Nepal. Commission’s Activities was presented by the President of the Commission during



Council Meeting of IAEG.

- An Aggregate Quarry visited in the vicinity of Kathmandu, Nepal on 29 November 2017 (Photos 1 - 4).
- A special Symposium on Aggregates and a quarry visit are organised during IAEG/AEG 2018 Congress in San Francisco, USA.

**Web site:**

The Commission has a web site: [www.iaeg.info](http://www.iaeg.info)

The website of the commission is open to service. The web site has following contents:

- Updated list of members of the Commission
- All reports to the IAEG from information meetings
- Latest news
- Information of international aggregate standards
- Aggregate glossary
- References related to aggregates
- Related aggregate links

Prof. Dr. Atiye Tuğrul, President

Istanbul, 2018-08-07



Photo 1: Aggregate quarry visited by the Commission's members



Photo 2: Aggregate crushing and screening plant



Photo 3: Mica schist aggregates



Photo 4: Attendants of Quarry visit in Nepal

## Commission No. 24

### 1. Main activities of the Chair person

(1) On May 11-16, the 5th International Symposium on Mega Earthquake Induced Geo-disasters and Long Term Effects was held in Chengdu, Sichuan, China. Prof. Yueping Yin and other C24 members attended this symposium. An invited report titled the June 2017 Maoxian Landslide: geological disaster in an earthquake area after the Wenchuan Ms 8.0 Earthquake was represented by Prof. Yueping Yin, the chair of C24.

(2) On December 5, 2017, the Three-Year Action Plan for Geohazard Monitoring and Early Warning (2018-2020) was put forward by Ministry of Natural Resources, China. Prof. Yueping Yin and the members participated to draft this plan. It is planned that, the monitoring and early warning network for sudden geohazards will be established after three years, which will improve the whole technical level of monitoring and early warning of geohazard, and reduce the amount for geohazard causing casualties.

(3) On June 10, 2018, with the support of Prof. Yueping Yin, the first Red Early Warning of Geohazard in the Flood Period was released by the Ministry of Natural Resources of the People's Republic of China. The red areas are mainly located at the longmenshan region where disturbed by 5.12 Wenchuan Ms8.0 earthquake.

### 2. The geohazard science lectures and safety education activities

(1) On June 28, 2018, the C24 core members went to the primary school in Maoxian County, Sichuan province, and carried out a geohazard prevention and mitigation science lecture. The early identification method and safety education activities about geohazard were introduced.

(2) On July 3, 2018, the C24 core members went to the middle school in Gangu County, Gansu province, and presented a geohazard prevention and mitigation science lecture. The concepts and characteristics of the local landslide, debris flow and earthquake were introduced to school students, and early identification method and safety education activities were explained.

(3) On April 21, 2018, the C24 core members attended the UNESCO Chair 2018 Workshop on Geo-disaster Reduction held in Yichang, Hubei Province, China. At the meeting, the C24 attached unit, Institute of Geomechanics, Chinese Academy of Geological Sciences, China was formally approved as a partnership of UNESCO Chair on Geoenvironmental Disaster Reduction.

### 3. Academic activities

(1) On March 9, 2018, a Seminar on InSAR geo-disaster Survey Monitoring was held by C24 core members in Beijing, with more than 150 participants.

(2) On March 30, 2018, the 11th High-level Forum of Engineering Geology was held in Beijing, including three parts of the special report, the latest theory and high and new technology and engineering practice and training. Prof. Yueping Yin, Prof. Yongshuang Zhang and other C24 core members attended this forum.

(3) On May 24, a Symposium on Neotectonic Movement and Geohazard was held in Beijing by the C24 core members. Main achievements about supporting the major national engineering constructions in the recent 5 years were summarized and reviewed.

(4) On September 17-21, 2018, XIII IAEG Congress / AEG Annual Meeting will be held in San Francisco, California, USA □ The C24 will arrange core members to attend this congress.

(5) On Oct. 12-16, the 2018 National Engineering Geology Academic Convention will be held in Xi'an, China. The C24 will arrange related scientists and graduated students to attend this conference.

