



# IAEG

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## NEWSLETTER

Issue No.4, 2017

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. IAEG EVENTS

## 1-1 IAEG Executive Committee Meeting 2017

A 2-day IAEG Executive Committee Meeting was held in Kathmandu from November 24th -25th, 2017, 12 among the 13 Executive Committee members attended the meeting. The meeting was chaired by the President of IAEG, Scott Burns. He gave a welcome speech to all the members present at the meeting and special thanks to Mr. Ranjan, who elaborately organized the Executive Meeting and Council Meeting, and selected the great venue.

The meeting approved the report of the Secretariat, discussed and approved 2016 financial report and budget for 2017-2019. The amended IAEG strategy was agreed to be submitted to the council meeting for approval. Three new national/regional groups, Bangladesh, Iraq and Chinese Taipei were accepted to be established.



Executive Committee Meeting on November 24th, 2017

A main topic was focused on the New Fee Structure. Two proposals were raised for the new fee structure regarding the fee standard and low/high income countries, based on the definition of World Bank classification on high/low income countries. The high-income countries are those with a NGI per capital greater than \$12,235, all the other countries being low-income countries. Bulgaria, Romania and South Africa were suggested to be changed from high-income to low-income countries.

All the executive members gave their reports on their own area. Martin Culshaw, Paolo Allasia on behalf of Giorgio Lollino gave their reports on the Bulletin and the Website respectively. The meeting highly appreciated the progress of Bulletin and the website.

# /1. IAEG EVENTS

## 1-2 IAEG Council Meeting 2017

The IAEG Council meeting was held on November 26th, 2017 in Yak and Yeti Hotel. 23 national and regional groups, 12 Executive Committee Members attended the meeting.

The president of IAEG, Scott Burns, chaired the meeting and gave a welcome speech to all the attendees. He also gave special thanks to Nepalese organizer, Mr. Ranjan and his group, for their elaborate preparation for the meeting.



IAEG Council Meeting on November 26th, 2017

### **Report of President**

The President Scott Burns gave a brief overview on all the events and development of IAEG in 2017, and concluded that the year of 2017 was a wonderful year. In 2017, three new national/regional groups joined IAEG and nations groups were continuing to grow too; the Bulletin was continuing to grow in prestige under the direction of Martin Culshaw; and the office work in China continued to work smoothly under the leadership of Faquan Wu. In 2018, there would be XIII IAEG Congress / AEG Annual Meeting in San Francisco, on which Hans Cloos Medal, the Marcel Arnould Medal, the Richard Wolters Prize would be awarded.

### **Report of Secretariat**

The Secretary General Faquan Wu gave a general report of Secretariat Work on members' alteration, the increase of Newsletters from two issues to four issues and establishment of new national groups. As for the promotion of IAEG activities, Faquan Wu attended the KSEG Spring Conference held in Yoesu 2017, and successfully organized the 1st Shaoxing International Forum on Rock Mechanics and Engineering Geology, which was sponsored by IAEG and ISRM.

### **Financial Report for 2016 and Budget for 2017-2019**

Jean-Alain Fleurisson presented the financial report 2016 to the council meeting. He briefly reported the financial status of IAEG in the past year, including the revenues, expenses,



# /1. IAEG EVENTS

financial result evolution and assets evolution of the finance. He also presented the budget for 2017-2019 and put forward two proposals for the New Fee Structure, according to the World Bank classification on low/high income countries.

## **Bulletin**

Martin Culshaw gave a presentation on the Bulletin work. The Bulletin was still growing, reached the impact factor of 1.901, the highest figure up to now. From 2019, the Bulletin would be published digital-only. Since Martin Culshaw will retire next year, Louis Wong and Resat Ulusay would take over as joint editors-in-chief in 2018 to take the Bulletin to 2020.

## **Website**

The website editor has done a detailed analysis of the IAEG website performance for the past one year. In 2017, the Web Editor proposed to the IAEG website mailing list a survey (more than 2900 contacts) on interests in engineering geology activities and collected 129 feedbacks. The website editor pointed out that the Website is an important window over the world but need contents. The mass mailing web-letter represent a possibility to attract the people on the website, but contents is also needed.

## **Establishment of new national/regional groups**

Three new national/regional groups, Bangladesh, Iraq and Chinese Taipei, have been approved to establish.



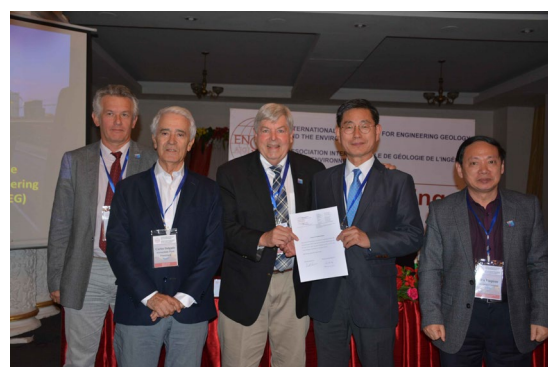
New National Group Bangladesh



New National Group Iraq



New Regional Group Chinese Taipei



Korean won the bid for the 12th ARC

# /1. IAEG EVENTS

## 12th ARC and venue of IAEG working meetings in 2019

Korean National Group has prepared a lot for bidding the 12th ARC 2019, and they successfully won the bid for it. And the invitation from Korean group for IAEG Executive Committee and Council meetings has been accepted.



IAEG Council Meeting on November 26th, 2017

## 1-3 The 11th ARC in Kathmandu

The 11th IAEG Asian Regional Conference (ARC11) was held from November 28th-30th, 2017 at Yak and Yeti Hotel, Kathmandu. More than 450 delegates from over 10 countries attended this conference. The theme of this conference is Engineering Geology for Geodisaster Management, including four keynote speeches, two invited speeches and 25 technical speeches.



The 11th ARC Opening Ceremony



# /1. IAEG EVENTS

The president of Nepal, Bidhya Devi Bhandari, attended and addressed the event. IAEG president Scott Burns, secretary general Faquan Wu, and the representatives of Nepalian Geological Society gave welcome speeches at the opening ceremony.

Scott Burns awarded Hans Cloos Medal to professor Resat Ulusay from Turkey shortly after the opening ceremony. Resat gave a Has Cloos Lecture on *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*.



Hans Cloos Medal Awarding Ceremony



Resat Ulusay on Hans Cloos Lecture

Pre-conference on slope stability and post-conference field trips on the disaster area affected by the 2015 Gorkha Earthquake have been arranged.



Post-Conference Inspection Line 4---treatment of slope along the highway

# /1. IAEG EVENTS

## 1-4 The 1st Shaoxing International Forum on Rock Mechanics and Engineering Geology (SXFRG)

The 1st Shaoxing International Forum on Rock Mechanics and Engineering Geology was held from October 28th-29th, 2017 at Shaoxing University, China. It was organized by the Secretariat of IAEG, hosted by Shaoxing University and sponsored by IAEG and ISRM. More than 150 delegates from over 10 countries attended this conference, including the president, immediate past presidents, past presidents of IAEG, distinguished guests, well-known experts, scholars and technical consultants in the field of Engineering Geology and Rock Mechanics. The theme of this forum is *Rock Mechanical and Engineering Geological problems for the Silk Road Economic Belt and the 21st Century Maritime Silk Road (B&R)*, including four keynote speeches and 19 general speeches.



Group photo

The mayor of Shaoxing, the headmaster of Shaoxing University, president of IAEG Scott Burns addressed the event respectively. It was a quite grand occasion, on which so many executive members of IAEG, together with some other well-known scholars, gathered together and presented their latest research work. The Shaoxing International Forum has been regarded as a big success, and highly appreciated by all the attendants. On the occasion of the opening ceremony, prof. Victor Osipov, the academician of Russian Academy of Sciences, awarded the Evgenii M.Sergeev Medal to Prof. Sijng Wang, the past president of IAEG as well as the academician of Chinese Academy of Sciences. Faquan Wu received the Medal on behalf of Prof. Sijng Wang.

Followed the Forum is a field trip to Tianhuangping Pumped Storage Power Plant on 30th, and a special Enterprise Meeting on Geotechnical Engineering Problems in Shaoxing in the afternoon. Representatives from 14 local companies in the area of Geotechnical Engineering, as well as invited experts attended the meeting.



# /1. IAEG EVENTS



Scott Burns on the Opening Ceremony of SXFRG



Victor Osipov and Faquan Wu on Award Ceremony

Faquan wu chaired the meeting and gave a brief introduction of the aims of holding such an event. It was not only a precious chance for local enterprises to state the current situation and the difficulties they were faced with, but also a stage to put forward the research themes and issues for the scholars and experts. Since Shaoxing was preparing to build subway, the representatives from the local enterprises mainly consulted the experts the problems involved in subway and highway, and they got satisfactory answers and suggestions from the experts and specialists. This was the significance of industry-university-research cooperation, which should be widely promoted and developed.



Field Trip and Enterprisers Meeting

## 1-5 YEG Event

The Young Engineering Geologists Committee of IAEG chaired by Louise Vick organized the first YEG Event in the Hotel Woodland on November 27, 2017 during the 11th ARC. The vice presidents of IAEG, Mark Eggers and Yogendra Deva, the chair of YEG Committee of IAEG, Louise Vick, as well as 14 young professionals attended the first YEG Event.

Mark Eggers and the President of NGS, Dr. Kabi Raj Paudyal gave opening address. Louise Vick gave a brief introduction of the event. The event consisted of technical talks, questions-answer panel and judging the prize for best talk.

At the beginning of the YEG event, Mark gave the young professionals a presentation on the role of Young Engineering Geologists Group and what can the YEG members do to help promote the



# /1. IAEG EVENTS

Committee within IAEG. By clarifying the difference between being a good professional and a great professional, Mark addressed that professionalism is an attitude. Mark's presentation helps the young professionals have a better understanding of Engineering Geology, which somehow provided the young members a good direction for their future career.



the YEG Event during 11th ARC

Speakers from India, Nepal and New Zealand gave wonderful talks on Geological Hazards, earthquake, Mapping, Rock Bursting and Rock Mass Classifications. the winners of the best talk selected by the junge were Mainak Ghoshroy from India whose talk is “Assessment of rockbursting and squeezing potential using Empirical rock mass classifications under stress induced condition in the Himalaya” and Sophie Bainbridge from New Zealand whose talk is “Levee Performance during the 2010-2011 Canterbury Earthquake Sequence”.

Louise Vick pointed out that the first YEG Event is a start for the young professionals from different countries to share their ideas, but the YEG Committee also faces the challenge to get more young professionals involved in the group activities. The next YEG Event will take place during the 2018 IAEG Congress, including Ice-breaker, Giants game and cable car ride.



Louise spoke at the YEG Event

## /2. MEMBERSHIP UPDATE 2017

By now, the members of IAEG reached 4369 from 58 national/regional groups, 1888 with Bulletin, 2455 without Bulletin, 20 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	311	144	166	1
	2	New Zealand	400	169	231	0
Giorgio Lollino	3	Albania				
	4	Austria	22	11	11	0
	5	Bulgaria	16	10	6	0
	6	Croatia				
	7	Cyprus				
	8	France	181	117	52	12
	9	Georgia	15	1	14	0
	10	Greece	79	23	56	0
	11	Hungary				
	12	Italy	75	69	6	0
	13	Portugal	76	46	29	1
	14	Romania	28	19	9	0
	15	Serbia	15	8	7	0
	16	Slovenia	27	4	23	0
	17	Spain	49	49	0	0
	18	Switzerland	73	73	0	0
	19	Turkey	132	9	123	0
Rafiq Azzam	20	Netherlands	34	34	0	0
	21	Lithuania	10	10	0	0
	22	The United Kingdom	281	281	0	0
	23	Belgium	75	30	45	0
	24	Czech Republic	29	16	13	0
	25	Denmark				
	26	Estonia				
	27	Finland	21	20		
	28	Germany	520	51	469	0
	29	Iceland				
	30	Ireland				
	31	Norway				
	32	Poland				
	33	Russia	85	30	55	0
	34	Slovak Republic	4	4	0	0
	35	Sweden	33	33	0	0
Louis VanRooy	36	Algeria				
	37	Nigeria	62	14	48	0
	38	South Africa	153	34	119	0
Jeff Keaton	39	Canada	115	105	10	0
	40	Mexico				
	41	USA	204	50	154	0
Maria Heloisa	42	Argentina	34	34	0	0
	43	Brazil	26	19	7	0
	44	Colombia	19	16	3	0
	45	Paraguay	29	0	29	0
	46	Peru				
Yogendra Deva	47	China P.R.	585	227	358	0
	48	HongKong SAS				
	49	India	134	39	95	0
	50	Indonesia				
	51	Iran				
	52	Japan	89	79	4	6
	53	Korea	125	5	120	0
	54	Malaysia				
	55	Nepal	60	4	56	0
	56	Singapore	120	3	117	0
	57	SEAGS	17	17	0	0
	58	Vietnam				
Individual Member			6			
Total			4369	1888	2455	20

# /3. ANNOUNCEMENT FOR NEW FEE STRUCTURE



President:	Prof. Carlos Delgado
Past President:	Dr. Fred Baynes
Secretary General:	Prof. Wu Faquan.
Treasurer:	Mr. Pierre Potherat
Vice Presidents	
Africa:	Dr. John Stiff
Asia:	Prof. Huang Runqiu
Australasia:	Dr. Ann Williams
Europe:	Prof. Atiye Tugrul
	Dr. Ian Jefferson
North America:	Dr. Réjean Couture
South America:	Dr. Silvina Andrea Marfil

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

## Decision on the IAEG Fee Structure

The Proposal by the Executive Committee for IAEG Membership Fee Structure has been approved through vote at the Council Meeting, November 26, 2017, Kathmandu, Nepal. The New Fee Structure will begin to implement from the year of 2019.

