



IAEG

NEWSLETTER

Issue No.2,2018

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Edited by the IAEG Secretariat, Shaoxing, China

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/1. NEWS OF EXECUTIVE COMMITTEE

Midyear Meeting of IAEG Executive Committee in 2018

A two days midyear working meeting of IAEG Executive Committee was held in Mines Paris Tech, Paris, France on May 18-19, 2018. All the 12 members of the Executive Committee attended and Scott Burns, the president of IAEG, chaired the meeting. Eldon Gath represented the Vice President for North America Jeff Keaton attended the meeting.

The Secretary General Faquan Wu reported the recent progress of the National Group, this year we are hopefully welcoming the re-activated national group Croatia and Iceland, and potential new national groups Bhutan and Myanmar. The executive members proposed to make a separate list of active National Groups and inactive National Groups to check the National Groups' activity status. The Treasurer reported the 2017 balance of finance of IAEG and the web editor in chief Giorgio Lollino report the website works, the website has recently opened the new page of YEG Committee (Young Engineering Geologists Committee), Giorgio gave some suggestions on the improvement of website works as well.



The Executive Committee selected the 2018 awards including the Hans Cloos Medal, Marcel Arnould Medal and Honorary Membership at the meeting, with the secret votes by the Executive Committee, the recipient of Hans Cloos Medal 2018 is Professor Runqiu Huang, nominated by the Chinese National Group and the recipient of Marcel Arnould Medal 2018 is Dr. Louis Primel nominated by the French National Group. The Executive Committee also decided to grant the Honorary Membership 2018 to Professor Cristian Marunteanu, nominated by the Romanian National Group. For the Richard Wolters Prize, 4 candidates have been nominated by national groups, they are Wen Zhang (China), Wei-An Chao (Chinese Taipei), Sarah Bastin (New Zealand) and Andrey I. Kazeev (Russia). The RWP competition is going to take place during the 2018 Congress in San Francisco, USA.

The Editor in chief of Bulletin, Martin Culshaw proposed that the IAEG should fund a project to digitise all undigitised IAEG Congress and Conference Proceedings and make them available to members via the IAEG website. The Executive Committee approved and Martin is responsible to present a financial proposal to support the project firstly. In order to search the possibility of all members with Electronic

Bulletin after 2019, Martin will consult with Springer to see the minimum cost price for all members with Electronic Bulletin, and feed back at the Executive Committee meeting in San Francisco.

The Executive Committee discussed changing the Bylaw and Status as we have not updated them for a long time already, a Committee consist of Scott Burns, Louis van Rooy, Martin Clushaw and Yogendra Deva will be responsible for coming up with a list of things to be changed on the Bylaw and Status and present them as advice to the Council for consideration and approval. The Executive Committee also approved the motion of setting 2 Vice Presidents for Asia which will be presented to the Council for approval at the San Francisco Meeting in September.

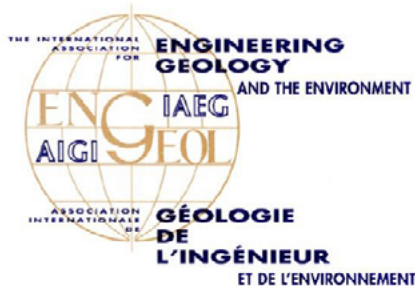
Scott Burns reported the updates of the XIII IAEG Congress, on keynotes, technical sessions, abstracts, proceedings, registrations, short courses, field trips, exhibitions, special events, commission symposiums, hotel and visa application. It is highlighted that a Solidarity Fund has been set to to help young conference participants from low-income countries to attend the meeting. IAEG will have a special booth for IAEG promotion during the Congress next to the reception. The Congress organizing work is going smoothly and more participants are expected to register on the official website to get the discount before the deadline.

Scott introduced the first issue of IAEG Connector E-News which is going online and open to all IAEG members, to show what's happening in IAEG recently, to sharing the conference information with all members. There will also be a special part to highlight the officers of IAEG Executive Committee in the next coming issues.

After the meeting on May 18, 2018, the award ceremony for Giorgio Lollino to receive the 2016 Marcel Arnould Medal took place inside the Mineralogical Museum in Mines Paris Tech. Giorgio Lollino was granted the Marcel Arnould Medal in 2016, for the absence of meetings both in 2016 and 2017, he wishes to take this opportunity to receive the award in Paris which is also the home of Marcel Arnould, making it more meaningful. All the Executive Committee members as well as Council members of the French National Group, Mrs Aline Quenez, Roger Cojean and Jean-Louis Durville presented the award ceremony.



Notification Of Hans Cloos Medal Recipient



President:	Prof. Scott Burns
Past President:	Prof. Carlos Delgado
Secretary General:	Prof. Wu Faquan.
Treasurer:	Dr. Jean-Alain Fleuriisson
Vice Presidents	
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:
Shaoxing University
No. 508 Huanchengxilu, Shaoxing City, Zhejiang Province, 312000, CHINA
Tel./Fax: +86 -0575 -8834 6551, Mobile: +86 13910509506
Email: iaegsg@163.com

NOTIFICATION OF HANS CLOOS MEDAL RECIPIENT

Dear Professor Runqiu Huang and Professor Shengwen Qi,

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

Congratulations to Professor Runqiu Huang and the Chinese National Group!

Best Regards,

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

Notification Of Marcel Arnould Medal Recipient



President:	Prof. Scott Burns
Past President:	Prof. Carlos Delgado
Secretary General:	Prof. Wu Faquan.
Treasurer:	Dr. Jean-Alain Fleurisson
Vice Presidents	
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:
Shaoxing University
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Tel./Fax: +86 -0575 -8834 6551, Mobile: +86 13910509506
Email: iaegsg@163.com

NOTIFICATION OF MARCEL ARNOULD MEDAL RECIPIENT

Dear Louis Primel and Aline Quenez,

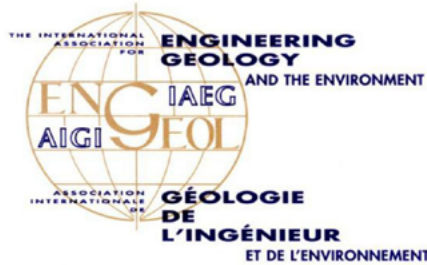
I am very pleased to inform you that the recipient of Marcel Arnould Medal 2018 is Dr. Louis Primel, nominated by the French National Group. The decision is made at the Executive Committee Meeting held in Paris on 18th May, 2018. With the secret votes by the Executive Committee members on three candidates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

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

Best Regards,

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

Notification of Honorary Membership Recipient



President:	Prof. Scott Burns
Past President:	Prof. Carlos Delgado
Secretary General:	Prof. Wu Faquan
Treasurer:	Dr. Jean-Alain Fleurisson
Vice Presidents	
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


NOTIFICATION OF HONORARY MEMBERSHIP RECIPIENT

Dear Professor Cristian Marunteanu and Professor. Mihaela Stănciuciu,

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

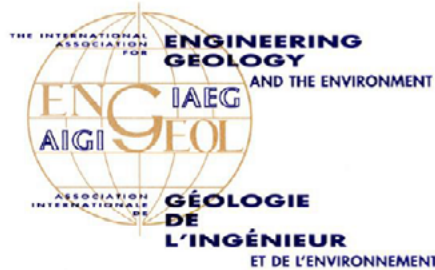
Congratulations to Professor Cristian Marunteanu and the Romanian National Group!