### Commission No. 25

A formal meeting of C25 has not been held since Delhi. However, informal meetings with some C25 members were held in Australia in March 2018.

A full day session has been arranged for the IAEG congress in San Francisco on September 21 2018 on engineering geological models (Technical Session #52 - Getting the Geology Right – the Practical Application of Engineering Geology Models).

This comprises twelve paper including a number from C25 members. The session will be co-chaired by C25 Members Darren Paul and Jeff Keaton.

Presentations have been made on the use of engineering geological models have been made by C25 members in the UK (Steve Parry) and New Zealand (Fred Baynes).

### Commission No. 29

Progress in the past year 2018-2019:

(1) For physical reasons, Professor Hu Ruilin proposed to no longer serve as chairman of Commission No.29. Dr. Shengwen Qi was appointed as the chairperson of Commission No. 29 from December 1st, 2017.

(2) There are 16 new members joined in Commission No.29, the number of members increased to 47 from 31.

(3) One workshop of Commission No.29 is in schedule to be held in Beijing in October, 2018.

### Commission No. 34

#### ACTIVITIES

#### **(1) Host the Advanced Short Course on Site Evaluation and Foundation Design of offshore wind farm development**

The short-term course “Site Assessment and Foundation Design for Offshore Wind Farm Development” was held at Ocean University of China, from 2nd to 3rd, December, 2017. It was hosted by the Marine Engineering Geology Commission of the International Association Engineering Geology, the Environment (IAEG-C34), the Ocean Geological Commission of the Geological Society of China Geological Society, and the Shandong Province Key Laboratory of Marine Environmental Geology Engineering. Over 40 participants from more than ten units participated. The course consists of six units of consultation geological data integration and interpretation, the design of large-diameter single-

pile, the installation and design of suction cylinder foundation and seismic liquefaction analysis of wind turbine foundation etc.

After the class, Prof. Jia Yonggang signed a cooperation agreement with Williams, the general manager of the Asia-Pacific Ocean Geotechnical Consulting Section of NGI, to determine the comprehensive cooperation between the two sides in the field of marine engineering geology and geotechnical engineering. Manager Williams said that he was very pleased to introduce the experience of exploration and design of offshore wind power to Chinese counterparts, and hoped to cooperate with Ocean University of China and other units to jointly promote the development and utilization of offshore wind power.

## **(2) Host the Third Seminar on Developing Strategy of Marine Engineering Geology**

The Third Seminar on Developing Strategy of Marine Engineering Geology was held from 14th to 15th, April, 2017 in Qingdao. Prof. Jia Yonggang gave a report of annual work. Prof. Wang Dong, Associate Professor Xin Jia and Prof. Guo Xiujun respectively reported the major progress and academic achievements of the laboratory in three major aspects: prediction and prevention of marine geological disaster, restoration of marine geological environmental pollution and seabed engineering environmental observation. Committee members gave professional guidance and suggestions, which pointed out the direction for the next step of the laboratory development.

Representatives from more than 15 famous universities and institutes attended the semina. The attendees shared their favorable opinions on the following issues: complex deep-sea engineering geology, involving marine resource development, prediction of marine disaster, construction of marine engineering and protection of marine ecological environmental, focusing on mining marine gas hydrate, coastal geological hazards and protection, in-situ remediation of contaminated site, and construction of offshore engineering, research of seabed topography and geomorphology, offshore wind turbine infrastructure, construction of subsea tunnel, self-elevating offshore platforms and so on. The conference was held successfully to provide conditions for academic exchanges and to enhance cross-disciplinary awareness and integration.



Attendees Photo of member of the Academic Committee and academic backbone Shandong Provincial Key Laboratory of Marine Environment and Geological Engineering



### **(3)Organize the NSFC Open Research Cruise for Geological Survey of the North Slope of South China Sea**

From May 21 to June 8, IAEG-C34 successfully organized the survey of the northern South China Sea. The survey was conducted by the Xiamen University "TAN KAH KEE" scientific expedition ship, with the Professor Wei Zhao of Ocean University of China being chief scientist.