### 1. The new IAEG Fee Structure:

Members through National groups	<u>Members without bulletin</u>	
	Low-income Countries*	7 €
	High-income Countries	20 €
	<u>Members with bulletin</u>	
Direct members	Low-income Countries*	19 €
	High-income Countries	32 €
	Individual member with Bulletin	45 €
	Individual member without Bulletin	33 €
	Associated members	150 €

\*The definition of high/low income countries is based on 2017 World Bank classification. The high-income countries are those with a NGI per capita greater than \$12,235, all the other countries being low-income countries. Bulgaria, Romania and South Africa have been changed from high-income to low-income countries by the council meeting.

### 2. The result of vote on the new IAEG Fee Structure:

Yes	37
No	2
Abstention	1

President (Signature):

*Scott Burns*

Secretary General (Signature):

*Faquan Wu*

# /4. ANNOUNCEMENT FOR NEW NATIONAL / REGIONAL GROUPS

Bangladesh national group, Chinese Taipei regional group and Iraq national group have been approved to establish by IAEG Council. Congratulations to them.



<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 Frasca

IAEG Secretariat:  
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## Letter of Appointment

The Council of International Association for Engineering Geology and the Environment (IAEG) approved to establish the Bangladesh National Group at the Council Meeting in Kathmandu on November 26, 2017. We are pleased to appoint Dr. A.T.M. Shakhawat Hossain as the President, and Mohammad Feruj Alam as the Secretary General of the Bangladesh National Group.

With the best wishes and congratulation!

President (Signature):

Secretary General(Signature):

Date: November,26,2017





<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

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

## Letter of Appointment

The Council of International Association for Engineering Geology and the Environment (IAEG) approved to establish the Iraq National Group at the Council Meeting in Kathmandu on November 26, 2017. We are pleased to appoint AQEEL Al-ADILI as the President, and Jaffar Hussain Al-Zubaydi as the Secretary General of the Iraq National Group.

With the best wishes and congratulation!

President (Signature):

Secretary General(Signature):

Date: November, 26,2017





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

## Letter of Appointment

The Council of International Association for Engineering Geology and the Environment (IAEG) approved to establish the Chinese Taipei Regional Group at the Council Meeting in Kathmandu on November 26, 2017. We are pleased to appoint Tien-Chang Lai as the President, and Li-Yuan FEI as the Secretary General of the Chinese Taipei Regional Group.

With the best wishes and congratulation!

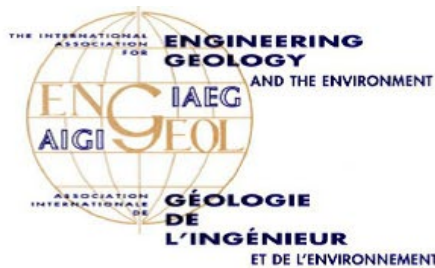
President (Signature):

Secretary General(Signature):

Date: November, 26, 2017

# /5. ANNOUNCEMENT FOR THE 12th ARC

Korea National Group won the host of 12th Asian Regional Conference of IAEG in 2019. Congratulations to Korean National Group.



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

## Letter of Authorization

The Council of International Association for Engineering Geology and the Environment (IAEG) approved that the Korea National Group won the host of 12<sup>th</sup> Asian Regional Conference of IAEG in 2019 at the Council Meeting in Kathmandu on November 26, 2017.

With the best wishes and congratulation!

President (Signature):

Secretary General(Signature):

Date: November, 26, 2017

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## EVENTS FROM NATIONAL GROUPS

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### //////////Albania

#### Albania National Group – News and Activities

During 2016-2017, ANG of IAEG is involved in all activities held for the protection of the environment in Albania and participated in all activities that are initiated by some municipalities and by other environmental societies, for the cleaning of beaches in Adriatic Coast Areas and within some main cities in Albania. for the creating of the best conditions of life in Albania.

We have continued the regular activities in many workshops held in Albania on the different topics and are helping directly for the studies and the projects on the construction of the new landfills of urban wastes and the closure of old ones..Also we have participated in many projects regarding the Engineering-Geological Conditions of the construction's sites for different objects and national roads.

We have contributed also participating in many discussions in national TV, regarding geological phenomena, and the protection of the environment to make more sensible our public.

We are collaborating closely with two companies.

NORD COMAT shpk,-Tirana ALBANIA

KONSULENCA GJEOLGJIKE shpk,(Eng.Ramazan Myrto).

### //////////Argentina

#### Argentina National Group - Activities

##### Activities 2016

- Publication of the Journal of Geology Applied to Engineering and the Environment, N° 36.
- Publication of the Journal of Geology Applied to Engineering and the Environment, N° 37.

##### 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 9th – 11th, 2014. Lecturer: MSc Geól. Norberto Jorge Bejerman.

### //////////Austria

#### Austria National Group – Activities

- The Bodenseetagung Conference with the overall topic “use of the deeper underground” takes place from 26th to 27th of October 2017 in Switzerland. The Bodenseetagung is an engineering geological conference, which is held once every two years in Germany, Switzerland or Austria. The Austrian chapter handed in four talks.

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## EVENTS FROM NATIONAL GROUPS

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- The Pangeo Austria (Austrian Geological Society) will take place from 24th to 26th of September 2018 and focuses on interlinking of earth-scientists in Austria. Traditionally it mainly gives students and younger 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.
- Also 2018 the “Geotage Bischofshofen” will take place in March. The main topic of this conference will be geological site investigations and natural hazards.
- teaching at the University of Natural Resources and Life Sciences in Vienna, at the University of Vienna and Salzburg.
- various expert boards and committees to develop engineering standards (f.i. injection grouting).

### Belgium National Group - Annual Report

//////////Belgium

• In 2016, the SBGIMR-BVIGRM (Belgian Society for Engineering Geology and Rock Mechanics) had 58 members, among which 43 are IAEG members. Several activities were organized in 2016:

- 21 April, Flémalle: Annual Meeting 2016 and studyday on the Hénâ heap (31 participants among which 29 members of the society)
- 2 June, Pulvermühle (G.D. Luxembourg): visit on the Pulvermühle Viaduct worksite, in collaboration with UBLG-BLUG, the Belgian-Luxembourg Union of Geologists (12 participants among which 9 members of the society)
- 9 November, Namur: studyday on mine heaps (59 participants among which 16 members of the society)

In addition, several Council meetings were held during the year (27th January, 1st July, 9th September, 25th November).

A big project for the year 2016 is the development of our new website:

<http://www.sbgimr-bvigrm.be>

### Bulgaria National Group - Activities

//////////Bulgaria

- Participation of investigation in European Project “STRUMA”
- Preparation of report regarding international meeting of Balkan Commission for landslides in Slovenia

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## EVENTS FROM NATIONAL GROUPS

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//////////Canada

- Bulgarian NG prepare special recommendation providing participation of private companies in tenders for landslides organized from EU Commission
- in the year of 2017 Bulgarian NG increased the numbers of participants in the group (increase 16 members); 10 with bulletin and 6 without bulletin. This group vote for a new President of the group (Ass.Prof.Kiril Angelov) and new Secretary (Ass.Prof.Ivanov)

### Canada National Group – Activities and News

- Dr. Jean Hutchinson from Queen's University was identified as the CGS nomination for the next IAEG VP North America, as determined by the National CGS Executive. Her term would commence after the next Council meeting in 2018.
- EGD Chair spoke to IAEG VP, Jeff Keaton in order to determine what was missed at the IAEG Council Meeting in Cape Town. No EGD member was identified as being able to attend the IAEG Council Meeting in Cape Town, South Africa, on 28th August, 2016.
- EGD provided the GeoOttawa (CGS Annual Conference) technical committee with a comprehensive list of reviewers for papers – many from list chosen for this purpose. Paper acceptance has been finalized and the conference occurred 1-4 Oct 2017.
- Website: <http://www.geoottawa2017.ca/index.php>
- Society of Mining, Metallurgy & Exploration within the ASCE Committee on Sustainability has been in contact with CGS and the EGD. They have hosted a symposium and workshop that was held in conjunction with the annual meeting February 18-19, 2017, in Denver. CGS supported this event by distributing the information to its members.





**Oldrich Hungr**  
**Obituary**

### **Obituary of Professor Oldrich Hungr**

The Canadian and world geotechnical communities recently lost Oldrich Hungr, PEng/PGeo (BC)....a landslide specialist, a researcher, an educator, a consultant, a philosopher, a mentor, a husband, a father, a grandfather, a friend, a rare breed.

Oldrich and his wife, Klema, fled communist Czechoslovakia in the late 1960s and eventually went to Ottawa, where Oldrich obtained his BSc and MSc in Civil Engineering (Geotechnical) from the University of Ottawa in 1972 and 1975. After several years working as a consultant with the Trow Group in Toronto, primarily in the field of rock mechanics, Oldrich enrolled in a PhD program at the

University of Alberta under the supervision of Dr. Norbert Morgenstern, and graduated in 1981.

Upon graduation, Oldrich joined Thurber Engineering Ltd in Vancouver, BC, with whom he worked until 1996. As a consultant, Oldrich carried out approximately 1000 assignments associated with, among other things, community planning, transportation routes, hydro projects, open pit mines, and forestry. These projects were primarily related to slope stability, the assessment of hazards and risks associated with landslides, landslide stabilization and the design of debris flow protective structures. While consulting full time, Oldrich also developed and marketed CLARA, his successful 3-D slope stability software program, (named after his daughter), and DAN, a computer model for dynamic analysis of rapid landslides.

In 1996, Oldrich joined the Department of Earth and Ocean Sciences (currently Earth, Oceans and Atmospheric Sciences) at the University of British Columbia. Over the next 20 years, he became very well known as a teacher, graduate student supervisor and researcher. He served as Director of the Geological Engineering program and taught courses in Engineering Geology, Geomorphology, Slope Engineering, Natural Hazards and Field Techniques. Oldrich's engaging storytelling, unique sense of humour and practical insights made his lectures both popular and memorable. In 2006 he was awarded the faculty's teaching prize. Oldrich supervised or co-supervised 35 Master's students, 5 PhD students and a myriad of undergraduate theses and projects. His very practical research continued to be related to many different aspects of slope stability and landslides. He expanded his computer model DAN to a 3-D version and developed PIERRE, an advanced computer model for dynamic analysis of rock fall (named after one of his sons and, of course, the French word for 'stone'). During his tenure at UBC, Oldrich was also in high demand as a consultant and an expert witness.

Oldrich's research resulted in approximately 100 refereed and 70 non-refereed publications, 15 book chapters and 4 edited books. One of his last papers, which won an award for best paper in the journal Landslides in 2015, was an update of the classic 'Varnes classification of landslides'. Oldrich was sought after in BC and around the world to give short courses, invited lectures and keynote addresses, and to be a guest and visiting lecturer. His last keynote address was the prestigious Heim Lecture at the 12th International Symposium on Landslides in Naples, Italy, in 2016. During his career Oldrich received many other awards and recognitions from the Canadian Geotechnical Society, and other geotechnical organizations from around the world. Examples are the Schuster Medal (2008), a joint

medal presented by the CGS and the Association of Engineering and Environmental Geologists that recognizes North American contributions to geohazard research, and the Varnes Medal (2015) from the International Consortium on Landslides. Oldrich was elected both as a Fellow of the Engineering Institute of Canada and a Fellow of the Geoscientists Canada.

Oldrich always gave freely of his time to his students, colleagues and the local, national and world-wide geotechnical communities in many ways. At the time of his death he was a member of the Slope Safety Technical Review Board of the Geotechnical Engineering Office in Hong Kong.

Humble, soft-spoken, pragmatic and devoted are some adjectives that have been used to describe Oldrich. He was someone to be respected. Someone with a profound understanding of soil and rock mechanics, a constant desire to continue learning and an unendingly inquisitive mind. Someone uncomfortable in a jacket and tie, but comfortable in field clothes. Someone who could, with his dry wit, tell a good story, and someone who was at the heart of many other good stories. Oldrich will not be forgotten.

Oldrich leaves behind his wife, Klema, his children, Pierre, Nikolai and Clara, and two grandchildren. For the past several years, Oldrich and Klema had a second home in southwestern France where they spent their summers and where Oldrich passed away.

Footnote from Oldrich's family: Since Oldrich's passing, we have been flooded with personal and sincere messages of condolence from all over the world. We are moved by this overwhelming response that clearly shows how Oldrich touched so many people, not just professionally but personally. We would like to thank the geotechnical community for the home they created for Oldrich. His passion for his work infused itself into our family life in so many wonderful ways. He taught each of his children to pursue life with the same level of integrity and fervour. To extend Oldrich's efforts, we have opened for contributions a scholarship fund through the University of British Columbia to help students in the same line of research. For more information, please see <https://memorial.support.ubc.ca/oldrich-hungr/>.

## China National Group – Activities

### 1. 10th China Engineering Geology Congress

The 10th China Engineering Geology Congress was held in Guilin during October 28th and 31st, 2017. More than 1000 representatives attended the Congress from 212 universities, research institutes and enterprises.



Congress photo

### 2. 10th National Engineering Geology Summit

On March 24-26 2017, 10th National Engineering Geology Summit on Marine Engineering Geology was organized in Sanya, Hainan Province, China. The Summit was supported by National Natural Science Foundation of China (NSFC), including three major sessions: invited lecture, keynote speech and discussion.

### 3. The First Cross-strait Seminar on Engineering Geology

On May 12-16 2017, the First Cross-strait Seminar on Engineering Geology was organized in Chengdu, China. The seminar was hosted by the state key laboratory of geological hazard control and geological environment protection, Chengdu university of technology. Engineering geological experts and scholars gathered from the mainland, Hong Kong and Taiwan, to discuss special engineering geological problems, new theory and technology of engineering geology and development frontier of engineering geology.

### 4. 6th -8th National Youth Symposium on Engineering Geology

The 6th -8th National Youth Symposium on Engineering Geology was organized during the year 0f 2017 in China. The symposia was hosted by Young Professor Commission of IAEG China National Group.