Best Regards,



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

Announcement of IAEG 2018 Richard Wolters Prize Candidates



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

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Email: iaegsg@163.com

ANNOUNCEMENT OF IAEG 2018 RICHARD WOLTERS PRIZE CANDIDATES

All members of Executive Committee and the Council,

The Richard Wolters Prize 2018 competition will be presented at the occasion of the 13th IAEG Congress (September 15-23, 2018, San Francisco, USA). We have already received 4 qualified candidates nominated by National/Regional Groups China, Chinese Taipei, New Zealand and Russia. The 4 candidates who have confirmed that will attend the 2018 RWP competition are listed below:

Wen Zhang (China) - nominated by the Chinese NG

Wei-An Chao (Chinese Taipei) - nominated by the Chinese Taipei Regional Group

Sarah Bastion (New Zealand) - nominated by the New Zealand NG

Kazeev Andrey (Russia) - nominated by the Russia NG

Selection of the winner of the Richard Wolters Prize and runner-up will be made by the jury appointed by the IAEG Executive Committee.

Good luck to the candidates!

Best regards,

Faquan Wu

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

2018 Election of the Officers

Till the deadline of May 15th, the secretariat has received nominations for the 2018 Election of the officers for the term 2019-2022. The overviews of the candidates:

- **Candidates of the President**

- Rafig Azzam (Germany) - nominated by the German NG
- Ann Williams and Mark Eggers (New Zealand and Australia) - nominated by the New Zealand and Australian NG

- **Candidates of the Secretary General**

- Faquan Wu (China) - nominated by the Chinese NG

- **Candidates of the Treasurer**

- Jean-Alain Fleurisson (France) - nominated by the French NG

- **Candidates of the Vice President for Africa**

- Tamunoene Kingdom Simeon ABAM (Nigeria) - nominated by the Nigerian NG

- **Candidates of the Vice President for Asia**

- Tang Huiming (China) - nominated by the Chinese NG
- Bo-An Jang (Korea) - nominated by the Korean NG
- Ranjan Kumar Dahal (Nepal) - nominated by the Nepalese NG

- **Candidates of the Vice President for Australasia**

- Doug Johnson (New Zealand) - nominated by the New Zealand NG

- **Candidates of the Vice President for Europe**

- Kiril Anguelov (Bulgaria) - nominated by the Bulgarian NG
- Vassilis Marinos (Greece) - nominated by the Greek NG
- Eugene A. Voznesensky (Russia) - nominated by the Russian NG

- **Candidates of the Vice President for Southern America**

- Norberto Jorge Bejerman (Argentina) - nominated by the Argentinian NG

- **Candidates of the Vice President for Northern America**

- D. Jean Hutchinson (Canada) - nominated by the Canadian NG

Announcement of the 2018 Council Meeting

The 2018 Council Meeting will take place on September 16, 2018 at the Hotel Hyatt Regency in San Francisco, USA during the XIII IAEG Congress. The year 2018 is a big year for IAEG, New Executive Members for the term of 2019 - 2022 will be elected by ballot at the Council Meeting. The Candidates who are willing to run for a position should give a five minutes speech during the election part, to state his/her performance of the position. All the Council Members, please mark the important date on your Calendar and participate the 2018 Council Meeting of IAEG.

Elected Editor-in-Chief of Bulletin Met with the Secretary General of IAEG

Doctor Louis N.Y. Wong, the Editor-in-Chief of The Bulletin of Engineering Geology and the Environment, met with the Secretary General of IAEG, Professor Faquan Wu in Shaoxing University on June 30, 2018. They affirmed the development of Bulletin and made agreement on how to improve the quality and expand the influence of it. In addition, they also exchanges opinions on the development direction of Bulletin, regarding the aspect of broadening the areas and fields Bulletin covers.



New Elected President of FedIGS

Professor Xiating Feng from China has been elected the new president of FedIGS for the term of 2019-2022. Congratulations to Professor Xiating Feng and sincere thanks to President Jean-Louis for his efforts and endeavor during the past four years.

The FedIGS meeting will be held on September 24, 2018, during the XIII IAEG Congress.

New Page Open on the Website for YEG

The Young Engineering Geologists (YEGs) are the active young member (under 40 years old) chapter of the International Association of Engineering Geology (IAEG). The young membership is represented by a committee of dynamic representatives of 13 regions of the world.

Our goal is to promote the interests of young members and their involvement within the IAEG, by facilitating networking and organizing relevant events around the world.

Please check <http://iaeg.info/young-engineering-geologists/> for more information.

/2. MEMBERSHIP UPDATE 2018

The Secretariat has been calling for the update membership of 2018 since January this year. It is highly appreciated for NGs to update the membership as to meet the subscription and delivery of the Bulletin. For the NGs who have not submit the latest memberships yet, please update the information and contact the secretariat as soon as possible.