25 expedition staff participated in share voyage of expedition of the northern of South China Sea, who come from different domestic research units. The project includes 4 research topics, which source from the Ocean University of China, Xiamen University, Fudan University, South China Sea Institute of Oceanology, Chinese Academy of Sciences.

The scientific research focus on "the survey of marine nepheloid layer by internal solitary wave in northern South China Sea", "deep seabed surface sediment strength penetration in situ rapid measurement research", "in situ long-term observation equipment development of complex deep-sea engineering geological", and "the causes of mud volcanic group in Dongsha Islands southwest slope area". In the distribution area of mud volcanoes of the Dongsha Sea area and the estuary area of Shenhua, investigation of 5 major stations was completed, and the shallow stratigraphic section and multi - beam flight test were carried out in the Dongsha and Shenhua Sea. A total of 13 station CTD profiles were measured and seawater at different depths was sampled. Besides, 6 sets of sediment samples and 4 sets of sediment gravitational samples were carried out. The seawater temperature salinity profile, the seawater samples, seabed sediment samples, rock and sediment debris, submarine surface sediments penetration resistance, cross plate shear strength and other large amounts of basic data were obtained in the northern sea. We found preliminarily that the marine nepheloid layer was influenced by internal solitary wave and erosion ditch in the seabed. Some anomalies of shear strength relating with hydrate in sediment samples had been found in Shenhua Sea.

### **Commission No. 35**

In 2018, the Commission C35 finished to collect the contributions of the Technical Report related to the use of Remotely Piloted Aerial Systems (RPAS) for engineering geology applications. The first version of the report will be presented in San Francisco during the IAEG Congress.

The C35 Commission supported the organization of the Summer School for PhD students “Multi-risk assessment of alpine environment, the case study of northern Piedmont (NW Italy)”.

The Summer School, which was held in Val d'Ossola (Piedmont), was dedicated to the study of natural risks in alpine environment. This school was organized by the CNR IRPI, the Doctoral School of Earth and Environmental Sciences of the University of Pavia and the CTTC (Center Tecnològic Telecommunication Catalunya of Barcelona, Spain).

The course took place from the 10th until 13th July 2018. It included two days of lectures and two full-day field trips, which goal was to illustrate the main geomorphological processes of this area, related risks and possible systems for monitoring and risk mitigation.

Thanks to the hospitality of the Aree Protette dell’ Ossola the lectures took place in friendly and well-equipped geological laboratory "Gian Battista Castiglioni".

The main topics of the two field trips were a description of dynamics of high altitude zones by excursion



Group photo in front of Parco delle Terme di Crodò office. Belvedere glacier – Group photo with Locce Lake in the back.

to the Belvedere glacier (Macugnaga) and of large landslides by guided trip in order to discover a series of case studies along the path from Ponte Val Formazza to Sanctuary of the Madonna del Sasso (Orta Lake).

This Summer School attracted many PhD students, concluding in 22 participants from Italy, Switzerland, Greece and England.

PhD students had an opportunity to learn in detail various risks that may characterize this territory, such as avalanches or other phenomena of high mountains (rockslides, instabilities affecting glaciers and debris flows). In addition, they learnt about tools developed to study such phenomena and to reduce their impact on a society, such as dendrochronology, use of UAVs and satellite techniques.

The C35 Commission also supported the organization of the Cartographic School “Unmanned aerial vehicles in Earth and environmental sciences” that is organized by the University of Wrocław (Poland) and is focused on the use of UAV.

## Commission No. 36

1. Jointly work with Zhejiang University, the Chinese Institution of Soil Mechanics and Geotechnical Engineering, the Hongkong Geotechnical Society, the TC 215 Environmental Geotechnics, ISSMEG, the Commission on Waste Disposal of IAEG (C36) will organize the 8th International Congress on Environmental Geotechnics, which will be held in Hangzhou on 28th Oct - 1st Nov., 2018.
2. We are editing a Special Issue of Engineering Geology on “Engineering Geological problems related to unsaturated soils in waste disposal” to be published early next year (2019).
3. Organized a special session “Unsaturated Soils in Waste Disposal and CO<sub>2</sub> storage” in “China–Europe Conference on Geotechnical Engineering (Aug 13–16, 2018, Vienna, Austria)”. Thirteen papers were received all over the world.