The topics for the three meetings are respectively:

- Mechanism and prevention of geological disasters under rainfall,

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## EVENTS FROM NATIONAL GROUPS

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post-earthquake geological disasters triggered by strong earthquakes and monitoring warning and risk assessment of disaster in complex conditions.

- landslide stability evaluation, prevention and treatment.
- Engineering geological monitoring and evaluation”. About 80 scholars attended the symposium.

### **5. Academician Sijing WANG Awarded Evgenii M. Sergeev Distinguished Contribution Medal**

Academician Sijing WANG was awarded Evgenii M. Sergeev Distinguished Contribution Medal, as for his distinguished contribution in engineering geology and geo-environmental science and a long-term friendship and guidance to Russian Engineering Geology Institute, especially productive work to enhance international cooperation during his IAEG president term.

### **Czech Republic National Group – Activities**

The IAEG Czech National Group has 29 members now. They are in contact with the other professional organisations in the scope of view of geology and geotechnics, especially with the Czech Association of Engineering Geologists (CAIG).

//////////Czech

They were involved in

- Organisation of traditional seminars of engineering geology held periodically each month during the academic year at the Faculty of Civil Engineering in Prague and Brno in the Czech Republic
- Preparation of the conference Engineering Geology 2016 organized by Slovak National Group of IAEG and Slovak Association of Engineering Geologists (SAIG) as members of scientific committee. The conference was held in Nový Smokovec in July 2016.
- A scientific committee of the 3rd Czech Engineering Geological Congress and organized on behalf of IAEG and CAIG and Faculty of Science of Masaryk University in Brno. The Congress is to be held from 4th to 7th September 2017 in Brno.



**Jan Rybář**  
**Obituary**

### **Obituary of Professor Jan Rybář**

It is with deep sadness that we announce the passing away of Professor Jan Rybář on October 29, 2017. He was an active member of the Czech National Group of the International Association for Engineering Geology and the Environment, being its secretary since 1990 and in the years 2006–2011 its chairman. He worked actively in several committees specialized in the study of slope movements within international scientific societies (IAEG, ISSMFE), German companies (DGEG, DGG), UNESCO or the former Comecon.

During his studies, Jan Rybář was influenced by the lectures of Professor Záruba, the founder of the Czechoslovak engineering geology and the first president of the IAEG, and it was no wonder

that he subsequently started working under Záruba's leadership at the Czechoslovak Academy of Sciences (now Academy of Sciences of the Czech Republic). In 1970, he studied the mechanism of lateral-type landslides at the Technical University in Karlsruhe under the guidance of Professor Leopold Müller. He returned to Karlsruhe again in 1991, this time focusing mainly on historical analysis of the climate in relation to slope movements and their frequency in selected model areas of southwestern Germany.

During more than 60 years of professional activity Jan Rybář became an internationally recognized specialist in landslides and other dangerous geodynamic phenomena. He was a co-author of the Czechoslovak landslide classification and of the principles of nationwide systematic registration of landslides. He devised a methodology of slope movements mapping in various scales. In total, he published around 270 professional publications; notably, he was the co-author (with Professor Ondrášek) of the influential monograph *Dynamic Engineering Geology*. In recent years he was analysing the impact of climate on the evolution of particular types of slope movements, assessing the negative effects of anthropogenic interventions on slope stability and developing new methods of compiling prognostic maps of landslide susceptibility.

His kind character and deep professional knowledge and experience infallibly attracted younger colleagues to the field of engineering geology, and especially to his favourite topic – landslides. We felt fortunate to have a chance to work with Professor Rybář, to be able to turn to him for professional advice or to share an interesting geological experience with him. Although he in his modesty did not impose his opinions on us, we remain deeply influenced by his legacy, and so we often find ourselves wondering: "What would Jan Rybář say about this? How would he deal with it?" He will be very missed, both as an outstanding and honest expert and as a truly lovely person.



## EVENTS FROM NATIONAL GROUPS

//////////France

### 1. Scientific or technical CFGI Conferences

- **14<sup>th</sup> January** : in the morning meeting board and then in the afternoon the topic of the conferences organized by Jean Louis Durville was : « L'amiante et la géologie de l'ingénieur ».
  - Amélie LECOMTE (INERIS) : L'amiante : évolution du cadre réglementaire dans le RGIE.
  - Hubert HAAS (BRGM) : Méthodologie pour caractériser le potentiel d'émission de fibres d'un matériau rocheux naturel.
  - Cédric THALMANN (ETH/SIA/CHGeol) : Constructions souterraines des roches serpentines et amphibolites : autorités – plan de mesures – responsabilités – mise en œuvre – expériences suisses.
  - Didier LAHONDERÉ (BRGM) : L'amiante dans l'environnement naturel : approche cartographique de l'aléa.
  - Yves PAQUETTE (GEODERIS) : La longue marche vers la remédiation de la friche industrielle de Canari (Haute Corse).
- **10<sup>th</sup> March** : in the morning meeting board and then in the afternoon the topic of the conferences (organized by Aline Quenez with Bruno Demay CFMS's committee) was : « La géologie et les retours d'expérience à la faveur de grands travaux ».
  - Paul VIDIL (EUROFRANCE) : Limite du procédé parois moulées et incidence sur la géologie.
  - Jérôme JACQUOT (NORBERT S.A) : Projet de pompage – turbinage de Nant de Drance et aspects géologiques.
  - François VAYSSE (EDF) : Renouvellement de la conduite forcée de l'usine hydroélectrique de Passy (74).
  - Gilles CHAPRON et Fabien BINET (TERRASOL) : Retour d'expérience de la réalisation du puits et galerie d'essais de Cachan et les particularités des argiles plastiques de l'Yprésien sur le plateau d'Arcueil-Cachan.
- **12<sup>th</sup> May** : in the morning meeting board and then in the afternoon we have been the shareholder' meeting and in followed the oral presentations of the candidates for the Jean Goguel Prize (president of the jury : Guilhem Deveze and with the participation of Jordi Corominas).
  - Julie D'AMATO : Apport d'une base de données d'éboulements rocheux obtenue par scanner laser dans la caractérisation des conditions de rupture et processus associés.
  - Pierre BOTTELIN et Guénolé MAINSANT : Suivi temporel de mouvements gravitaires : apport des vibrations sismiques ambiantes.
  - Lionel CAUSSE : Analyse et modélisation des interactions géo-mécaniques des tunnels anciens en contexte de versant instable - Rétro-analyse du tunnel d'Encombrouze.
  - Cédric HAURINE : Le cadre Minéralogique de Référence (CMR), un outil d'évaluation rapide du potentiel de valorisation de matériaux naturels dans l'industrie de la terre cuite.
  - Grégory COHEN : Caractérisation, quantification et modélisation du transport et des interactions du CO<sub>2</sub> dans une vadose carbonatée : application à une fuite diffuse de CO<sub>2</sub> en contexte de séquestration géologique.
- **15<sup>th</sup> September** : The board meeting before regional engineering geological trip and technical visits.
- **3<sup>rd</sup> November** : in the morning meeting board and then in the afternoon the topic of the conferences (organized by Xavier Daupley with Christophe Vibert CFMR's committee) was : « Le stockage d'énergie en milieu géologique ».
  - Robert CHARLIER et al. (Université de LIEGE) : Etude des impacts géomécaniques et hydrogéologiques pour l'installation de systèmes de pompage – turbinage dans d'anciennes carrières à ciel ouvert et mines souterraines.
  - François SAVATIER (YMERIS) et Marie-Yvonnick LEGAL (HYDROWATT) : Micro-STEP hydroélectrique de la carrière de kaolin de Berrien.

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## EVENTS FROM NATIONAL GROUPS

### 2. Regional Engineering Geological Trip and Technical Visits

- 29<sup>th</sup> September : (organised by Xavier Daupley and with the help of Jean Marc Watelet of the INERIS) : Visit of the Ruinart's cellars on the subject : « crayères de Champagne et montagne de Reims ».



### Germany National Group – Activities

#### Current Activities

##### 1. Congresses

//////////Germany

- 20. DGGT Symposium on Abandoned Mines <sup>[1]</sup><sub>SEP</sub> 6.-10.11.2017 in Freiberg, Germany, organized by the IAEG-GER Working Group 4.6 Abandoned Mines, Dr. Günter Meier

- 1st “DGGT Section Days” 6.-8.09.2017, Congress in Würzburg, Germany

Engineering Geology Section scientific part organized by IAEG-GER

590 participants, 34 exhibitors on 375 m2 area à great success

Forum for “Young Engineering Geologists” □ Awards for the 3 best presentations

- IAEG Congress 17.-21.09.2018 in San Francisco, U.S.A.

- 35. DGGT Congress on Foundation Engineering 2018 <sup>[1]</sup><sub>SEP</sub> 26. – 29.09.2018 in Stuttgart, Germany

- 23. Conference at the Lake Constance 26./27.10.2018 in Schaffhausen, Switzerland, organized by SFIG, ÖGG and IAEG-GER

- 21. DGGT Symposium on Abandoned Mines 2018 in Krakau, Poland, organized by the Poland Working Group on Old Mining

##### 2. Three Professorships reinstated

Three Professorships could be reinstated

1. Technical University of Berlin - Engineering Geology – starting 1.05.2016

Prof. Dr. Tomás Fernandez-Steeger (formerly RWTH Aachen)

2. RWTH Aachen - Engineering Geology - starting 1.10.2017

Prof. Dr. Florian Amann (formerly ETH Zurich)

3. Technical University of Freiberg - Engineering Geology - starting

## EVENTS FROM NATIONAL GROUPS

1.08.2017

Prof. Dr. Christoph Butscher (formerly KIT Karlsruhe)

### Further activities

- Working groups
  - Initializing constitutional meetings in order to start working progress of the new working groups WG 4.13, 4.14, 4.15 and WG 4.16
  - Motivate longer existing working groups to get back to activity )
- Support for the new chairs to acquire members and identifying objectives
- 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 – Activities

- The national group of Greece has 79 members. Among them 23 are receiving the Bulletin of Engineering Geology and the Environment. Two new members were added in 2016-17.

The directive committee of the Greek national group, introduced after the voting of our members, has been established as following:

//////////Greece

Chairman: V. Marinos, Secretary: C. Loupasakis, Treasurer: A. Kaplanidis, Members: C. Saroglou and G. Stoumpos

- The national group organized a workshop on 8th of May 2017, entitled: "Engineering Geology as an innovation factor: Research - Infrastructure - Development Projects. The oral presentations of the workshop were distributed in three sessions. At the two first sessions the presentations involved the contribution of Engineering Geology to infrastructure and development projects, while the third was dedicated to the presentation of recently completed PhD thesis. Furthermore, the workshop included a poster session dedicated to the presentation of recently completed MSc thesis. At the end of the workshop the best oral and poster presentations were awarded. Our National Group organizes one workshop every two years.
- Members of the Greek National Group of IAEG participated actively to international conferences of the association and sister societies.
- The committee of the national group is in continuous contact with

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## EVENTS FROM NATIONAL GROUPS

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//////////India

its members and informs them for congresses, scientific meetings, lectures and engineering geological developments. Apart from this continuous communication by e-mail, an internet site was created to official present our activities, share news, present technical notes and provide information on how someone can become a member of the Greek IAEG national Group. The internet address of the Greek National Group of IAEG is: [www.eetg.gr](http://www.eetg.gr)

•The national group of Greece has fulfilled its financial obligations to the IAEG until 2016.

### India National Group – Activities

#### Workshop and Conferences

#### 1. A one day workshop on “Climate Changes in Indian Subcontinent with special reference to Himalayas” on 02nd April, 2016 at Hotel Vibes, Lalit, Faridabad, India.

The workshop was able to deliver its message that climate change is an irreversible process which will take place along with the industrial developments and we have to accept the same, but minimization of pollution and green house gas emissions are essentially required to save our ecosystems and biodiversity. Issue of water security needs to be given top priority in view impacts of climate change for which review of existing developmental plans in India, policies & guidelines for Himalayas is most important.



#### 2. Geotechnical Orientation Program (GOP-2017)

GOP-2017 was conducted on 15-16 June, 2017 at Hotel Vibes, Lalit, Faridabad. The programme was attended by 22 participants (including geologists and engineers) from various Govt./PSU and Private Sector Organizations like Northern Railways, NHPC, SJVNL, UJVNL, Geoconsult, Spar geo infra etc. The sessions were planned in a way to give the professionals an overall insight about the role and importance of Engineering geological, geotechnical and associated studies in infrastructure projects.

#### 3. International Conference

“Engineering Geological Solutions for Sustainable Development (EGCON-2017)” on 7th & 8th October, 2017 at Eros Hotel, New

## EVENTS FROM NATIONAL GROUPS

Delhi. ISEG is organising a two days International Conference on “Engineering Geological Solutions for Sustainable Development (EGCON-2017)” on 7th & 8th October, 2017 at Eros Hotel, Nehru Place, New Delhi. Main purpose of this conference is to provide a platform to discuss and ponder upon recent developments in the field of Engineering Geology, advanced technologies in use for development of infra-projects that are economically viable, sustainable and environment friendly.

### 4. Elections for New Body 2018-19:

ISEG Council has appointed election officer to conduct elections for the new body which will take over on 1st Jan. 2018 for the term 2018-19. Since then elections have been notified by election officer on 15th Sept. 2017 and the process is to be completed in last week of November with the announcement of results.

## Japan National Group – Activities and Plan

### Activities during 2016-2017

//////////Japan

### 1. JSEG Investigation Team for Disaster Prevention

The JSEG Investigation team has been organized for Northern Kyushu (West Japan) flood and debris flow disaster which induced by extreme heavy rain in July, 2017. Recently, increasing number of extreme heavy hourly rain have occurred. It was about 130mm in 1 hour and 280mm in 3 hours in Northern Kyushu, July 5, 2017. This extreme heavy rain was caused by linear rainfall belt along the energetic seasonable front. This will be due to extreme weather caused by climate change. Many landslides of about 300 places occurred in narrow area and in a short period, and debris flow with many destructive driftwoods attacked houses and peoples.