VP	No.	NG	total	With B.	Without B.	Associate members
Mark Eggers	1	Australia	295	133	161	1
	2	New Zealand	422	170	252	0
Giorgio Lollino	3	Albania				
	4	Austria	21	10	11	0
	5	Bulgaria	16	10	6	
	6	Croatia	30	11	19	0
	7	Cyprus				
	8	France	158	101	48	9
	9	Georgia	15	4	11	0
	10	Greece	81	24	57	0
	11	Hungary				
	12	Italy	77	71	6	0
	13	Portugal				
	14	Romania	22	15	7	0
	15	Serbia	15	8	7	
	16	Slovenia				
	17	Spain	46	46	0	0
	18	Switzerland	73	73	0	0
	19	Turkey	145	8	137	0
Rafiq Azzam	20	Belgium	73	36	37	0
	21	Czech Republic	25	12	13	0
	22	Denmark				
	23	Estonia				
	24	Finland				
	25	Germany	509	48	461	0
	26	Iceland				
	27	Ireland				
	28	Lithuania				
	29	Netherlands	36	36	0	0
	30	Norway				
	31	Poland				
	32	Russia	85	30	55	0
	33	Slovak Republic				
	34	Sweden	36	36	0	0
	35	United Kingdom				
Louis VanRooy	36	Algeria				
	37	Nigeria	22	6	16	0
	38	South Africa	208	13	195	0
Jeff Keaton	39	Canada	86	76	10	0
	40	Mexico				
	41	USA	183	52	131	
Maria Heloisa	42	Argentina	29	29	29	0
	43	Brazil				
	44	Colombia				
	45	Paraguay				
	46	Peru				
Yogendra Deva	47	Bangladesh	41	1	40	0
	48	China P.R.	591	227	364	0
	49	Chinese Taipei	57	0	57	0
	50	HongKong SAS				
	51	India				
	52	Indonesia				
	53	Iran				
	54	Iraq	11	2	9	0
	55	Japan	91	79	6	6
	56	Korea	125	0	125	0
	57	Malaysia				
	58	Nepal	88	3	85	0
	59	SEAGS	20	20	0	0
	60	Singapore	78	2	76	0
	61	Vietnam				
Individual Member			3			
Total			3813	1398	2431	16

OBITUARY



Richard Z. T. Bieniawski

In Memory of Richard Z. T. Bieniawski

Prof. Richard Z.T. Bieniawski, died on 11 December 2017 at his home. He was born in 1936, in Krakow, Poland. He was one of the most prominent and influential rock engineering personalities of the 20th century.

Prof. Bieniawski was trained as a naval architect and marine engineer in Poland, graduated in South Africa as mechanical engineer and obtained a doctorate in mining and tunnel engineering. He taught for 20 years at the Pennsylvania State University and retired on his 60th birthday to Prescott, having become Visiting Professor of Design Engineering at the University of Cambridge, England.

In the ISRM, he was chairman of the Commission on Testing

Methods from 1972 to 1979 and Vice President for Africa from 1974 to 1979.

As two who have been to ISRM conferences for a long time, and therefore have known Dick Bieniawski for more than half his life, and during a bigger proportion of our own, it was with sadness we recently heard the news of his death on December 11, 2017.

His enthusiasm for life and work - seemingly at all times - was a foolproof camouflage of the fact that he had a long life, and was truly a senior and respected colleague. Starting in South Africa as a mechanical engineer, where he obtained a PhD in mining and tunnel engineering, he has been through his life a teacher and an engineer.

It is true perhaps, but misleading of his multi-faceted contributions to education, to rock mechanics and to rock engineering, that he is best known for his own RMR rock mass rating, which was a prime member of the 1972, 1973 and 1974 independently developed rock mass classification methods.

It is of interest to underline here that these classification methods miraculously developed almost simultaneously, if we look at the longer time-scale. RMR has of course provided healthy competition for Q, and gave a flying start for GSI.

Dick's book on rock mass classification methods of 1989, *Engineering Rock Mass Classifications - A Complete Manual for Engineers and Geologists in Mining, Civil, and Petroleum Engineering*, is one of the most cited texts in rock engineering.

However, how could Dick's contributions to rock mechanics and rock engineering, during his first steps in the discipline, be neglected? The invaluable PhD thesis on the Mechanism of the Brittle Fracture of Rock in compression and tension is a remarkable sign of Dick's ability to couple theory and practice.

The precious contributions of Dick Bieniawski to rock engineering in mining and tunneling are also to be reminded, as well demonstrated with his books on *Strata Control in Mineral Engineering* of 1987 and on *Rock Mechanics Design in Mining and Tunneling* of 1989.

The use of consistent design methods in rock engineering has always been Dick's concern. This is well demonstrated in the books on *Tunnel Design by Rock Mass Classifications* of 1990 and on *Design Methodology in Rock Engineering* of 1992, always complemented with important case histories.

Giovanni Barla and Nick Barton

A Tribute to Prof. Don Deere, 1922-2018

Regrettably Prof. Don U. Deere left us on January 14th at the age of 95. He had hardly recovered from a fall a few months earlier. His passing, however, leaves very good memories for his former students, assistants, colleagues and clients. Five years ago, when he was celebrating his 90th birthday, we were invited by his son Don W. Deere and daughter to Gainesville, Florida, to a memorable ceremony, while Prof. Deere was still very active. His last years after he recovered almost totally from a stroke were spent golfing, dancing, etc. at his glamorous retirement resort.

He represented a very important milestone for Engineering Geology and Rock Mechanics in his activities at the University of Illinois, Champaign-Urbana Campus, in the 60s and 70s. Together with Prof.



Ralph Peck, they led and pioneered Geotechnics and Rock Mechanics in the USA. His area of expertise covered Civil Engineering (Ph.D.), Mining (B.S.) and Geology (M.Sc.). My own impression is that Prof. Deere was a man who was very kind and respectful of his students and colleagues whom he encouraged the most. Moreover, he was a man who knew how to utilize the potential of his assistants to make them grow together with him. This resulted in a formation of a group of very talented colleagues, such as Ron Heuer, Alfred J. Hendron, Ed Cording, Frank Patton, and later Gabriel Fernandez, among others who were not of my time. Among his former students, you can find many engineers and geologists who reached senior and influential positions, like Andy Merritt (his consulting partner), Ray Miller, Harvey Parker (President of ITA), Jim Coulson (Chief Engineer at TVA), Ray Benson and Bob Conlon (Both Geotechnical Department Heads at Acres), Brian Sinclair, Sergio Brito, Alan Smallwood, Jim Gamble, Alberto Nieto, Jim Mahar and many others including the author of these lines. After many years at the University of Illinois, he moved to the University of Florida where he could devote more time to his consulting practice.

He was a recognized expert in Engineering Geology and Rock Mechanics and has the great merit of integrating Geology in Geotechnical and Geomechanical projects. He consulted on numerous dams, mining, tunnels and other underground projects for the US government, contractors and design engineering companies all over the world. Many of these projects involved precedent structures such as the Churchill Falls hydroelectric project in Labrador, Canada and the World Trade Centre in New York City. He also acted as a member of the Board of Consultants in many other large projects around the world. In Brazil he made very important contributions as a member of Board of Consultants for the following hydroelectric projects: Itaipu, Água Vermelha, Sobradinho, Itaparica, Paulo Afonso, Itumbiara, Sao Felix, Altamira and others. His first mission in Brazil was to help me on the design of the final slopes of the Cauê Open Pit Mine, in 1972.