Attachment: Flyer

China–Europe Conference on Geotechnical Engineering (Aug 13–16, 2018, Vienna, Austria)

Special Session is organized under the auspices of the Commission for Waste Disposal (C36) under the International Association for Engineering Geology and the Environment (IAEG)

### **Unsaturated Soils in Waste Disposal and CO<sub>2</sub> storage**

Session Co–Chairs:

Weimin Ye, Tongji University, China. Email: [ye\\_tju@tongji.edu.cn](mailto:ye_tju@tongji.edu.cn)

Yujun Cui, Laboratoire Navier, Ecole des Ponts ParisTech, France. Email: [cui@cermes.enpc.fr](mailto:cui@cermes.enpc.fr)

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Problems related to hazardous and non-hazardous waste management (nuclear waste disposal □ CO<sub>2</sub> sequestration and landfill of municipal solid waste (MSW)) are crucial interdisciplinary issues, including lots of engineering geological challenges, and therefore have become a serious of global environmental issues. In this regard, effective methodologies have been proposed for dealing with this kind of problems.

Deep geological repository has been considered to be the most appropriate solution to dispose high-level radioactive waste (HLW). During the construction and long-term operation of a geological repository, the engineered barrier system, initially unsaturated, is simultaneously subjected to heating, drying and wetting cycles, as well as chemical reactions, etc., i.e., a very complicated thermo-hydro-mechanical and chemical (THMC) coupling conditions. In the meantime, geological storage technology is generally accepted as a promising way for reducing emissions of CO<sub>2</sub> into the atmosphere. A critical matter for the geological storage is to prevent the possible leakage of captured and stored CO<sub>2</sub>. Similarly, the related scientific issues in nuclear waste repository could be encountered, in particular in terms of problems involving chemo-thermal-hydro-mechanical coupling conditions.

This special session aims to serve as a forum for active researchers to present their latest findings on the engineering geology or geotechnical engineering problems related to unsaturated soils in waste disposal and CO<sub>2</sub> storage, in attempting to promote the exchange of ideas, practices and state-of-the-art on a broad range of topics in the related areas. The special session welcomes any work related to (but not limited to) the following topics: impacts of cyclic wetting-drying processes on the behavior of engineered barrier, engineering behavior of unsaturated soils under THMC coupling conditions, evaluation of the long-term performance of deep geological repositories for HLW disposal, influences of CO<sub>2</sub> storage on the geological environment, gas migrations in geo-materials, etc.

Please contact: Qiong Wang, Tongji University, China. Email: [17523@tongji.edu.cn](mailto:17523@tongji.edu.cn).

Further information on submission deadline can be found on the conference website: China □ Europe Conference on Geotechnical Engineering, August 13–16, 2018, Vienna, Austria, website: <https://chinaeuro-geo.com/>.

## Commission No. 37

### Activities in the period 2017-2018:

#### Call for membership

The Chair of the Commission continued the task of gathering members for the commission appointed or suggested by the national groups as the working parties continue to assemble for the development and translation of the nomenclature.

The list of members up to date is appended to this document (Appendix A).

#### IAEG C37 third meeting:

The commission has scheduled its third meeting for September 17th, 2018, at the XIII IAEG Congress in San Francisco, CA.

#### Tasks continued:

Nomenclature: Rate of Movement

Chair: Prof. Hengxing Lan ([Lanhx@igsnrr.ac.cn](mailto:Lanhx@igsnrr.ac.cn))

Previously published and posted (IUGS Working Group on Landslides 1995).

Languages completed: English, Serbian, Romanian (**Appendix B**).

Nomenclature: Water Conditions

Chair: Dr. Ann Williams ([ann.williams@beca.com](mailto:ann.williams@beca.com))

Initial draft has been circulated and discussions are ongoing regarding some suggestions presented.

Current working draft in **Appendix C**.