Northern Kyushu Disaster, July 2017 JSEG disaster investigation team

### 2. The 4th Slope Tectonics Conference

The 4th Slope Tectonics Conference was held at the Disaster Prevention Research Institute Kyoto University on October 14-18, 2017. This conference had been held in Lausanne, Switzerland



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## EVENTS FROM NATIONAL GROUPS

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in 2008, Vienna, Austria in 2011, and Trondheim, Norway in 2014 before Kyoto. 80 papers from 14 countries were received.



Group photo of 4th Slope Tectonics Conference

### 3. 2017 Annual Meeting of JSEG

JSEG held 2017 Annual Meeting in Okayama on Oct. 12-13. About 300 JSEG members participated, and about 160 oral and poster presentations were performed. Special lecture, research of the Tsunami sediments of the previous Nankai Trough Earthquake was presented by Prof. Makoto Okamura, Kochi University. He emphasized that we should overcome one minute shock and about 8 hours continuous Tsunami of forthcoming Nankai Earthquake which occur only one time in one hundred or two hundred years.



Free meeting for activation and recruit of young members and women's members

Engineering geologists of the JSEG women's members had free meeting with other members. Main theme was "Activation and recruit of young members and women's members". This task is very important for our JSEG as sustainable society in future generation.

#### Plans for 2017-2018

1. The JSEG will hold the annual General Assembly in Tokyo on June 29, 2018. And 60th Anniversary Symposium of JSEG will be held at same venue. The theme of this symposium will be

## EVENTS FROM NATIONAL GROUPS

//////////Korea

“Disaster Experiences during recent 10 years and Message to future generation”

2. 2018 Annual Meeting of the JSEG will be held at Sapporo, Hokkaido (North Japan) on October, 2018.

3. The JSEG and IAEG Japan National Group will encourage our members to participate in next IAEG Congress in SAN FRANCISCO

### Korea National Group – Activities and Plan

#### Activities during 2016

#### 1. KSEG (Korean Society of Engineering Geology) National conference for 2016-2017

•Spring Conference 2016 was held in Booyoung resort, Jeju Island on 7 – 8 April with about 230 participants and 112 oral/poster presentation. Two invited lectures were presented; “State of art for electrical resistivity exploration” by Prof. In-Gi Jo (Kangwon National University) and “MASW for geotechnical investigation” by Choon-Byung Park (Park Seismic LLC).

•Fall Conference 2016 was held in Daemyung resort, Byunsan on 3 – 4 November with about 187 participants and 64 oral/poster presentation. Special session, titled by “Landslide Prediction and Early Warning” was organized at the conference. Prof. Filippo Catani (University of Firenze), Prof. Veronica Tofani (University of Firenze), Prof. Alessandro Simoni (University of Bologna), Prof. Matteo Berti (University of Bologna), Prof. Fawu Wang (Shimane University), and four Korean scholars were presented their research results. In addition, half-day field trip for Byunsan area was offered.

•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).

#### 2. Korea National group submitted application for holding the 12th IAEG Asian Regional Conference

The Korea National Group, the Korean Society of Engineering Geology(KSEG) has submitted an application letter to IAEG wishing to get the opportunity to host the 12th IAEG Asian Regional Conference in Jeju Island, Korea in 2019. It is planned to celebrate the 30th anniversary of the establishment of the KSEG together with the 12th ARC

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## EVENTS FROM NATIONAL GROUPS

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Spring conference of KSEG in 2016



Half-day field trip in Byun-San area

### 3. Joint Conference for “Safe Management of High-level Radioactive Waste”

On February 9 -10 2017, KSEG along with the Geological Society of Korea, Korean Radioactive Waste Society, Korean Society for Rock Mechanics and Korean Nuclear Society held joint conference for “Safe Management of High-level Radioactive Waste” at Hoam convention center, Seoul, Korea. About 300 participants were attended and 45 oral presentations including four invited lectures were presented. After the successful joint conference, MOUs among the related societies were signed on June 9th.

#### Plans for 2017-2018

(1) Fall conference of KSEG will be held at Cheong-Song, UNESCO Global Geopark, on November 9-10, 2017. On the second day of the conference, field trip for Cheong- Song area is planned.

(2) Two national conferences (April and November) for 2018 is planned. The venue for spring conference of 2018 will be Jeju island.

### Nepal National Group – Annual Report

//////////Nepal

Nepal Geological Society (NGS) revised its IAEG National Group memberships in 2016 and reshuffled national group coordinating team. Dr. Ranjan Kumar Dahal is National Group Coordinator. This year, NGS again started IAEG national group membership drives and number of national group members increased than last year. Now, IAEG Nepal National Group has 60 members, out of them, 56 members are without bulletin and 4 members are with bulletin.

Similarly, this year IAEG Nepal National Group is busy to organize 11th Asian Regional Conference of IAEG in Kathmandu on November 28-30, 2017. IAEG national group is very happy to inform you all that till 1 November 2017, the ARC-11 got more than 180 abstracts for presentations. The organizing committee already got confirmation from 250 national and international participants

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## EVENTS FROM NATIONAL GROUPS

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from more than 25 countries to participate in ARC-11. There will be 12 keynote lectures and 1 special lecture. Nepal national group is very happy to host executive and council meetings of IAEG in Kathmandu on November 24 to 26, 2017. More updates of ARC-11 is available in <http://iaegarc11ngs.com>.

This year, Nepal National Group Coordinator, Dr. Ranjan Kumar Dahal has taken initiatives and ask his Bangladeshi and Bhutanese colleagues to prepare their national groups. Bangladesh already submitted its application to prepare IAEG national group. Discussion with Bhutanese colleagues is going on.

In 2017, Nepal National Group is active in IAEG activities in Nepal and South Asia. We are sure that in coming days, we will appear with more programs and schedules.

//////////Nigeria

### Nigeria National Group – Activities and Plan

The association, which operates as a specialist group of the Nigerian Mining and Geosciences Society (NMGS) and the Nigerian National group of IAEG has continued its efforts to be a relevant force as regards the building, mining and geosciences industry in Nigeria.

#### Activities

1.Full registration with the Corporate Affairs Commission, CAC with RC number 99004.

2.The 2nd Annual International Conference took place in Lagos from 24th - 27th September, 2017. The Conference Theme was: “Sustainability of Buildings and the Environment” and Sub-themes were as follows:

- Pre-construction Investigation for buildings
- Evaluation of Naturally occurring construction Materials
- Environmental Impact Assessment
- Evaluation of Proposed Waste Disposal Sites



Group photo of the Executive committee for 2017-2018

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## EVENTS FROM NATIONAL GROUPS

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### //////////Paraguay

#### Upcoming Events

The next Annual International conference is scheduled to hold in 2018 in Port-Harcourt, Rivers State. The theme, venue as well as other pertinent information concerning the 2018 conference will be circulated in due course.

Meanwhile the quarterly technical meetings of the association will hold as usual between November 2017 and September 2018 when the next conference is proposed to take place.

#### Paraguay National Group – Activities

##### Technical Events

- Seminar “Solutions in civil, geotechnical and environmental engineering”, June 13 2016, Asunción. Sponsor: Maccaferri
- Workshop “Anchors”, 19-21 September 2016, 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).

##### Participation in Technical Events and Conference

- IV ALCONPAT Paraguay Conference, September 19-21 2016, 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).
- II Paraguayan Transportation Conference, October 6-7 2016, Encarnación. Asociación Paraguaya de Carreteras (APC).
- XVIII Brazilian Conference on Soil Mechanics and Geotechnical Engineering, October 19-22 2016. Sponsor: Asociación Brasileira de Mecânica de Suelos e Ingeniería Geotécnica (ABMS).
- VII Brazilian Symposium on Rock Mechanics, October 19-22, Belo Horizonte – Brazil. Sponsor: Asociación Brasileira de Mecânica de Suelos e Ingeniería Geotécnica (ABMS).
- XXIII Argentinian Conference on Soil Mechanics and Geotechnical Engineering, November 9-11 2016, Santa Fe – Argentina. Sponsor: Sociedad Argentina de Ingeniería Geotécnica (SAIG).

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

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## EVENTS FROM NATIONAL GROUPS

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//////////Portugal

### Portugal National Group – ActivitiesNational Group – Activities

#### **SPG Activities during 2016**

In addition to the regular correspondence from the SPG Secretariat with the General Secretary and the Treasurer of the IAEG, regarding the SPG membership which 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 Cape Town (35th International Geological Congress), South Africa on 26th August 2016, represented by Professor Ricardo Oliveira, Past President of the IAEG.

#### **Other SPG Activities during 2016**

- 4th CPT International Seminar – Tunnels, “From operation back to design”, organized by CPT (Portuguese Technical Commission of Tunnels and Underground Works) and SPG, as well as supported by ITA-AITES and BEFIPS, 4th-5th February 2015, LNEC, Lisbon, Portugal.

- SPG organized the 11th Annual meeting, on 17th March 2016 in Lisbon, Portugal.

- SPG Special Lecture, by Dr. Fernando Pardo de Santayana, researcher at CEDEX (Spain), on "Thermomechanical behaviour of the geothermal piles: PITERM project", 17th March 2016 in Lisbon, Portugal and was attended over 80 participants.

- SPG organized XV Portuguese Geotechnical Congress and VIII Portuguese-Brazilian Conference of Geotechnics on 19th-23th July 2016 in Porto, Portugal.

- 3rd International Conference on Transportation Geotechnics (ICTG'2016), organized by SPG-UM-ISSMGE, 4th-6th September 2016, Guimarães, Portugal.

- 5th Spanish-Portuguese Conference on Geotechnics, held in La Coruña, under the theme “Challenges for Geotechnics in Spain and Portugal”, 19th October 2016, Galicia, Spain.

- The XXXIII Memorial Lecture Manuel Rocha, 28th November 2016, Lisbon, was taught by Professor António Gomes Correia,

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## EVENTS FROM NATIONAL GROUPS

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University of Minho (UM, Portugal), on “Development and Innovation in Geotechnics for Transportation”.

•SPG Organizing committees, Advisory committees and Scientific committees developed an intense work during 2016 in monitoring and/or preparation of several conferences to be held in 2017/2018, such as: i) 16th Portuguese Geotechnical Congress and 9th Portuguese-Brazilian Geotechnical Congress (Ponta Delgada, Azores, May 2018); ii) 4th International Conference on Transportation Geotechnics (Guimarães, Portugal); iii) 6th Portuguese-Spanish Geotechnical Conference and 11th Spanish Geotechnical Engineering Symposium; iv) Ist Portuguese Seminar on Transportation Geotechnics (October 2017, Lisbon, Portugal); iv) XXXIV Memorial Lecture Manuel Rocha (Professor Paul Mayne, Georgia Institute of Technology), Lisbon, October 2017.

### Romania National Group – Activities

#### Activities during 2015-2016

#### //////////Romania

- General Assembly, May 20th 2016, with the themes: presentation of ARGI and Director Committee activity; presentation of Soldata Company, Detection and Monitoring Solutions, approval of the new web site format.
- Continuous support for the "Octogon", student association for Engineering Geology associated to the Faculty of Geology and Geophysics; active members of ARGI presented in several sessions (7th January 2016) 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 2016” organized by the Faculty of Geology and Geophysics, University of Bucharest, on 25<sup>th</sup> of November 2016 with participation of the European Association of Geoscientists and Engineers (EAGE).
- Participation at the XIII<sup>th</sup> National Conference of Geotechnics and Foundations, CNGF Cluj Napoca, September, 2016.
- 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.

**Russia National Group – Activities****Conference and Workshop**

The nineteenth annual conference “Sergeevskie chteniya” in commemoration of academician E.M.Sergeev was organized by the Scientific Council RAS in Moscow on April 4-5, 2017 with the financial support of the Russian Foundation for Basic Research (project no. 17-05-20037). The conference discussed the topic “Geoenvironmental safety upon the development of mineral deposits” and was held within the framework of the Year of Ecology in Russia.

The conference was attended by 155 participants from 203 cities of Russia, Azerbaijan, Kirgizia and Uzbekistan. The volume of Conference Proceedings was traditionally published (Sergeevskie chteniya, issue 19, Moscow, RUDN Publ., 2017, 590 pp.).

**E.M. Sergeev’s Medal**

E.M. Sergeev’ medal “For the Outstanding Contribution to Engineering Geology and Environmental Geosciences” is a professional award in the Russian engineering geology and environmental geosciences. In 2017, the E.M. Sergeev’s medal E.M.Sergeev was awarded at the conference “Sergeevskie chteniya” to the distinguished Russian engineering geologists, members IAEG: I.V. Dudler, O.N.Gryaznov, V.A. Korolev, V.S. Krupoderov, V.V. Pendin, G.P. Postoev. This medal was also awarded to the outstanding Chinese scientist, past President IAEG (1998-2002), academician Chinese Academy of Sciences, Prof. Sijing Wang in recognition of his significant input to the development of engineering geology and strengthening of international scientific ties within IAEG. V.I. Osipov handled this medal to the Chinese national group IAEG on the occasion of Shaoxing International Forum on Rock Mechanics and Engineering Geology.



Award Ceremony

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## EVENTS FROM NATIONAL GROUPS

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### Other Activities

In the year 2017, members of the Russian national group IAEG are taking part in the international IAEG activities. Researchers from IEG RAS and Perm State University submitted 9 contributions to the 11th Asian Regional Conference of IAEG “Engineering Geology for Geodisaster Management”(November 28-30, 2017, Kathmandu, Nepal).

Members of the Russian national group, namely, V.I. Osipov, V.N. Sokolov, D.O. Sergeev, A.L. Strom, O.V. Zerkal, A.I. Kazeev are involved in the activities of IAEG Comissions C-21 “Engineering geology of permafrost regions”; C-24 "Neotectonics and natural hazard", C-29 “Structure and Behavior of Rock and Soil”, and C-37 “Nomenclature of landslides”.