His experiences in the field became teaching material for his classes. He wrote and co-authored numerous papers and was, of course, the inventor of the rock mass assessment tool, the RQD. Together with Giovanni Lombardi, he invented the GIN method of grouting. He was Chairman of the US Nuclear Waste Technical Review Board. He was the President of the Commission on Standardization of Laboratory and Field Tests of the ISRM from 1968 to 1973. He received numerous distinctions throughout his career including being elected to both the National Academy of Engineering and the National Academy of Sciences. He was also a consummate joke teller.

Milton Kanji



Owen White

Owen White-Obituary

Owen White, the past president of IAEG for the term 1986 to 1990, passed away on Saturday, June 23rd, 2018 aged 92. Deep tributes and Condolences to his family as well as his friends and colleagues of IAEG. He was the first elected president from North America, former IAEG Vice President for North America from 1982 to 1986, the recipient of 1998 Hans Cloos Medal of IAEG, the recipient of Thomas Roy Award of Canadian Geotechnical Society in 1996.

During his term as the president of IAEG, a lot of achievements of the technical meetings and some of the great technical presentations have been gained, the membership of IAEG reached 4600 in 1986 and the national groups increased from 50 to 55 by 1990 which has established strong foundation for the followed development of

IAEG. After his retirement from IAEG, he keeps doing a great contribution to IAEG for such a long time, Owen White is definitely a conscientious and enthusiastic person. He will live in our memory forever and we sadly miss him .

/3. EVENTS OF IAEG NATIONAL GROUPS

Bangladesh National Group – The first Congress of Engineering geology, Geo-hazards and Development on April 24-25, 2018 in Dhaka, Bangladesh

//////////Bangladesh

The first IAEG_BNG NATIONAL EVENT 2018 of BANGLADESH NATIONAL GROUP of the IAEG, was held at Jahangirnagar University, on April 24-25, 2018. Several activities were organized. The event started on the 24th April, 2018 with events for the students, including “Geo-engineering Quiz Competition, documentary and video shows and a students’ rally on geo-engineering issues, highlighting the problems and issues of engineering geology and solutions for sustainable development of Bangladesh which was organized by “Young Engineering Geology Students’ Forum of Bangladesh_JU (YEGSFB-JU). Best participants of the Quiz Competition were awarded. The 2nd day of this event, which was on 25th April, 2018, was mainly focused on the key issues related with “ Geological Engineering, Geo-hazards & Development” of Bangladesh. The inaugural session had started with the welcome speech of IAEG_Bangladesh National Group President--Prof. Dr. A.T.M. Shakhawat Hossain. Vice Chancellor of Jahangirnagar University, Professor Dr. Farzana Islam, was present as the Chief Guest. The Dean of the Faculty of “Mathematical and Physical Sciences”- Prof.Dr.Ajit Kumar Majumder, the Director General of the Geological Survey of Bangladesh--Dr.Reshad Md. Ekram Ali & Professor Dr. M. Qumrul Hassan, Professor of Department of Geology, University of Dhaka, were also present as special guests. More than 200 participants, including geoscientists from different National organizations, academics, engineers, policy makers and YEGSFB-JU attended this event on the 25th April, 2018 at JU.



Photo Images of IAEG_BNG 2018 Events at Jahangirnagar University, Bangladesh

Learned speakers from USA and Bangladesh presented their technical papers in three technical sessions and highlighted the current problems and solutions in geological engineering professional works, site investigations, climate resilient housing for sustainable development of Bangladesh, Climate change impacts at macro and micro levels, challenges and issues of sustainable water resource management of Bangladesh, 3D geological modeling and its importance for sustainable urban development, challenges and issues in managing landslide hazards of Bangladesh and importance of developing an early warning system for Bangladesh. Important construction issues on the construction of Rooppur Nuclear power plant and geotechnical issues on Land development and reclamation of Martarbari Ultra super critical coal fired power plant papers are presented. All the participants acknowledged the importance of geological engineering for future development of Bangladesh. This event was organized successfully by Bangladesh National Group and was really a wonderful event for geoscientists and geo-engineering professionals of Bangladesh.

Canada National Group – Activities

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

//////////Canada

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

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

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

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

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

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

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

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

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

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

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

Executive Member Mr. Andrew Peach is conducting a study into defining Engineering Geology. The Association of Professional Engineers and Geoscientists of Newfoundland and Labrador, PEGNL, has recently undertaken an initiative to define the scope of practice for Geotechnical Engineers, Geological Engineers and Engineering Geologists. Their goal is to provide clarity on overlapping scopes of practice as well as to determine what might be considered restricted scopes of practice specific to each discipline.

As such, EGD has reached out to international bodies and national ones in an attempt to standardize such definitions. Past and present IAEG Presidents were approached to provide input.

China National Group – Activities

(1) The 11th China Engineering Geology Summit

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

//////////China

The topic of summit is Engineering Geology in New Era — Earth Dynamic System and Its Environmental disaster effect, emphasizing that the root of engineering geology is always geology, indicating that human activity process is one of the four earth dynamic systems, which deeply control the earth environment and its disaster evolutionary process by interaction. To reach a much higher level, engineering geology should pay close attention to the latest developments of modern earth science. Over 100 scholars and specialists presented the summit.

The opening ceremony was hosted by Prof. Faquan WU, President of IAEG China National Group and Secretary General of IAEG. And the subsequent summit was composed by invited lecture, leading theory and advanced technology and engineering practice and talent cultivation. 4 Academicians made invited lectures on “North China craton destruction and its resource and energy effects”, “The uplift of the Qinghai-Tibet plateau and its environmental effects”, “Energy revolution: from fossil fuels to new energy sources” and “The universality and specificity law of engineering geology”. In the later heated discussion, The first part leading theory and advanced technology was chaired by the Dr. Yueping YIN, chair of IAEG C24 Neotectonics and geo-hazard and Prof. Hengxing LAN, Chair of IAEG C37 Landslide nomenclature. Prof. Shengwen QI, Chair of IAEG C29 Structure and behavior of rock and soil and Prof. Yonggang JIA, Chair of IAEG C34 Marine engineering geology also attended the summit and contributed their professional opinions and suggestions.



Invited lecture “The universality and specificitylaw of engineering geology” by Sijing WANG

IAEG Past President / Hans Cloos Medal Winner /
Academician of the Chinese Academy of Engineering



Group photo of The 11th China Engineering Geology Summit

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

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

and Prof. Niek Rengers, the past president of ISRM Prof. Xiating FENG and past president of ICL Dr. Yueping Yin attended the symposium and made excellent lectures as well.