Nomenclature: Types of Material

Chair: Prof. Kurosch Thuro ([thuro@tum.de](mailto:thuro@tum.de))

Under development. Current working draft in **Appendix D**.

Nomenclature: Landslide Risk

Chair: Prof. Jordi Corominas ([jordi.corominas@upc.edu](mailto:jordi.corominas@upc.edu))

Professor Corominas will make an oral presentation in session #21 of the XIII IAEG Congress in San Francisco on behalf of the Working Group.

Languages completed: English, Romanian. These are presented in Appendix E.

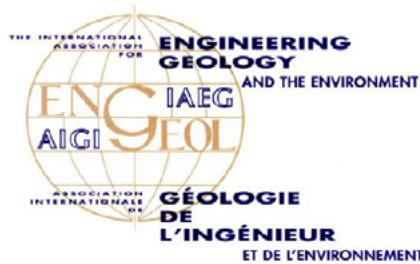
Nomenclature: Type of Landslide

Chair: Prof. Alexander Strom ([strom.alexandr@yandex.ru](mailto:strom.alexandr@yandex.ru))

Inclusion of special types of rock avalanche is under discussion and sub-committee is being set up.



## Commission No. 38



<b>President:</b>	Prof. Scott Burns
<b>Past President:</b>	Prof. Carlos Delgado
<b>Secretary General:</b>	Prof. Wu Faquan.
<b>Treasurer:</b>	Dr. Jean-Alain Fleurisson
<b>Vice Presidents</b>	
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Asia:	Dr. Yogendra Deva
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### Appointment Letter of the New Established Commission 38

The Council approved the proposal on establishing the new IAEG Commission No.38 “Rockmass Characterization with Emphasis in Rock Slope Hazards” at the Council Meeting which was held on September 16th, 2018, in San Francisco, USA during the 13<sup>th</sup> IAEG Congress. The appointment is decided as follow:

We are pleased to appoint Dr. Saroglou Haris as the chairperson of IAEG Commission No.38 Rockmass Characterization with Emphasis in Rock Slope Hazards from October 1st, 2018, and the Commission will focus on improving international communication and exchanging the ideas and information amongst engineering geologists in the field of rock mass characterization and rock slope hazards.

President (Signature):

October 1st, 2018

# /8. 12<sup>TH</sup> ASIAN REGIONAL CONFERENCE



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

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

Venue : Grand Ballroom, Booyong Hotel, Jeju Island, S.Korea

Host : The Korean Society of Engineering Geology

Language : English

## Invitation

### Asian Regional Conference of IAEG



Dear Colleagues,

Greetings From Korea!

The Korean Society of Engineering Geology and Korea national group of International Association of Engineering Geology and the Environment (IAEG)

would like to present the 12<sup>th</sup> Asian Regional Conference to be held in Autumn of 2019 in Jeju Island, Korea.

The conference's main goal is to share knowledge and practical experience in dealing with issues on "Role of Engineering in Geology for the Safe Society and Environment".

This symposium will offer the various conference experiences : Keynote lecture, social events, technical tours and other activities which will ensure unforgettable memories in Jeju, a world recognized Geopark for its diversity of volcanic formations and geological resources.

[Jeju Island is awarded as 'World New 7 Wonders of Nature (2011)', 'UNESCO Global Geopark Network (2010)', 'UNESCO Natural Heritage Site(2007)', and UNESCO Biosphere Reserve (2002)].

Once again, anticipating your continued cooperation and active participation for the coming conference, we look forward to welcoming all of you here in Korea.