I.V. Galitskaya, and O.N.Eremina are the members of the Editorial Board of Bulletin of Engineering Geology and the Environment.

### Serbia National Group – Activities

//////////Serbia

- Active international cooperation – members of IAEG Serbian National group were active in the work of C37 Commission on Landslide Nomenclature (Ljubljana, 01/06/2017)

- IAEG National Group Serbia organized 15th Symposium on Engineering Geology and Geotechnics in Belgrade (Serbia), on 22-23rd September 2016. Symposium was held in Great Hall of "Railways Serbia" in the center of Belgrade, which was sponsored by 14 institutes.

Approximately 100 participants attended the symposium, which was supported by the IAEG, Academy of Engineering Sciences of Sebia and Serbian Chamber of Engineers. Near 40 papers were submitted for the symposium. Oral presentation were divided according to the aforementioned topics.



Photos from the symposium



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## EVENTS FROM NATIONAL GROUPS

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//////////Singapore

### Singapore National Group – Activities

#### **Seminar on “On-Site Visualization as a New Strategy for Risk Management in Civil Engineering”**

This seminar was given by Professor Shinichi Akutagawa, Kobe University, Japan, 21 December 2016, and jointly organized by Nanyang Centre for Underground Space (NCUS) and SRMEG. It presented a new platform whereby visually shared information about structures in concern would enable advanced safety management in civil engineering projects.

#### **SRMEG Evening Lecture & Networking Night 2017, 13 January 2017**

This lecture on “Recent Development in Underground Space Use in Singapore “ by Dr. Zhou Yingxin was held at Mandarin Orchard Hotel and was well attended by 57 members. This lecture provided a review of advances in underground space development, highlighted some key challenges, discussed the various recent studies and planning issues, and examined possible strategies for future use of underground space in Singapore.

#### **SRMEG Outstanding Paper Award 2016/2017**

The SRMEG Committee served as the judges for the paper portion of the SRMEG Outstanding Paper Award while Dr. Cai Jungang (SRMEG Vice President), Prof. Leung Chun Fai (Professor, National University of Singapore) and Dr. Oskar Sigl (Managing Director, Geoconsult Asia Singapore Pte Ltd) served as the judges for the presentation portion of the SRMEG Outstanding Paper Award.

#### **Seminar on Design, Construction and Management of Common Utility Tunnels, 15 February 2017.**

This seminar by Professor Raymond Sterling was jointly organized by Nanyang Centre for Underground Space (NCUS) and SRMEG. This seminar covered the major issues that control the planning, design, construction, operation and management of underground utility tunnels. The utility investment issues, access control issues and management issues for such systems as well as the types of utilities typically allowed in utilidors and the construction methods most suitable for their construction were also discussed.

#### **12th Annual General Meeting**

The 12th SRMEG AGM was held on 8 March 2017 (Wednesday), at Pan Pacific Hotel Singapore. A new committee was elected on the meeting.

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## EVENTS FROM NATIONAL GROUPS

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### **SRMEG Workshop on Engineering Geology, 13 July 2017**

This one-day workshop was organized by SRMEG with the support of GeoSS and held at Singapore Management University, School of Economics & Social Sciences. It aimed to provide a link between the knowledge of geology and its engineering applications in underground construction and rock cavern space development. It presented and discussed systematically the fundamentals of engineering geology and best practices both internationally and within the context of Singapore.

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

ARMS10 preparation is going smoothly, and the call for paper abstract submission has been sent to many potential participants. 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 IAEG board to organize the 13th Asian Regional Conference of the international association for engineering geology and the environment (IAEG) 2021. SRMEG will officially present the proposal in Nov 2017 in Nepal during the 11th Asian Regional Conference of the international association for engineering geology and the environment (IAEG).

### **Slovak Republic National Group**

//////////Slovak

#### **SNG members in cooperation with the SAEG participated in 2016**

- organizing of 8-th conference Engineering geology 2016 which took place in High Tatras in June 16-17. The conference was dedicated to jubilee of prof. Rudolf Ondrášik, DrSc. Together 138 participants attended the conference and presented and published 48 scientific papers in conference proceedings.
- organizing of 19-th seven-day field trip for students, teachers and scientists to Austria and Italy in September (geology of Alpy Mts., landslides, slope stability of water reservoirs, historical quarries and use of natural construction materials) (M. Brdnárik, R. Holzer),
- participation on scientific research activities focused on
- monitoring of the slope stability determined by geophysical methods, 2013-2016 (M.Bednárik).

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## EVENTS FROM NATIONAL GROUPS

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- determination of critical parameters of landslide activity, 2014-2016 (M.Kopecký),

SNG has traditionally very close and intensive co-operation with the IAEG Czech National Group and other foreign institutes like: Greece (IGME Athens), Austria (Technical University in Vienna, University of Natural Resources and Applied Life Sciences in Vienna), Switzerland (ETH Zürich), Japan (University of Kyoto and Niigata), Budapest (Technical University), Italy (University in Parma). SNG members in cooperation with the SAEG helped organizing 20-th seven-day field trip for students, teachers and scientists to Austria and Italy in September 2017.

### //////////Spain

#### Spain National Group

In the last quarter of the year General Assembly was celebrated and re-elected the board of the Association.

New associates under the status of “Student associated member” were received in the Association, taking of advantages of the very convenient condition offered in order to attract young professionals.

For the new course, a journey is scheduled in combination with associate members incorporated recently.

### //////////Sweden

#### Sweden National Group – Activities

The Swedish Society of Engineering Geology (Byggnadsgeologiskommittén, BGS) has during 2016 arranged a number of well-attended seminars/workshops where topics such as “Expert agency – what support could they give the consultants?” and “Updating the geological map of Stockholm” has been discussed.

One focus for the society during 2016 and 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. BGS has actively contributed to this work with development of courses both related to rock, ground water and geological properties of ground.

Every year BGS arrange an excursion to a, from an engineering geology perspective, interesting site. In 2016 the excursion was a combined boat-trip and visit to one of the major infrastructure project in Stockholm called "Förbifarten". A project that includes

## EVENTS FROM NATIONAL GROUPS

some interesting tunnel aspects. This event is technical interesting but also an important event for networking.

To highlight the importance of Engineering Geology to the society, BGS participate in the yearly event “The day of Geology” that take place at Swedish Museum of Natural History in September.

### Switzerland National Group – Activities

Compared to 2015, the number of members in 2016 increased slightly. The board in 2016 was consisted of 11 persons, and had four meetings with five main subjects.

- Handling the usual dealings
- Organization of the general assembly in Olten and a conference with the topic: “Importance and handling of hazard scenarios in the engineering geology”;
- Election of a new chief editor for the Swiss Bulletin;
- Constitution of a team with the target to make engineers, architects, officials from construction departments and prospective students familiar with the kind of work they do and show the importance of their contribution to construction projects;
- Common board meeting with CHGeol and hydrogeologists.

//////////Switzerland

### Turkey National Group – Activities

#### Meetings of the Executive Committee on 3 February & 12 April 2017

Executive Committee of the Turkish National Group of Engineering Geology had a meeting in The Department of Geological Engineering in Hacettepe University on 03 February 2017. New membership applications were evaluated, preparations of National Engineering Geology and Geotechnics Symposium (MUHJEO’2017) to be held in Adana between 12-14 October, 2017 were discussed, and next issue content of Bulletin of Yer Mühendisliği (Geo-Engineering) was discussed.

In addition to that, evaluation jury members of Kemal Erguvanlı Engineering Geology Awards applications on the categories of bachelor thesis (6 applications), master thesis (5 applications), and scientific paper (5 applications) were determined.

//////////Turkey



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## EVENTS FROM NATIONAL GROUPS



Executive Meetings

Executive Committee meeting at Hacettepe University in Ankara on 03.02. 2017. Executive Committee of the Turkish National Group of Engineering Geology had a meeting in The Chamber of Geological Engineering in Ankara on 12 April 2017. The winners of Kemal Erguvanlı Engineering Geology awards were determined according to the evaluation of jury reports.

In addition to that, preparation of April 2017 issue of Bulletin of Yer Mühendisliği (Geo-Engineering) were discussed. The executive committee members were informed about the new developments of preparation of MUHJEO'2017 Symposium to be held in Adana in 12-14 October 2017.

### **General Assembly of Turkishi National Group**

General assembly of Turkish Society for Engineering Geology was hold on 10 June, 2017 in the congress room of the Turkish Chamber of Geological Engineering in Ankara. In the meeting, annual activity report of the executive committee and the inspection committee report of the society were explained to the members of the society.

### **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

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## EVENTS FROM NATIONAL GROUPS

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2017. The website of the symposium is accessible at

[www.muhjcoder.org.tr](http://www.muhjcoder.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.

### **Appreciation plaques**

were given to former president of Prof. Dr. Reşat Ulusay and former secretary general Prof Dr. Mehmet Ekmekçi Appreciation plaques was given to keynote speaker Prof. Dr. Mahir VARDAR for giving opening lecture of the National Symposium on Engineering Geology and Geotechnics-MUHJEO'2017.

### **Erguvanlı Engineering Geology Awards**

The Erguvanlı Engineering Geology Awards are given to honor the memory of Prof. Dr. Kemal

Erguvanlı, who is the founder of engineering geology in Turkey, and to promote outstanding

young researchers in the field of engineering geology.

### **Prof. Dr. Reşat Ulusay was elected ISRM President for the term 2019-2023**

Two nominations for President of the ISRM for the term 2019-2023 were received. One of the

candidates was Prof. Resat Ulusay (nominated by the Turkish National Society for Rock Mechanics), who was elected as the next ISRM President. He became the member of the ISRM Board as the "President Elect". He will start his term of office after the 14th International Congress of the ISRM, which will take place in Foz do Iguaçu, Brazil, in September 2019.

### **UK National Group – Activities**

//////////UK

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

In 2016 the Glossop Lecture took place at the Royal Institution on the 1st of November. An audience of over 150 people heard the 17th Glossop medallist, Professor David Norbury, give the

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## EVENTS FROM NATIONAL GROUPS

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Glossop Lecture on ‘Standards and Quality in Ground Investigation – squaring the circle.’ 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 Professor David Norbury.

The 19th Glossop Award (awarded to fellows of the Geological Society under 30) was awarded this year to Scott Davidson, who gave an excellent presentation “Adding value through identifying risk and opportunity”.

The 2016 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 ran a number of well-attended events last year, with a mixture of half-day, one day and evening meetings. EGGS/IAEGUK also webcast a number of our evening events this year. A summary of the events is given below:

2016

#### •September

Buried Hollows in the London Basin & Surrounds: Establishing the Ground Model

#### •October

Aberfan 50 years on: The Ground Engineering Legacy – a joint meeting with the IAEG UK & South Wales Regional Group of the Geological Society

#### •November

Glossop meeting (see above)

#### •November

Military Aspects of Engineering Geology: Past and Present – a joint meeting with History of Geology Group of the Geological Society

2017

#### •January

Quaternary engineering geology: implications for glaciated &

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## EVENTS FROM NATIONAL GROUPS

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periglaciated terrains – a joint meeting with QRA ADM 2017

- February

Engineering and Hydrological Effects of Inversion in the London Basin at Limmo

- February

Wylfa Power Station - Rock Mass Classification and Engineering Seismology – A joint meeting with the British Geotechnical Association.

- March

Engineering Geology and Risk: Off-shore Glacial Deposits Around the UK.

- April

Factors Affecting Mid-Latitude Quaternary Landscape Change

- May

Rock slope engineering A1 Tyneside

- June

Glacial Deposits: Depositional and Deformational Processes & Engineering Characteristics.

### USA National Group – Activities

//////////USA

#### **AEG's 2017 officers:**

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

#### **Activities**

GSA-EGD's 2017 annual meeting will be in Baltimore, Maryland, and their 2016 annual meeting will be held in Denver, Colorado, September 25-28. The GSA 2017 annual meeting will be in Seattle, Washington from Oct. 22-25, while their 2018 meeting will be in Indianapolis, Indiana, November 4-7.

AEG's 2016 annual meeting was held in Colorado Springs, Colorado, with over 500 attendees. AEG's 2017 annual meeting will be held in San Francisco, California, Sept. 16-22, as a joint meeting



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## EVENTS FROM NATIONAL GROUPS

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with IAEG.

In 2016, AEG hosted a Naturally Occurring Asbestos conference in Oakland, CA. AEG is also hosted the 3rd North American Symposium on Landslides in Roanoke, Virginia, June 4-8 2017. This series of symposia was started in 2007 in Vail, Colorado, and continued in 2012 in Banff, Alberta. The meeting was a technical and financial success.

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 communications, this has not yet been achieved.

## C1-Engineering Geological Characterization and Visualization

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 are in motion for IAEG commissions to be featured in San Francisco at the 2018 IAEG Congress. 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 an inactive condition with the intent of holding a well-publicized Commission meeting at the 2018 IAEG Congress. Additional efforts are needed to develop and improve recognition of the importance of C1 in regional conferences co-sponsored by IAEG.

## C10-Building Stones and Ornamental Rocks

The main focus of the IAEG C10 in recent years has been to coordinate activities with the “International Union of Geological Sciences” Heritage Stone Task Group (IUGS HSTG) with support from the International Geoscience Programme via IGCP Project 637.

In 2017 focus has been on organising the new commission, e.g. preparing terms of reference, the new board etc, and also to plan for the Global Stone Congress (GSC2018) in Brazil 2018. Here Dr Maria Heloisa Barros de Oliveira Frascá has been very active and GSC2018 is the main stone congress in 2018.

[www.globalstonecongress2018.com.br](http://www.globalstonecongress2018.com.br)

Prof. Lola Pereira has prepared a seminar in Salamanca focusing on stone and heritage stones. It is worth mentioning that 2018 is the

year of Cultural heritage in Europe. The members have also been active in planning for the annual EGU congress in Vienna, now a session in collaboration with the geoheritage group.