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

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



Symposium photo



37 top-level keynote speakers and invited lecturers

Ten years ago, a devastating earthquake occurred in Sichuan Province, China, causing the death of almost 90,000 people and widespread damage to urban and rural communities, deeply affecting the economy of the region. The earthquake triggered tens of thousands of landslides over a large area, and rainstorms in the years after the earthquake re-activated many of them, triggering debris flows from their deposits. Even though strategies for geo-hazards assessment and risk management have been implemented to reduce the long-term disaster-chain effects from the earthquake, 10 years on, the Wenchuan region is still threatened by various geo-hazards in the aftermath of the earthquake. Spatial and temporal trends in these threats raise international awareness and concerns about the issues of long-term disaster-chain effects in hazard and risk reduction. This symposium is in memory of the many victims and provides opportunity to present and exchange international knowledge and experience on the occurrence of geo-hazards in areas struck by mega-earthquakes and their long-term effects.

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



Group Photo

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

Japan National Group - Activities

(1) JSEG Investigation Team for Disaster Prevention

The JSEG Investigation Team for Disaster Prevention made the report of the Northern Kyushu (West Japan) flood and debris flow disaster to mainly local people in 28th April, 2018. This disaster was induced by extreme heavy rain, about 280mm in 3 hours, in the area of Northern Kyushu in 5th July, 2017. This extreme heavy rain was caused by linear rainfall belt along the energetic seasonable front. Recently, increasing number of extreme heavy hourly rain has occurred. 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 people.

//////////Japan



About 200 people attended in this report meeting, and over 60% out of them were general local people. They mentioned to be improved their understanding for dangerous natural phenomena after meeting. JSEG intends to continue and spread these engineering geological activities for disaster prevention.



Meeting of Northern Kyushu Disaster for mainly local people

(2) Plan of International Workshop of IAEG and ISRM

IAEG Japan National Group intends to hold following international workshop of co-sponsor with IAEG and ISRM. ISRM has been held four international workshops of rock mechanics in volcanic area from Portugal, 2002 to Italy, 2015. In these days volcanic phenomena are important from several aspects such as disaster prevention, geothermal energy, water resources, and rock and soil mechanics etc. Japan National Group would like to propose to IAEG as co-sponsor with ISRM for this plan. This workshop will be held in 2020 at Fukuoka University of two days discussion and two days field excursion in large and active Volcano Aso area in middle Kyushu.



Mount Aso Explosive Eruption on 2014

Korea National Group – 12th ARC Under Intense Preparation

//////////Korea

The 12th ARC will be held in Seoul, Korea on September 24 – 26 in 2019. The executive meeting could be on September 21 and National council meeting could be on September 22. The organization committee has arranged pre-conference tour on September 23 and post-conference tour on September 27. The homepage will be ready and open soon. Please pay close attention to the news from the organization committee and IAEG Newsletter.

Nepal National Group—Newly established Organization NSEG serves as the National Group of IAEG

//////////Nepal

Nepalese Society of Engineering Geologist (NSEG), which was established in 2018 January, will also serve as Nepalese National Group of IAEG. Nearly 40 members joined Nepalese National Group of IAEG through Nepalese Society of Engineering Geologists. and active Volcano Aso area in middle Kyushu.



General Introduction of NSEG

Nepalese Society of Engineering Geologists (NSEG) is a professional and a scientific organization comprising members from the fields of Engineering Geology, Geology, Geomorphology, Geography, Geotechnical Engineering, Civil Engineering and Disaster Risk Management. It is recently established geoscientific organization of Nepal to promote the science of Engineering

Geology and related discipline. The NSEG will bridge between geologists and engineer in Nepal and will provide a vibrant platform for discussing and debating geotechnical and engineering geological problems and will support Nepal for the sustainable development planning.

The Society will regularly organize national/international Symposia/Seminars/Workshops in various parts of the country and will attract experts, students, professionals from related fields of Engineering Geology and Geotechnical Engineering from Nepal and abroad. NSEG will also start the training program on Engineering Geology for young professionals and will encourage them to work in international standard.

Aim and Objective

More detailed plan and program will be published soon on the internet, and the major aims of the society currently are as followed:

- To promote the professional works of Engineering Geology and allied sciences and their application
- To promote university courses, training programs and new technologies in engineering geology in Nepal and aboard.
- To disseminate knowledge and provide a forum for discussion of all disciplines by holding periodical meetings, seminars and symposia.
- To support various civil engineering projects of Nepal for engineering geological study through research and investigation
- To publish a journal and newsletter in the topic of Himalayan Engineering Geology
- To support IAEG for its activities in Nepal.
- To support the Government of Nepal for promotion of professional engineering geological study in Nepal.

General Information

Website: www.nseg.org.np

President and Nepalese National Group of IAEG Coordinator: Dr. Ranjan Kumar Dahal

E-mail: rkdahal@gmail.com

Tel : +977-1-4112090

Mobile : +977-9851060464/9808798877

Secretariat: Dr. Manita Timilsina

Email : manitatimilsina@gmail.com

Nigerian National Group – Activities

Arrangements are continuing with the 3rd Annual International Conference of the NIGERIAN ASSOCIATION FOR ENGINEERING GEOLOGY AND THE ENVIRONMENT (NAEGE) between October 7-10, 2018. To increase public

//////////Nigeria

awareness of NAEGE among peoples of the host region, we embarked on pre-conference public sensitization and courtesy visits. The 1st quarter of 2018, witnessed courtesy visits to some major government establishments as follows:

1. Rivers State Ministry Of Energy & Natural Resources
 2. Niger Delta Basin Development Authority (Ndbda)
 3. Courtesy Visit To The Rivers State Commissioner For Works
- Highlights of the President's address to our hosts emphasized the following:

1. That all core objectives of development, including water resources development, roads and bridges, dams and tunnels are part of the core expertise and practice of Engineering Geology and NAEGE.
2. NAEGE will no longer keep its distance but close ranks and fully identify with the aspirations of government, towards contributing expert knowledge that will help achieve a sustainable environment.
3. NAEGE can assist investigates issues relating to sedimentation/ Siltation of dams, especially Kainji and Jebba in the Northern part of the country which impacts on the entire region through accelerated coastal erosion in the region.
4. NAEGE questioned the poor representation of engineering Geologist in establishments which core mandates relate to development, where expertise of Engineering Geology is imperative.
5. NAEGE emphasized that Engineering geologists do not consider soil as a mere construction material but as "an aggregate of minerals with diverse behavioral responses when loaded and with behaviors capable of impacting on the sustainability of civil projects. Also, that engineering Geologist comes with a superior knowledge of soil and rock characteristic and behavior, especially when each of these materials is used as part of an engineering structure.
6. NAEGE pointed out that Natural resources exploration and exploitation from the earth requires detailed geotechnical investigations which are within the purview of NAEGE.
7. NAEGE expressed deep concern with the pervasive uncontrolled dredging activities with potential adverse consequences. Speaking further, NAEGE explained that uncontrolled extraction of sand from river channels, particularly in urban areas remain a potent threat to coastal infrastructure in the region
8. NAEGE emphasized that all civil engineering projects, buildings, bridges, airfields, rails, canalization, land reclamation and shore protection required detailed geotechnical studies.
9. NAEGE requested the Agencies for collaboration with NAEGE in the sponsorship of the 2018 conference towards the realization of sustainable development goals and development of the region at large.

10. NAEGE President informed the ministries visited that NAEGE has commenced engineering geological mapping of Nigerian cities, starting with Port Harcourt and Lagos; a project aimed at characterizing the subgrades for construction cost optimization. The maps when completed will serve to fill the dearth of planning data that will be useful in the industrial and socio-economic development of our cities and states.



Group photograph with the commissioner of Natural Resources



Group photograph with Managing Director of the Niger Delta Basin Development Authority



Group photograph after the meeting

India National Group

India National Group Of IAEG is organizing a National Workshop on “Prospects and Retrospects in Engineering Geology, Geophysics and Instrumentation”. It will be held at Hyderabad, India on December 3 – 4, 2018.

//////////India

About the Workshop

The workshop will address the upcoming activities associated with engineering geology and its immense societal relevance. At the same time it will also update the knowledge quotient with respect to the developments taking place in recent past. The indispensable role of the subject in mega infrastructural projects of the country with special emphasis on the engineering geological revelations in South Indian states will form the crux of deliberations in the workshop.

Workshop Theme

- Advance Geotechnical Investigation Techniques and its Challenges.
- State-of-the-art Geophysical Investigation Techniques for Deep Probing.
- Rock Support & Monitoring in tunnels and underground caverns.
- Constructing underground caverns in stable hard rock terrain of South India
- Challenges of Pumped Storage Projects
- Slope stability issues and landslides
- Challenges in maintaining good and safe construction practices

Secretary

- Indian Society of Engineering Geology (ISEG)
- Email: india.seg@gmail.com
- Websites: www.isegindia.org; www.joegindia.com

Portugal National Group – 16th National Geotechnical Congress Portugal, Azores, Ponta Delgada, 27-30 May 2018

//////////Portugal

The 16th edition of the National Geotechnical Congress (16CNG) under the theme "Geotechnics, Natural and Geotechnical Risks and Sustainability" and the 6th edition of the Portuguese–Spanish Geotechnical Conference under the thematic “Geotechnical works on volcanic terrain” took place, for the first time, at S. Miguel Island, Azores, Portugal, from May 27th to 30th 2018.

Organized by the Azorean Regional Laboratory of Civil Engineering (LREC) together with the Portuguese Geotechnical Society (SPG), this SPG’s main event, held every two years since 1985, aims to contribute to the knowledge update and experience exchange in the Geotechnical field.

For this event were submitted an impressive number of abstracts by 911 authors from 26 countries were registered, the most significant from Portugal, Brazil and Spain.

The peer-review process has led to 266 accepted communications more than half related to Engineering Geology and the Environment, as well as 6 outstanding keynote lectures by Brazilian, Italian, Spanish and Portuguese experts. In addition, over 330 participants, 25 sponsors and 12 exhibitors, Azores National Geotechnical Congress proved to be a success. A Technical Exhibition with representative geotechnical institutions and companies could be visited.

The event began with a geo-tourism tour over the island of Santa Maria. In addition to the technical sessions and keynote lectures, delegates had the opportunity to participate on 1 of 3 carefully planned technical visits in order to provide an effective proximity to the specific geological and geotechnical realities of a volcanic region such as the Azores, enriched by a sensorial experience of flavours and warm thermal waters. Young Geotechnical Engineers presented their communications in the annual meeting.

The extensive social program was carefully planned to enhance the interaction between participants and the delight of the Azores, a land of charming and hospitable people, fascinating landscapes and rich gastronomy.

Please visit the congress website: <http://16cng.civil-event.pt/> to know all the conference details and a wide range of photographic memories.



Group photo of the 16th edition of the National Geotechnical Congress



Picture taken at Auditorim Aula Magna

Romania National Group – Activities During 2016-2017

//////////Romania

- General Assembly, March 3th 2017, with the themes: presentation of ARGI and Director Committee activity; financial report and two scientific presentation of our members Cristina Tomşa and of the President.
- Continuous support for the "Octogon", student association for Engineering Geology associated to the Faculty of Geology and Geophysics; active members of ARGI presented in several sessions aspects of their worldwide activity and support the summer field trips.
- Organizing activities beside Romanian Society for Applied Geophysics and participation with papers to the session of engineering geology and hydrogeology of the annual national symposium "Geology and Geophysics – GEOSCIENCE 2017" organized by the Faculty of Geology and Geophysics, University of Bucharest, on 24th of November 2017 with participation of the European Association of Geoscientists and Engineers (EAGE).
- As members in the Technical Committee No. 6 "Geotechnics and Foundations", in the Technical Committee No. 1 "Natural Hazards and Risks "of the Ministry of Regional Development and Public Administration, in the ASRO/CT 361 associated to CEN / TC 341 Geotechnical Investigation and Testing, or as Consultants in the ministerial Committee for Emergency Situations of the of the same Ministry, members of our group of engineering geology concur to elaboration of laws and regulations in these fields of activity.
- On behalf of the Romanian National Group the board of our organization advanced two official Memorandum addressed to the Minister of Regional Development and Public Administration, regarding the restriction of the access of engineering geologist at

public auctions for geological and geotechnical studies for highways, motorways, or other public works, during last several years, or to the public competitions for “technical expert” accreditation in the field of “mechanical resistance of earth structures and foundation terrains”.