**Prof. Bo-An Jang**

Chairman for IAEG Korea National Group

**Dr. Kyung-Sik Won**

President of The Korean Society of Engineering Geology

**Conference Overview** : September 23 (Pre-Conference Field Trip)

September 24-26 (Keynote Lectures & Technical Sessions)

September 27 (Post-Conference Field Trip)

### **Important Dates** :

January 1, 2019 : Abstract Submission Opens

March 31, 2019 : Abstract Submission Deadline

May 31, 2019 : Notification Abstracts Acceptance /Rejection

July 31, 2019 : Pre-registration Deadline

**Venue** : Booyoung Jeju Hotel&Resort

**Location** : Location : Booyoung Hotel & Resort Jeju 222, Jungmungwangwang-ro, Seogwipo-si, Jeju-do

**Tel** : 064-731-5500 Fax. 064-731-5555

Homepage : <http://www.iaegarc12.org/sub01/sub01.html>

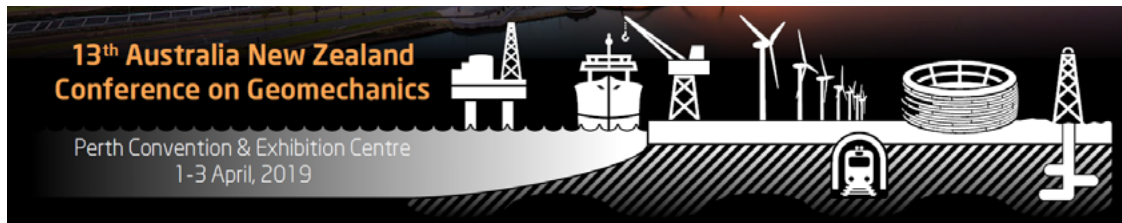


Booyoung Jeju Hotel&Resort

# /9. MEETING INFORMATION

Perth, Australia, April 1-3, 2019

The 13<sup>th</sup> Australia New Zealand Conference on Geomechanics



The 13th Australia New Zealand Conference on Geomechanics will be held at the Perth Convention and Exhibition Centre situated in the heart of Perth in Western Australia. The conference has a diverse range of themes including: Foundations and Retaining Structure, Ground Improvement, Offshore and Nearshore Geotechnics plus many more.

This promises to be an ideal forum for exploring the recent learnings in the broader Geomechanics community. It is from these learnings that the industry is able to continue to drive new innovations and drive practice forward.

The Australia New Zealand Conference on Geomechanics is always an important meeting place for professionals working in the Geomechanics industry and will again be a great place to explore the new directions emerging in the industry. It is an opportunity to engage with speakers from across Australia, meet up with colleagues, network and visit the exhibitor displays.

Conference Date: April 1-3, 2019

Venue: Perth Convention and Exhibition Centre

## **Contact Information**

Conference Managers: Arinex Pty Ltd      Phone: +61-8-9486-2000

Email: [ANZgeomechanics2019@arinex.com.au](mailto:ANZgeomechanics2019@arinex.com.au)

Website: <http://feomechanics2019.com.au>

## **Registration**

Early Bird Closes: November 19, 2018

Standard Opens: November 20, 2018



Okinawa, Japan, May 7-11, 2019

2019 Rock Dynamics Summit in Okinawa

2019 RDS - A Specialized Symposium of ISRM  
**2019 ROCK DYNAMICS SUMMIT IN OKINAWA**  
7-11 May, 2019, Okinawa, JAPAN

We welcome you to the 2019 Rock Dynamics Summit in Okinawa, a specialized conference of the International Society for Rock Mechanics (ISRM) in Nago, Okinawa, Japan.

Rock dynamics involves diverse research scopes ranging from earthquake engineering, blasting, impacts, failure as well as the occurrence and prediction of earthquakes. Rock dynamics has wide applications in civil and infrastructural, resources and energy, geological and environmental engineering, geothermal energy, and earthquake hazard management. This topic has become one of the important areas of research and engineering activities in Geomechanics and Geoengineering. The 2019 Rock Dynamic Summit in Okinawa is organized to address scientific research as well as engineering applications.