The “Global heritage stones” website ([www.globalheritagestone.com](http://www.globalheritagestone.com)) is still active, providing information for both C-10 and IUGS/Geoheritage stones sub-commission.

#### **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. Standards within CEN TC 246 and 178 are under revision. Collaboration between European standardisation and American (ASTM) is established and proving constructive.

## **C17-Activities**

### **General Information**

The Commission was established in Vancouver, September 20, 1998. This organisation encompasses members in over 21 countries. All members are encouraged to share their knowledge and contribute to the aggregate industry. Commission on Aggregates (C17) and Environmental Aspects of Construction Materials (C27) were merged on September 2015.

### **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 relationship between UEPG (European Aggregates Association).
- Ready Mix Concrete Congress was held on, 13-14 April 2017 in Istanbul, 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, 23-28 April 2017.
- A special Session on Aggregates was organised during 70th Geological Congress on 11-14 April 2017 that was organized by Turkish Chamber of Geological Engineers.
- IV. International Stone Congress was organised in Izmir, Turkey on

20-25.03.2017. One of the session was on “Aggregates”. President gave a lecture on the Turkish Aggregate Industry.

- President and Secretary of the Commission will attend to the 11th Asian regional Conference, in Kathmandu and will organise a commission meeting.

- VI. Global Stone Congress is organising in Brasil, on 26-29 April 2018. One of the theme of the Congress will be on Aggregate Industry.

- A special Symposium on Aggregates is organised during IAEG/AEG 2018 Congress in San Francisco, USA.

## C24-Activities

### **Emergency geohazard disposal in active tectonic zones**

- On June 24, 2017, a catastrophic landslide occurred in Maoxian County, Sichuan Province, China, with a result of 83 deaths. The chair of C24 guided and conducted an emergency disposal by combining members of China Geological Survey with the local ones.

- On August 8 2017, an earthquake (M7.0) occurred at Jiuzhaigou, Sichuan Province, China. This earthquake caused 25 deaths and more than 500 injuries. After the earthquake, Prof. Yueping Yin guided a quick seismic geo-hazards investigation and the relevant risk zoning map compiling, which supplied a strong support for post-disaster emergency work.

- On Aug. 28, 2017, a catastrophic rock fall with over 30 casualties was broken out in Nayong County of Guizhou Province, China. And then, the members from the Institute of Geomechanics of CAGS, the attached unit of C24, produced some related RS maps so as to support the hazard identification.

### **Academic activities**

- A seminar was held by C24 and the China Geo-disasters Research Branch on Oct.10-12, 2017 in Hangzhou, China.

- "Regulations of monitoring technology of stress and strain on geo-disaster" (Chinese version) and "Regulations of InSAR monitoring technology on geo-disaster" (Chinese version) edited by C24 core members were promulgated in March 2017 in China.

- The C24 core members attended "The 15th International Symposium on Geo-disaster Reduction ISGdR" held on Aug, 25-30 in Japan.



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- The C24 core members attended the "2017 Joint Academic Conference of Chinese Earth Science" held on Oct.15-18 in Beijing, China.

- On Oct. 26-31, the "2017 National Engineering Geology Academic Convention" will be held in Guilin, China.

### C29-Structure and Behavior of Soil and Rock Mass

- The commission chairman and the core members are organizing the "Symposium on Quaternary Environment of Mountain area and Urban Construction" to be held in Quzhou, Zhejiang Province, in Nov. 12-13, 2017.

- A cooperation between C29 and the Management Committee for Scenic Area of Fangshan Mountain- Changyudongtian Underground caverns (World geopark), the target of the cooperation is mainly focused on the geomorphology, the quarrying culture, the rock mass structures of slopes and caverns and other popularization of science work. The chairman Prof.HU Ruilin went to Changyudongtian and have a discussion with the chair of the park determining the cooperation between C29 and the management department of the park.

### C34-Activities and Plans

#### Activities

(1)Host the first International Symposium on Marine Engineering Geology

The first International Symposium on Marine Engineering Geology (ISMEG2016) was held in Qingdao, China, from 21st to 23rd, October, 2016. The symposium was jointly sponsored by the Marine Engineering Geology Commission (C34), International Association for Engineering Geology and the Environment (IAEG) and the Ocean Geological Commission of the Geological Society of China Geological Society, and was jointly hosted by Ocean University of China, Shandong Province Key Laboratory of marine environment geological engineering and Qingdao National Laboratory for Marine Science and Technology. More than 200 participants, including experts, professors and young scholars from 68 colleges, research institutes and publishing houses at home and abroad, attended the symposium, showing the rapid development of marine engineering geology in recent years.



The first International Symposium on Marine Engineering Geology

## (2) Host the Advanced Short Course on Offshore Cone Penetration Test and Geotechnical Test

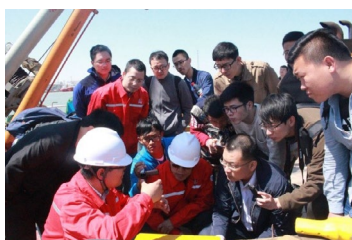
The course was lectured by Tom Lunne, a senior consultant in Norwegian Geotechnical Institute and a world-class expert in in-situ investigation, and Shaoli Yang, a senior engineer of Norwegian Geotechnical Institute. More than 40 trainees from 28 companies or universities including China Petrochemical Corporation, China National Petroleum Corporation, China National Offshore Oil Corporation, PowerChina Huadong Engineering Corporation, Shanghai Survey and Design Institute, Tongji University, Zhejiang University, Southeast University,, got benefits from the lecture.



Tom Lunne in presentation



Shaoli Yang in presentation



Demonstration of offshore cone penetration test

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

From August 11 to August 27, the International Association for Engineering Geology and the Environment (IAEG-C34) successfully completed the survey of north slope of the South China Sea. The survey was conducted by the Ocean University of China "Dongfanghong 2" scientific expedition ship, with the chairman of IAEG-C34, Professor Jia Yonggang being chief.



Attendees Photo of the NSFC Open Research Cruise

#### **Plan for 2017-2018**

- Organize the technical session, Coastal Hazards: Marine & Coastal Processes, during the XIII IAEG Congress which will be held in San Francisco, California, USA on September 17-21, 2018.
- Develop monitoring technique and its sea trials for engineering geological conditions and geologic hazard processes in the South China Sea.
- Promote substantial international cooperation based on the approved IAEG-IRP.
- Set up international standards on the in-situ surveying and observing for engineering geology in deep sea.

#### **C35-Monitoring Methods and Approaches in Engineering Geology Application**

In 2017, the Commission C35 continued the collection of case studies and methodologies related to the use of Remotely Piloted Aerial Systems (RPAS) for engineering geology applications.

Several members of the working group proposed in 2016 answered to the call, and some case studies that describe possible RPAS applications for the study of debris flows, landslides and infrastructures damaged by earthquakes have been collected.



The Summer School participants on the top of Punta Helbronner Skyway (3,466 m a.s.l.).

In the back of the picture, the top of the Mont Blanc (Mont Blanc de Courmayeur).

The Summer School program presented a description of the dynamics of the Grandes Jorasses and Planpincieux glaciers, those of the Miage and Brenva debris-covered glaciers and the recent evolution of the Mont de la Saxe landslide. In addition, the course also analyzed the latest results of studies related to the highest rockwalls of Mont Blanc that have recently been affected by numerous large rocky landslides. The increase of these phenomena has been related to the permafrost degradation due to climate change.

### C36-Activities

#### **The 4th International Symposium on Unsaturated Soil Mechanics and Waste Disposal (UNSAT-WASTE 2017)**

It was successfully held in Shanghai, China on July 14-16th, 2017. The symposium was organized by Tongji University, Ecole des Ponts ParisTech (France) and SKL of Geomechanics and Geotechnical Engineering under the auspices of the Commission on Waste Disposal of IAEG (C36), the Technical Committee on Unsaturated Soils and Energy Geotechnics of ISSMGE, the Commission on Underground Waste Disposal of CSRME and Technical Committee on Unsaturated and Problematic Soil of CISMGE-CCES.



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## REPORTS FROM COMMISSIONS

During the symposium, theoretical developments, laboratory experiments and field testing and numerical analyses related to unsaturated soil mechanics, disposal of high-level radioactive waste and municipal waste, as well as CO<sub>2</sub> storage were reported and discussed on the symposium. More than fifty articles were collected in the proceedings. Outstanding papers were selected to publish in a special issue of Engineering Geology and Journal of Rock Mechanics and Geotechnical Engineering.



Group Photo of UNSAT-WASTE 2017

### **The 8th International Congress on Environmental Geotechnics**

It was held in Hangzhou on 28th Oct - 1st Nov., 2018. This conference will be organized by Zhejiang University, The Chinese Institution of Soil Mechanics and Geotechnical Engineering, and the Hongkong Geotechnical Society, under the auspices of TC 215 Environmental Geotechnics, ISSMEG, the Commission on Waste Disposal of IAEG (C36), etc.

## **C37-Activities**

### **Activities in 2016-2017**

#### **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.

#### **Five tasks continued**

- Rate of Landslide Movement (Lead: Hengxing Lan)

## REPORTS FROM COMMISSIONS

- Water Condition (Lead: Ann Williams)
- Types of Material (Lead: Kurosch Thuro)
- Landslide Risk (Lead: Jordi Corominas)
- Updating Type of Landslide (Lead: Alexander Strom)

### Three new tasks were set up

- Landslide volume classes (Lead: Phil Flentje)
- Landslide instrumentation (Lead: David Elwood)
- Compilation of Case histories (Lead: Srđan Kostić)

### IAEG C37 second meeting:

The commission held its second meeting in June 1th, 2017, at the 4th World Landslide Forum in Ljubljana, Slovenia. The subjects discussed were:

- The progresses of current five tasks were reported and reviewed
- Five tasks that were continued were matter of discussion and update
- Three new tasks were set up and leaders for the tasks were appointed
- The working procedure was emphasized



Group photo of second meeting of C37 (LJUBLJANA, June 01, 2017)

# /8. CALL FOR NOMINATIONS OF PRIZES AND HONORARY MAMBERSHIP

## 8-1 Call for Nominations of IAEG Hans Cloos Medal for 2018



<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:	Mr. Yogendra Deva
Australasia:	Dr. Mark Eggers
Europe:	Prof. Giorgio Lollino
	Prof. Rafiq Azzam
North America:	Dr. Jeffrey Keaton
South America:	Dr. Maria Heloisa Frascá

### CALL FOR NOMINATIONS OF IAEG HANS CLOOS MEDAL FOR 2018

All National Groups, the members of Executive Committee and the Council,

The Hans Cloos Medal for 2018 will be awarded by IAEG at the occasion of 13th IAEG Congress (September 17-21, 2018, in San Francisco, USA). This letter is to call for the nominators of this medal.

The Hans Cloos Medal, awarded biannually, is the senior award presented by IAEG, given to an engineering geologist of outstanding merit in commemoration of the "founder of geomechanics". The recipient should therefore be a person of international repute who has made a major contribution to engineering geology in his/her written papers or to the development of engineering geology.

Candidates should be members of IAEG. Nomination will normally be made by a National Group but members of the Executive Committee and Council may also propose individuals.

The Nominations should be sent to the Secretary General before April 1st, 2018 including the following documents:

- a copy of the nominee's curriculum vitae ;
- a list of publications, identifying the three most important papers ;
- a statement of support for the nominee which should not be longer than two single spaced typed A4 pages.

The winner, selected by Executive Committee, will be announced before June 1<sup>st</sup>, 2018.

For more information please refer to Bylaws Part E. Awards and Prizes.

Best regards,

*Faquan Wu*

Professor Faquan Wu  
Secretary General, IAEG  
Shaoxing University  
No.508,Huanchengxilu,Shaoxing City,Zhejiang Province,312000,China  
Tel/Fax:+86-0575-88346552 +86-0575-88346551  
Email: iaegsg@163.com



## 8-2 Call for Nominations of IAEG Marcel Arnould Medal 2018



<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 Frasca

### CALL FOR NOMINATIONS OF IAEG MARCEL ARNOULD MEDAL 2018

All National Groups, the members of Executive Committee and the Council,

The next Marcel Arnould Medal for 2018 will be awarded by IAEG at the occasion of 13th IAEG Congress (September 17-21, 2018, in San Francisco, USA). This letter is to call for the nominators of this Medal.

The Marcel Arnould Medal is named after one of the founders of IAEG, a former President and Honorary President, and as such is awarded to an IAEG member who has made a significant contribution to the engineering geology profession in their region and given outstanding service to the Association. The Medal may be awarded every two years, consists of a suitably engraved medal, including the name of the recipient, together, with a certificate honoring the contribution of the recipient to engineering geology.

The candidates should be members of IAEG. Nominations will normally be made by National Group but members of the Executive Committee and Council may also propose individuals.

The Nominations for the candidates should be sent to the Secretary General before April 1st, 2018 including the following documents:

- a) a copy of the nominee's curriculum vitae ;
- b) a statement of support for the nominee which demonstrates the candidate's service to the IAEG and to the engineering geological profession in his/her region and/or given outstanding service to the Association. The statement should not be longer than two single spaced typed A4 pages.

The winner, selected by Executive Committee, will be announced before June 1st, 2018.

For more information please refer to Bylaws Part E. Awards and Prizes.

Best regards,

*Faquan Wu*

Professor Faquan Wu  
Secretary General, IAEG  
Shaoxing University  
No.508,Huanchengxilu,Shaoxing City,Zhejiang Province,312000,China  
Tel/Fax:+86-0575-88346552 +86-0575-88346551  
Email: iaegsg@163.com

### 8-3 Call for Nominations of IAEG Richard Wolters Prize for 2018



<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 Frasca

#### CALL FOR NOMINATIONS OF IAEG RICHARD WOLTERS PRIZE FOR 2018

All National Groups, the members of Executive Committee and the Council,

The next Richard Wolters Prize for 2018 will be presented by IAEG at the occasion of 13th IAEG Congress in San Francisco, California on September 17-21, 2018. This letter is to call for the nominators of this Prize.