Sweden National Group – New President has been selected

//////////Sweden

We got the news from Sweden national group that Professor Gunilla Franzén, the president of the Swedish Geotechnical Society retired in March, and Professor Victoria Svahn has been elected as the new president. The new contact information is as follows:

General Information

President: Victoria Svahn

E-mail: victoria.svahn@sbk.goteborg.se

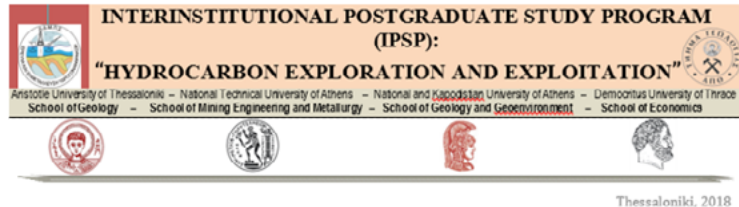
Person in Charge: Mr. Ragna

E-mail: ragna.sgf@gmail.com

/4. NEWS OF IAEG COMMISSIONS

Commission 16

M.Sc. "Hydrocarbon Exploration And Exploitation" Is Calling For Applicants



/////////Commission 16

Commission 16 is organizing a two-year international postgraduate course on Gas Exploitation, which is called M. Sc. “Hydrocarbon Exploration and Exploitation”. This course starts on October every year in Thessaloniki, Greece. Four Hellenic Universities are involved in this program, which are:

- School of Geology, Aristotle University of Thessaloniki (Coordination);
- School of Mining and Metallurgical Engineering, National Technical University of Athens;
- Faculty of Geology and Geo-Environment, National & Kapodistrian University of Athens;
- School of Economics, Democritus University of Thrace.

This postgraduate course is a, full-time, multidisciplinary course covering a range of earth science, engineering, economics and related subjects, and their application to the exploration and exploitation/production of hydrocarbons. For this Master’s degree program tuition fees of 5.200 Euros are applied. This fee must be paid before the beginning of the 1st and the 3rd Semester (2.600 Euros).

The program enjoys close links with the Hellenic Petroleum Industry, which provides data for use in the courses, presentations to supplement course material and help the students to conduct their internships and their individual research projects with an industry host.

Moreover, Schlumberger, the leading provider of software for the international E&P industry, supports this initiative by providing academic licenses for software to be used by the students [Petrel, Techlog, GeoX, PetroMod, ECLIPSE, Merak, Petrel GPM Carbonate Simulator και Petrel GPM Clastic Simulator].

Furthermore, CMG software for reservoir simulation is available for both teaching and research interests. The following two important items should be paid more attention:

- Master students should apply as soon as possible as we have only a certain number of places,

•Housing: housing becomes a problem the closer it comes to September (at the moment it should be no problem). We would like to advise the students to book housing as soon as possible at about the same time the student applies online at our Faculty.

Registration

Application deadline: July 31, 2018.

How to apply: send application to hydrocarbons@geo.auth.gr

Click the link of : <http://hydrocarbons.geo.auth.gr/?p=1205&lang=en>

This deadline represents the latest date that a student may begin his application procedure. The Selection Committee will provide a final ranking list of eligible applicants through an objective selection procedure.

Please check the link below for detailed information:

https://www.dropbox.com/s/2sbtn4wchws9bd/SYLLABUS_Master%20HC_English.pdf?dl=0

General Information

Homepage: <http://hydrocarbons.geo.auth.gr/>

Coordinating School: School of Geology, Auth, Greece

Contact Tel: +30-2310-998514

E-mail: hydrocarbons@geo.auth.gr

Administration Body

Professor Andreas Georgakopoulos

Tel: +30-2310-998514 E-mail: ageorgak@geo.auth.gr

Ms. Mountourli Maria

Tel: +30-2310-998555 E-mail: mmountou@geo.auth.gr

Fax: +30-2310-998552 E-mail: hydrocarbons@geo.auth.gr

Commission 29 – Activities

C29 has made following progress in the past year.

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

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

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

Commission 29

Commission 36 – Activities

1. Commission 36 Jointly work with Zhejiang University, the Chinese Institution of Soil Mechanics and Geotechnical Engineering, the Hongkong Geotechnical Society, the TC 215 Environmental

Commission 36

Geotechnics, ISSMEG, the Commission on Waste Disposal of IAEG (C36) will organize the 8th International Congress on Environmental Geotechnics, which will be held in Hangzhou on 28th Oct - 1st Nov., 2018.



Announcement & Call for Papers



The 8th International Congress on Environmental Geotechnics

“Towards a Sustainable Geoenvironment”

*28th October – 1st November 2018
Hangzhou, China*

2. Commission 36 are editing a Special Issue of Engineering Geology on “Engineering Geological problems related to unsaturated soils in waste disposal” to be published early next year (2019).
3. Commission 36 Organized a special session “Unsaturated Soils in Waste Disposal and CO₂ storage” in “China□Europe Conference on Geotechnical Engineering (Aug 13□16, 2018, Vienna, Austria)”. Thirteen papers were received all over the world. Special Session is organized under the auspices of the Commission for Waste Disposal (C36) under the International Association for Engineering Geology and the Environment (IAEG).



/5. THE XIII IAEG CONGRESS IN 2018



///San Francisco 2018

The XIII IAEG Congress is drawing near. Have you finished registering? If not, please click <https://www.aegannualmeeting.org/> registration for registration. Be sure to join us this September. The 2018 Technical Program Committee has prepared an outstanding technical program for the AEG2018/IAEG XII Congress. Experts from around the world will be presenting.

The XIII IAEG Congress is still accepting poster abstracts. Please click <http://aegpapers18.maniacmonkeymedia.com/> for submitting. The website is available in multiple languages – choose alternate language using the box in the upper right corner of the page. Please log with your AEG username and password.

Username: aeg

Password: sanfrancisco2018

Technical programs are arranged during the congress, from September 17 to 21. There is no Technical Sessions on September 19, instead, there is a All Day Field Course (included in registration fee for all full and three day registrations). The detailed technical information is as shown below.