Conference Date: May 7-11, 2018

Venue: Bankoku Shinryokan

**Contact Information**

Email: [contact2019@2019rds.org](mailto:contact2019@2019rds.org), [aydan@tec.u-ryukyu.ac.jp](mailto:aydan@tec.u-ryukyu.ac.jp), [tseiki@cc.utsunomiya-u.ac.jp](mailto:tseiki@cc.utsunomiya-u.ac.jp)

Website: <http://www.2019rds.org/category/news>

**Theme**

- Laboratory tests on Dynamic Responses of Rocks and Rock Masses; Fracturing of Rocks and Associated Strong Motions
- Estimation Procedures and Numerical Techniques of Strong Motions Associated with the Rupture of Earth's Crust and Some Strong Motion
- Dynamic Response and Stability of Rock Foundations, Underground Excavations in Rock, Rock Slopes Dynamic Responses and Stability of Stone Masonry Historical Structures and Monuments
- Induced Seismicity
- Dynamic Simulation of Loading and Excavation
- Blasting
- Rockburst, Outburst, Impacts
- Nondestructive Testing Using Shock Waves
- Case Histories of Failure Phenomenon in Rock Engineering

Iguassu, Brazil, September 13 – 18, 2019

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



2019 will be a special year for the ISRM South America National Groups when the region welcomes the ISRM family for its 14th Congress. Brazil, Argentina and Paraguay will be the host countries for the event that is to be held in Foz do Iguassu, city that marks the common border amongst these countries. It is an honor to organize such an event but it is also a great responsibility to maintain the tradition of memorable ISRM congresses.

The central theme of the Congress is Rock Mechanics for Natural Resources and Infrastructure Development, a theme much relevant and needed for the current stage of most of the countries. All ISRM regions are invited to share their experience in the theme. The technical program is being established by an International Scientific Committee in order to attract different categories of geotechnical professionals as academics, consultants, contractors, public companies and should incorporate issues of ISRM Technical Commissions.

Conference Date: September 13 - 18, 2019

Venue: Bourbon Cataratas Convention & Spa Resort

#### **Contact Information**

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Email: [isrm.2019@puc-rio.br](mailto:isrm.2019@puc-rio.br); [Bruno.bolivia@mci-group.com](mailto:Bruno.bolivia@mci-group.com)

Website: <http://www.isrm2019.com/>

#### **Key Date:**

Abstract Submission deadline: October 30, 2018

Paper Submission Deadline: January 27, 2019

Final Paper Submission Deadline: April 19, 2019

Early Bird Closes: June 19, 2019

Delhi, India, March 2 – 8, 2020

The 36<sup>th</sup> international Geological Congress



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

2-8 March, 2020, Delhi, India

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, with the theme of "Geosciences: The Basic Science for a Sustainable Future". 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.

Conference Date: March 2-8, 2020

Venue: India Expo Centre & Mart (<http://indiaexpomart.com/>)

### Contact Information

Contact Person: Secretariat of 36th IGC      Phone: +91-11-29965750/26057035

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

Website: <http://www.36igc.org>

### Salient Excursions

A variety of geological excursions ranging from 1 day short visit to 5 days guided tours will be catered at reasonable budget before and/or after the conference. During these visits delegates will have the opportunity to see and experience Indian culture, customs and traditions, folk arts, handicrafts, cuisine, places of tourist interest, wildlife and much more.

Kathmandu, Nepal, May 12-13, 2019

### First Himalayan Engineering Geological Congress (HEGC-I)

The 1st 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.

Every year, especially during the summer monsoon period, landslides and related natural disaster events claim many lives and destroy property, infrastructure and the environment of the Himalayas. The gap in practices of engineering geological and geotechnical studies between developed and developing nations are immeasurable. Himalayan region lacks proper engineering geological study guidelines for infrastructure development despite having established various national level organizations as well as

producing engineering geologists through a university graduate course.

Based on these situations, Nepalese Society of Engineering Geologists (NSEG) decided to host this instrumental forum, which could provide management for developing countries in disaster prevention. It could also be a milestone in history of Himalayan Engineering Geological and Geotechnical studies and discussion.

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**

Early Bird: December 15, 2018 - February 1, 2019

Standard: February 2, 2019 – May 10, 2019

### **Important Dates**

November 15, 2018: Notification of accepted abstract

April 1, 2019: Deadline of abstract submission

For more detailed information, please click the link below:

<https://www.dropbox.com/s/h4622t903lfmr0t/First%20Himalayan%20Engineering%20Geotechniques%20for%20Developing%20Countries.pdf?dl=0>



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