The Richard Wolters Prize has been awarded biannually since 1986 to commemorate the life and work of Dr Richard Wolters, his significant achievements in the advancement of engineering geology and his important role in the development of the IAEG. The Richard Wolters Prize specifically recognises meritorious scientific achievement by a younger member of the engineering geology profession. The candidates should be members of IAEG and less than **35 years** of age on 1<sup>st</sup> January 2018 in which the award is to be made.

The Nominations for the candidates should be sent to the Secretary General before May 15, 2018 including the following documents:

- a) a copy of the nominee's curriculum vitae ;
- b) a list of publications, identifying the three most important papers ;
- c) a statement of support for the nominee which should not be longer than two single spaced typed A4 pages including confirmation that the candidate will attend 13th IAEG Congress where the Prize is to be contested.

Competition will be held during 13th IAEG Congress (in San Francisco, California on September 17-21, 2018).

For more information please refer to Bylaws Part E. Awards and Prizes and the attached RWP procedure.

Best regards,

*Faquan Wu*

Professor Faquan Wu  
Secretary General, IAEG  
Shaoxing University  
No.508,Huanchengxilu,Shaoxing City,Zhejiang Province,312000,China  
Tel/Fax:+86-0575-88346552 +86-0575-88346551  
Email: iaegsg@163.com



## 8-4 Call for Candidates of Honorary Membership



<b>President:</b>	Prof. Carlos Delgado
<b>Past President:</b>	Dr. Fred Baynes
<b>Secretary General:</b>	Prof. Wu Faquan
<b>Treasurer:</b>	Mr. Pierre Potherat
<b>Vice Presidents</b>	
Africa:	Dr. John Stiff
Asia:	Prof. Huang Runqiu
Australasia:	Dr. Ann Williams
Europe:	Prof. Atiye Tugrul
	Dr. Ian Jefferson
North America:	Dr. Réjean Couture
South America:	Dr. Silvina Andrea Marfil

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IAEG Secretariat:  
Institute of Geology and Geophysics, Chinese Academy of Sciences  
No. 19 Beituchengxilu, Chaoyang District, Beijing, 100029, CHINA  
Tel./Fax: +86 10 8299 8284, Mobile: +86 13910509506  
Email: [iaegsg@163.com](mailto:iaegsg@163.com)

### CALL FOR CANDIDATES OF HONORARY MEMBERSHIP

All National Groups, members of the Executive Committee and the Council,

This is a call for nominations of Honorary Membership of IAEG.

According to statement in the Bylaw, Honorary membership is proposed by the Executive Committee on grounds of exceptional services to the Association. Approval by the Council is needed by a two-third majority vote. Propositions refer to members with no current activities within the Executive Committee of the Association. Propositions should be given by a well documented report from one of the National Groups or one of the members of the Executive Committee. Honorary members are listed separately in the directory of the Association and are not required to pay membership fees.

Please send the following materials to the Secretary General before April 1<sup>st</sup>, 2018:

1. A recommendation letter introducing the candidate by one of the National Groups or one of the members of the Executive Committee;
2. A CV of the candidate.

The winner, selected by Executive Committee, will be announced before June 1st, 2018.

Best regards,

*Faquan Wu*

Professor Faquan Wu  
Secretary General, IAEG  
Shaoxing University  
No.508,Huanchengxilu,Shaoxing City,Zhejiang Province,312000,China  
Tel/Fax:+86-0575-88346552 +86-0575-88346551  
Email: [iaegsg@163.com](mailto:iaegsg@163.com)

# /9. CALL FOR NOMINATIONS OF OFFICERS OF IAEG EXECUTIVE COMMITTEE FROM 2019 TO 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. Rafiq Azzam
North America:	Dr. Jeffrey Keaton
South America:	Dr. Maria Heloisa Frascá

IAEG Secretariat:  
Shaoxing University  
No. 508 Huanchengxilu, Shaoxing City, Zhejiang Province, 312000, CHINA  
Tel./Fax: +86 -0575 -8834 6551, Mobile: +86 13910509506  
Email: [iaegsg@163.com](mailto:iaegsg@163.com)

## Call for Nominations for Officers of IAEG Executive Committee for 2019-2022

All National Groups and members of the Executive Committee and the Council,

This is a call for nominations for officers of IAEG Executive Committee for 2019-2022 including president, vice presidents for geographic regions, secretary general and treasurer. Based on the current state, the geographic regions are divided into seven parts i.e. Africa, Asia, Australia, Southern Europe, Northern Europe, Southern America and Northern America, each with a vice president for responsible region.

Please send the following materials to the Secretary General before May 15, 2018

- 1) A formal recommendation letter signed by the recommender;
- 2) A CV of the candidate;
- 3) A statement of the candidate for his/her plan of performance.

For more detailed information please refer to the IAEG Bylaws Part A 4.0.

Best regards,

*Faquan Wu*

Professor Faquan Wu  
Secretary General, IAEG  
Shaoxing University  
No.508,Huanchengxilu,Shaoxing City,Zhejiang Province,312000,China  
Tel/Fax:+86-0575-88346552 +86-0575-88346551  
Email: [iaegsg@163.com](mailto:iaegsg@163.com)

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## MEETING INFORMATION FROM 2018 TO 2019

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**Ponta Delgada, Azores, Portugal, May 27th – 30th, 2018**

### 16th National Geotechnical Congress

The 16th National Geotechnical Congress (16CNG) will be held for the first time at S. Miguel Island, Azores, Portugal, from May 27th to 30th 2018, and is being organized by the Azorean Regional Laboratory of Civil Engineering (LREC) together with the Portuguese Geotechnical Society (SPG).

As SPG's main event, held every two years since 1985, the National Geotechnical Congress aims to contribute to the knowledge update and exchange of experience in the Geotechnical field. The Congress will have plenary sessions with keynote lectures by invited renowned expert speakers and parallel sessions for the presentations of communications.

The official conference website: <http://16cng.civil-event.pt/>

For further information, please contact: [16CNG@azores.gov.pt](mailto:16CNG@azores.gov.pt)

#### **Theme and Main Thematic Areas**

Theme: Geotechnical, Natural and Geotechnical Risks and Sustainability

Main Thematic Areas:

- In situ geotechnical characterization
- Natural and geotechnical hazards
- Foundations, excavations and underground works
- Ground Improvement
- Seismic engineering in geotechnical constructions
- Slopes
- Environmental Geotechnics, Planning and Sustainability
- Geothermics
- Dams and landfills
- Geotechnical engineering for mining works
- Harbor and port geotechnics

This Congress also receives the 6th Portuguese-Spanish Geotechnical Conference under the theme “Geotechnical works on volcanic terrain”, and a Workshop concerned to debris flows. The participants can visit a Technical Exhibition, with geotechnical institutions and companies.

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## MEETING INFORMATION FROM 2018 TO 2019

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### Events on the last day

There will be some technical visits around the island of São Miguel. A wide social program will also be organized for participants and accompanying persons, including two geo-touristic tours, pre and post-congress, to the islands of Santa Maria and Terceira.

Due to the beauties of its volcanic environment, and its geographic, cultural and gastronomic specificities, the realization of this 16th edition in Azores offers an excellent opportunity to combine the technical-scientific interest with the tourist aspect, on visiting, at least, S. Miguel Island.

### Copenhagen, Denmark, June 11th – 14th, 2018

#### 80th EAGE Conference and Exhibition 2018

The EAGE Annual 2018, the 80th Conference & Exhibition is the largest and most comprehensive multi-disciplinary geoscience event in the world. The event includes a large conference - in total over 1,000 technical oral and poster presentations - and a technical exhibition presenting the latest developments in geophysics, geology and reservoir/petroleum engineering. More than 6,000 people from almost 100 different countries visit this event annually.

The official conference website is: <https://events.eage.org/en/2018/eage-annual-2018>

#### Conference Date and Location

Conference: June 11th-14th, 2018

Venue: Bella Center Copenhagen, Denmark

Deadline for abstract : January 15, 2018, 23 :59hrs (GMT +1)

Pierre Lanfranchi, Chair of the Local Advisory Committee Copenhagen, welcomes participants of the EAGE Annual 2018



We have eight months until the event, and the various work groups of the Local Advisory Committee are working hard to deliver a "Scandinavian flavour" to the different components of the overall programme.

During the opening session, we shall address the role of the E&P industry in this energy transition period driven by the 2015 Paris Agreement. As a country, Denmark has set ambitious goals in this regard and I look forward to what is sure to be a stimulating debate with highly committed speakers.

As the President pointed out in his welcome address, the regular Technical Programme will be enriched by a set of Dedicated Sessions. Two of these sessions will benefit from experience gained in tight rock formations which play a key role in most of the Danish reservoirs.

In the Student Programme, the competing teams of the Field Challenge (recently renamed "Laurie Dake Challenge") will be faced with a very interesting exploration round simulated by Maersk Oil. Our student members will have to mobilise all their cross-discipline skills to offer the winning bid.

As always, the Workshop Programme covers a wide spectrum. Here too the LAC has proposed many topics which have been kindly accepted by the EAGE Technical Programme Committee. These workshops provide local content and will be convened by specialists coming from Scandinavia's renowned organisations.

The framework of the conference is well defined. It is now up to you to be an active participant in submitting abstracts, volunteering to be a reviewer or applying to chair a session.

I look forward to seeing you for an exciting week!

Pierre Lanfranchi

Chair Local Advisory Committee & Head Subsurface Technology, Maersk Oil

For further information, please consult the [Second Announcement](#).



# /10.

Vancouver, Canada, June 16th – 21th, 2018

Resources for Future Generations 2018 (FRG 2018)

Premier Conference on Energy, Minerals, Water and the Earth

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MEETING  
INFORMATION  
FROM 2018  
TO 2019

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The RFG 2018 aims to provide participants with a program that will explore six vital themes: the earth, education & youth, energy, minerals, resources, and water. Grounded in fundamental earth science, the conference will serve as a forum for participants to discuss their research initiatives and activities as well as the key issues and trends in these closely inter-related areas. These topics are central to the UN 2030 Sustainable Development Goals (SDGs).

This joint venture is estimated to attract 4,000 to 5,000 scientists, policy-makers, industry representatives and members of civil society.

The official conference website : <http://rfg2018.org/en/RFG/2018/Rfg-Highlights>

**Conference Date and Location**

Conference : June 16th-21th, 2018

Venue : Vancouver Convention Center, Vancouver, BC, CANADA

**Activity Timeline**

January 15, 2018 : Call for abstracts closes

March 1, 2018 : Notification to authors of accepted abstracts

April 1, 2018 : Presenters registration deadline

April 15, 2018 : End of early-bird registration rate

May 1, 2018 : Publication of the preliminary program

**Social Program**

North Shore Tour : 9am-2pm, Saturday, June 16th

Sea to Sky Gondola : 9am-2pm, Sunday, June 17th

Student Pub Crawl : 9am-2pm, Monday, June 18th

RFG 2018 Movie Night : 7pm-9pm, Tuesday, June 19th

Vancouver Art Gallery Tour : 7pm-9pm, Wednesday, June 20th

Vancouver Brewery & Distillery Tour : 6 :30am-10pm, Thursday, June 21th



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MEETING  
INFORMATION  
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Minerals Tour-Britannia Mine Museum : 9am-1pm, Friday, June 22th

Energy Tour : Stave Falls : 9am-3pm, Saturday, Friday 22th

Water Tour : Museum of Anthropology & UBC 9am-2pm, Friday, June 22th

**Coex, Seoul, Korea, September 16th – 21th, 2018**

11th International Conference on Geosynthetics (11th ICG)



The 11th ICG is Under the theme of “Geosynthetics: Innovative Solutions for Sustainable Development,” a wealth of scientific programs has been prepared that will feature a wide selection of experts from geotechnical and geosynthetics professions. 11ICG participants will be able to take advantage of a total of 63 sessions that will include invited lectures, such as Giroud Lecture, welcome lecture, keynote lectures, prestigious lectures by distinguished experts, short courses and technical sessions.

The organizing committee has been working to build a solid, collaborative network with sponsors and exhibitors, with unique opportunities available to showcase products and services. With 3,645 square meters of exhibition space and about 100 companies expected, the 11ICG will be one of the largest gatherings of geosynthetics professionals in the world.

The official conference website : [http://11icg-seoul.org/sub05\\_01.php](http://11icg-seoul.org/sub05_01.php)

**Conference Date & Venue & Social Events**

Early Registration Deadline : March 30th, 2018

Pre-Registration Deadline : June 15th, 2018

Final Paper Submission Deadline : March 30th, 2018

Conference Date : September 16th-21th, 2018

Venue : Korea World Trade Center, 159 Samseong-dong, Gangnam-

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## MEETING INFORMATION FROM 2018 TO 2019

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gu, 135-731 Seoul, Korea

Social Events : Cuisine and Inspiring Entertainment

A Special Technical Visit and Friendly Soccer Game

### Theme & Topics

Theme : Geosynthetics : Innovative Solutions for Sustainable Development

Topics :

- Sustainability and Green Technology with Geosynthetics
- Geosynthetic Barriers
- Geosynthetics in Filtration, Drainage and Erosion Control
- Reinforced Walls and Slopes
- Ground Improvement Using Geosynthetics
- Roads, Railways and Other Transportation Applications
- Soil-Geosynthetic Interaction
- Hydraulic Application
- Innovative Uses and New Developments

### Cairo, Egypt, November 24th-28th, 2018

GeoMEast 2018 International Congress and Exhibition

-Sustainable Civil Infrastructures: Structural Integrity



GeoMEast 2018 International Congress and Exhibition to be held in Cairo, Egypt from November 24 to 28, 2018. The GeoMEast SERIES is managed by SSIGE and supported by a number of leading international professional organizations.

Recent rapid construction in Egypt and the Middle East has provided great opportunities for bridge, pavement, geotechnical, geological, tunnel and all engineers to use their knowledge and talents to solve many challenging problems involving highways, bridge structures,

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## MEETING INFORMATION FROM 2018 TO 2019

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pavements, materials, ground improvements, slopes, excavations, dams, canals and tunnels with innovative solutions and cutting-edge technologies.

GeoMEast 2018 will provide a showcase for recent developments and advancements in design, construction, and safety Inspections of transportation Infrastructures and offer a forum to discuss and debate future directions for the 21st century. Conference topics cover a broad array of contemporary issues for professionals involved in bridge, pavement, Geomechanics, geo-environmental, geotechnical, geosciences, geophysics, tunnel, water structures, railway and emerging techniques for safety inspections. You will have the opportunity to meet colleagues from all over the world for technical, scientific, and commercial discussions.

The official conference website : <https://geomeast.org/>

### **Key Dates :**

January 15th, 2018 : Notify authors of accepted abstracts

April 15th, 2018 : Deadline for full submission

May 15th, 2018 : Notify authors of accepted paper

June 30th, 2018 : Final camera-ready papers

November 24th-28th, 2018 : Conference day

### **Conference Themes**

Geotechnical, Geological, Geoenvironmental and Geosynthetics

- Geotechnical, Geoenvironmental and Earthquake Geotechnical Engineering;

- Soil and Rock Mechanics, Geomechanics, Mining, and Geological engineering;

- Geosynthetics and Reinforced Soil Retaining Structures;

- Behavior, Identification and In-situ Test Methods for Site Characterization of Soils, and Lateritic, Problematic, Collapsible, Swelling, Soft, Sabkha and Uncommon Soils;

### **Sustainable Infrastructures**

- Structures and Bridges Engineering

- Tunneling Engineering

- Pavement Engineering, Airports and Advances in Pavements Techniques

- Transportation Engineering

- Railroad and Railway Engineering

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## 13th IAEG CONGRESS

### 11-1 Registration for XIII IAEG Congress / AGE Annual Meeting

XIII IAEG Congress / AEG Annual Meeting will convene in San Francisco, California, USA, on September 17th-21th, 2018



### AEG's 61st Annual Meeting/XIII IAEG Congress

Engineering Geology for a Sustainable World

September 15-23, 2018

The conference website : <https://www.aegannualmeeting.org/>

### Hyatt Regency San Francisco

Mark your calendar to join us for the 61st AEG Annual Meeting/13th IAEG Congress in San Francisco, California! AEG is partnering with the International Association of Engineering Geologists and the Environment (IAEG) to host the first ever Congress in the United States in IAEG's 54-year history. The 2018 meeting will have a five-day format (beginning on Monday) featuring prominent national and international keynote speakers, four days of technical sessions and symposia, and your choice of an all-day Wednesday outdoor field course for full (or 3-day) meeting registrants.

### Featured events included with your registration:

Student / Professional Networking Reception  
Icebreaker Reception with drink ticket and appetizers  
Exhibitor / Sponsor-hosted Luncheon  
Nightly Poster Session Receptions with drink tickets  
Opening & Closing ceremonies  
Wednesday Field Course with box lunch

### Optional events for an additional fee:

Special Event: Sunset Dinner Cruise on Hornblower's San Francisco Belle paddlewheel ship  
Young at Heart Social Event (free for students!)  
Women of AEG / IAEG / AWG Breakfast  
AEG & IAEG Annual Banquet  
AEG Corporate Business & Recognition Luncheon

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## 13th IAEG CONGRESS

### Weekend Field Courses

### Short Courses

With over 400 oral presentations and an additional 300+ posters, the networking and learning opportunities are unbeatable!

### Bring your Family!

Guest registration includes a 24-hour Hop-on / Hop-off bus pass, coffee reception, and access to outstanding daily guest tours. For more details on guest tours, visit the meeting website: [aegannualmeeting.org](http://aegannualmeeting.org)

### Headquarters Hotel

Hyatt Regency San Francisco

5 Embarcadero Center, San Francisco, CA 94111

### Prominent San Francisco Waterfront Hotel

- Walking distance from major downtown attractions including Fisherman's Wharf, Bay Cruise terminal, Ferry Building, Chinatown, Union Square Shopping District, SF Giants Baseball Games
- One block from BART/MUNI Embarcadero Station with easy access from San Francisco (SFO) and Oakland (OAK) International Airports
- Adjacent to California Street Cable Car line

### Hotel Features

Two restaurants (one is a restaurant/bar), a 24-hour gym, automated business center, Wi-Fi, express Web check-in and car rental desk located on the ground floor.

### Room Amenities

All rooms feature floor to ceiling windows overlooking cityscapes or San Francisco bay, Hyatt Grand Beds, free Wi-Fi, Chromecast, 47" flat-screen HDTV, iHome stereo with iPod docking station, refrigerator, coffee maker, hair dryer, iron/ironing board and oversized work desk. Pet-friendly accommodations are available.

Group Rate: \$269/night (Cheapest rate in San Francisco- this hotel's regular rate is \$539+/night)

Make Hotel Reservations Now!

### Visa Request Letters

Upon your request, we will send a letter of invitation to attend the meeting. This letter outlines the reason for your travel and can be used as a supporting document in your visa application. If you



/11.

## 13th IAEG CONGRESS

would like a letter of invitation, please visit our website [www.aegannualmeeting.org](http://www.aegannualmeeting.org) and complete the request form, located under “About” in the website header. Be sure to include your complete name, mailing address, country of origin, email address (if different from that which the request was sent), paper title (if applicable). If the letter is not to be sent to you, please include the recipient’s name, mailing address and email address.

Please note: This letter of invitation does not guarantee that you will be granted a visa, nor does it commit AEG/IAEG to assist you in obtaining a visa. AEG/IAEG will not pay any expenses incurred by you. It is the sole responsibility of the attendee to obtain the necessary paperwork for entry to the U.S. It may take additional time to obtain travel documents. It is advisable to start the process early. We have been informed that this process may take at least four (4) months.

### **Additional Information**

Visit our website for complete details on Field Courses, Guest Tours, Short Courses, Student Opportunities and How to Submit an Abstract, [www.aegannualmeeting.org](http://www.aegannualmeeting.org)

Wednesday Field Course Options (space is limited, register early for best selection) Field course details available on the meeting website.

- The Streets of San Francisco - Geologic Walking Tour of Telegraph Hill: Field Course Leaders: Marina Mascorro, Frank Rollo, John Wallace
- San Mateo County Coast and San Francisco Upper Peninsula: Field Course Leaders: William Godwin, Bill Cole, Ryan Seelbach
- Calaveras Dam Replacement Project: Field Course Leaders: Bradley Erskine and Mark Bailey
- Streetcar to Subduction: The Next Generation: Field Course Leader: John Wakabayashi
- Yosemite Highlights Single-Day Tour (additional fee of \$40 if registered by 8/1/18): Field Course Leaders: Peter Holland, Greg Stock (Yosemite Park Geologist)
- Hayward Fault at UC Berkeley, Hayward, and Fremont Walking Tour: Field Course Leaders: Janet Sowers and Donald Wells
- Geology of Alcatraz: Field Course Leader: Bill McCormick
- San Andreas and Range Front Reverse Faults, San Francisco Peninsula: Field Course Leaders: Drew Kennedy, SAGE Engineers; Kevin Clahan, Lettis Consultants International; Carol Prentice; U.S.

/11.

13th IAEG  
CONGRESS

Geological Survey; Gordon Seitz, California Geological Survey; Chris Madugo, Pacific Gas & Electric Company; Chris Hitchcock, InfraTerra

•Geology of Marin Headlands, Point Reyes, and Vicinity: Field Course Leader: Karen Grove

•Black Diamond Mines and Keller Canyon Landfill: Field Course Leader: Raymond Sullivan

•West Napa Earthquake and Wine: Field Course Leaders: Mike Jewett, Scott Burns, Hilary Whitney

•Environmental Geology in the San Francisco Presidio: Field Course Leader: George Ford

•Visit to the Syar Lake Herman Aggregate Quarry in Vallejo: Field Course Leaders: Ryan Coe and Jennifer Gomez

### 11-2 Call for Oral or Poster Abstract

The abstract collection system for oral presentations and posters is NOW OPEN!

Please note that the abstract deadline for full-length peer-reviewed papers to be published in the meeting proceedings has passed.

Please submit your abstract for an oral presentation or poster by April 1, 2018. Due to very limited space, this deadline is not likely to be extended. A written paper is not required for this abstract, however, your oral presentation or paper must be presented by the author in San Francisco.

Submit your abstract here

Website is available in multiple languages, choose alternate language using box in upper right corner of page. Do not login with your AEG username and password.

**Username:** aeg

**Password:** sanfrancisco2018

Invited Speakers: If your paper was invited for one of the symposia sessions, please indicate the appropriate session on your submittal.

#### **Abstract Information:**

Font: Type abstract in 10 point Times font.

Title: Bold your title. Your title may not be more than 120 characters in length, including spaces. Please capitalize the first letter of all primary words as in the example below.

Author(s): Type last name first, followed by first name, followed

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Company or Affiliation and email address. All co-authors should be listed as first name, last name and email address only. Group names will not be accepted as an author. Please see example below.

**Abstract Length:** Your abstract is limited to 300 words or less. Tables or photos may be added to your abstract for a fee of \$150.00 each; however, you may not exceed the spacing requirement of 300 words or less.

**Preferred Mode of Presentation:** Oral, Poster, or either (meaning no preference).

**Invited Presentations:** If your paper was invited for one of the symposia sessions, please indicate the appropriate session on your submittal.

**Registration Requirement:** Registration is required to present your oral presentation or poster. Please have a backup author prepared to give your presentation should you not be able to attend. Please do not submit an abstract if you do not plan to attend the 2018 Annual Meeting for your presentation. We must receive your meeting registration by July 1, 2018 for the meeting in order for your abstract to be published in the Program with Abstracts.

**Abstract Acceptance Letters:** Your abstract will be reviewed for subject and format appropriateness; notifications of acceptance/rejection will be sent by May 1, 2018.

**SAMPLE ABSTRACT:**

“Your Country is Falling Apart” Response to Recent Landslides by the North Carolina Geological Survey

Bauer, Jennifer, North Carolina Geological Survey, jennifer.bauer@ncdenr.gov; Richard M. Wooten; Kenneth A. Gillon; Thomas J. Douglas

Since August 2009, the mountains of Western North Carolina have received 42 inches of rainfall, 16 inches above normal, relieving the region of a two-year drought. These rain events have also increased soil moisture, raised groundwater levels, and triggered over 40 landslide events in the region. As part of its commitment to public safety, the North Carolina Geological Survey has responded to fifteen of these events to evaluate slope stability and provide information to assist state and local agencies and the public. These response efforts have included requests from emergency management officials, erosion control officers, and town planners concerned about the life, health, safety and property of their citizens. Response activities include stability assessment and monitoring of

sites during recovery and clean-up efforts; assisting in determining the nature and extent of the slope failures; mapping the affected area and areas that could be affected (e.g. hazard zonation and debris flow inundation modeling), making Geographic Information System (GIS) maps to assist emergency management officials in their response and contingency planning; and communicating findings to the appropriate officials, public, and the media. Mapping and data collected at these sites is incorporated into a slope movement-slope movement deposit geodatabase. All of the slope movements to which the NCGS responded occurred on slopes that have been modified in some way by human activity; four of them have damaged six structures and four threaten homes, one of which has been condemned. This paper will illustrate several of these landslide investigations and responses, as well as give a brief timeline of rainfall events correlating to these slope failures.

#### **Preliminary Technical Program**

Symposia (many papers / speakers are invited, however please submit your abstract for consideration to complete a symposium session):

- The new future of engineering geology: advancing the profession and protecting the public through education, licensure, regulatory compliance practice, and guidelines. History, examples, and perspectives. (Robert E. Tepel)
- Dams: sedimentation / rivers / failures (Brian H. Greene, Kerry Cato, Donald Bruce)
- Oroville Dam (Holly Nichols)
- Education & Preservation of Engineering Geology / Recognition / Licensure, Training: IAEG C4 (Keith Turner, Fred Baynes)
- Engineers Without Borders presentations (Bruce Hilton)
- Hydrogeology (Lindsay Swain)
- Landslides: slope stability, rockfall, rock mechanics (Bill McCormick and others)
- Land Subsidence (Michelle Sneed)
- Lidar / Technology: landslide application of unmanned aerial vehicles (UAV) (Thomas Oommen)
- Engineering Geology of Melanges, BIM Rocks, and similar soil / rock mixtures (Julien Waeber, Ed Medley)
- Naturally Occurring Asbestos (Mark Bailey)
- Aggregates (Dr. Atiye Tugrul)

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- Groundwater (Lindsay Swain)
- Tunnels (Ike Isaacson, Mike Piepenburg, Paul Headland)
- California Earthquake Clearinghouse & Mini-Drill for Emergency Response (Anne Rosinski)
- Getting the Geology Right – the Practical Application of Engineering Geology Models (Steve Parry, Jan Novotny and Fred Baynes)
- Coastal Hazards: Marine & Coastal Processes (IAEG-C34, Xiaolei Liu, Ph.D, A.P.)

**Technical Session Proposed Topics**

- Earthquakes / Faulting: Ground motion / rupture
- Emergency response to Natural Disasters
- Environmental: site characterization, soil and groundwater contamination / remediation
- Groundwater Basin Management, clean water resources
- Geotechnical / Site Characterization for Infrastructure: High Speed Rail, high rise buildings, bay mud, coastal development
- Incremental Sampling Methodology
- Karst Topography
- Mining, Mine Reclamation
- Naturally Occurring Hazardous Minerals: arsenic, mercury, silica, etc.
- Quantifying Climate Change
- Volcanics of Northwest United States and Hawaii, Hydrothermal Energy
- Others not already listed

For more information about the XIII IAEG Congress / AEG Annual Meeting, visit our website: <http://www.aegannualmeeting.org>



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