Monday, September 17, 2018 - 2:00-5:00pm

Technical Session #1: Dam Symposium Part I

Technical Session #2: Geology in the Community Symposium

Technical Session #3: Environmental Characterization of Minerals & Pipe Erosion Modeling

Technical Session #4: Landslide Inventory and Susceptibility Mapping

Technical Session #5: Aggregates Symposium

Technical Session #6: Tunnel Symposium Part I

Technical Session #7: Seismogenic Landslide Hazards

Technical Session #8: Quantifying Climate Change

Technical Session #9A: Mineralogy / Rock Mechanics

Technical Session #9B: Geochemical / Water Contamination

Tuesday, September 18, 2018 - Morning - 9:20am-12:00pm

Technical Session #10: Dams Symposium Part II

Technical Session #11: Lidar/Technology: Landslide Application of Unmanned Aerial Vehicles (UAV) - Part I

Technical Session #12: Landslides and Infrastructure

Technical Session #13: Symposium - Landslides and Society: Hazards, Risks, and Communication

Technical Session #14: Tunnel Symposium Part II

Technical Session #15 Engineering Geology of Mélanges, Bimrocks and Soil/Rock Mixtures Symposium Part I

Technical Session #16: Naturally Occurring Asbestos Symposium Part I

Technical Session #17: Geotechnical/Site Characterization for Infrastructure: High Speed Rail, High Rise Buildings, Bay Mud, Coastal Development - Part I

Tuesday, September 18, 2018 - Afternoon - 1:40pm-4:40pm

Technical Session #18: Dam Symposium Part III

Technical Session #19: Improving Engineering Geology: Relationships among Education, Licensure, Guidelines, and Practice — A Global Perspective

Technical Session #20: Lidar/Technology: Landslide Application of Unmanned Aerial Vehicles (UAV) - Part II

Technical Session #21: Symposium - Landslides and Society: Hazards, Risks, and Communication: Part II

Technical Session #22: Tunnel Symposium Part III

Technical Session #23A: Engineering Geology of Mélanges, Bimrocks and Soil/Rock Mixtures Symposium Part II

Technical Session #23B: Miscellaneous Geological

Technical Session #24: Naturally Occurring Asbestos Symposium Part II

Technical Session #25: Geotechnical/Site Characterization for Infrastructure: High Speed Rail, High Rise Buildings, Bay Mud, Coastal Development - Part II

Thursday, September 20, 2018 - Morning - 9:20am-12:00pm

Technical Session #26: Rockfall I: Case Histories and Hazard Studies

Technical Session #27: Landslide Case Histories and Field Methods I

Technical Session #28: Oroville Dam Symposium Part I

Technical Session #29A: Professional Development

Technical Session #29B: Debris Flow and Steep Creek Hazards Symposium

Technical Session #30: Environmental: Site Characterization, Soil and Groundwater Contamination / Remediation Part I

Technical Session #31: Land Subsidence Part I

Technical Session #32: Education, Professional Licensure, Practice Standards and Guidelines: The American Experience Part I

Technical Session #33: Naturally Occurring Asbestos Symposium Part III

Thursday, September 20, 2018 - Afternoon - 2:00pm-5:00pm

Technical Session #34: Rockfall II: Emerging Technology and Mitigation

Technical Session #35: Debris Flow and Steep Creek Hazards Symposium

Technical Session #36: Oroville Dam Symposium Part II

Technical Session #37: Land Subsidence Part II

Technical Session #38: Education, Professional Licensure, Practice Standards and Guidelines: The American Experience Part II

Technical Session #39: Emergency Response to Natural Disasters

Technical Session #40: Naturally Occurring Asbestos Symposium Part IV

Technical Session #41A: Environmental: Site Characterization, Soil and Groundwater Contamination / Remediation Part II

Technical Session #41B: Loess

Friday, September 21, 2018 - Morning - 9:20am-12:00pm

Technical Session #42: Landslides Monitoring and Prediction

Technical Session #43: California Earthquake Clearinghouse & Mini-Drill for Emergency Response

Technical Session #44: Getting the Geology Right – the Practical Application of Engineering Geology Models Part I

Technical Session #45: Dam Symposium Part IV

Technical Session #46: Hydrogeology

Technical Session #47: Mining, Mine Reclamation Part I

Technical Session #48: Earthquakes/Faulting: Ground Motion/
Rupture - Part I

Technical Session #49: Coastal Hazards: Marine & Coastal
Processes Symposium

Friday, September 21, 2018 - Afternoon - 1:40pm-3:40pm

Technical Session #50: Landslide Case Histories and Field Methods
II

Technical Session #51: Dam Symposium Part V

Technical Session #52: Getting the Geology Right – the Practical
Application of Engineering Geology Models Part II

Technical Session #53: Mining, Mine Reclamation Part II

Technical Session #54: Earthquakes/Faulting: Ground Motion/
Rupture - Part II

Technical Session #55: Technology

Technical Session #56: Soils / Soil Amendments for Foundations &
Infrastructure

Technical Session #57: Karst

/6. MEETING INFORMATION

Amsterdam, Netherlands, August 13 – 14, 2018

International Conference on Earth Science & Geo Science

////Amsterdam, Netherlands



Scientific Federation like to take this opportunity to welcome all of you to International Congress and Expo on Earth Science & Geo Science which is to be held during August 13-14, 2018 Amsterdam, Netherlands. Through our theme 'Stimulating and Analyzing the Changes of Earth & Climate' the conference will analyze the recent advancements and new modes that can be enforced to the research to take Earth Science & Geo Science, one step further.

Conference Date: August 13 – 14, 2018

Venue: Hyatt Place Amsterdam Airport Rijnlanderweg 800, Hoofddorp, 2132NN

Registration : Standard Registration on/before July 22, 2018, more information by <https://scientificfederation.com/earth-science-2018/registration.php>

Conference Objectives

- To facilitate opportunities for networking, collaboration and exchange of ideas with internationally renowned leaders in Earth Science & Geo Science.
- To identify research and practice based innovations in optimizing Earth Science & Geo Science.
- To debate gaps and priorities for sustainable development in optimizing Earth Science & Geo Science.
- To discuss and debate the challenges and opportunities in the new era of optimizing Earth Science & Geo Science reforms.
- To identify opportunities for evidence-based practice in optimizing Earth Science & Geo Science.

Contact Information

Website : <https://scientificfederation.com/earth-science-2018/index.php>

E-mail : earth_science@scientificfederation.com

Scientific Session

The Scientific Federation brings you an immense opportunity to be a part of scientific acceleration to world class personalities, young scholars, scientific delegates and young scientists to join in this forum to utilize the expertise and novelties that brings a new era for innovations in the fields of Earth Science & Geo Science which brings well versed scrutinizers at one place. It provides a platform to have open discussions, knowledge sharing and interactive sessions with field experts at Earth Science & Geo Science -2018. The participants are required to submit a brief idea or abstract according to their session interest by following the template as shown in <https://scientificfederation.com/earth-science-2018/#cfa> .

Shanghai, China, August 18 – 19, 2018

The First International Symposium on Seismic Performance and Design of Slopes

/////Shanghai, China

Earthquake-induced landslides were always numerous, widespread, and catastrophic. For the seismic design method of slope, it has developed from empirical design, specification design based on pseudo-static method, into performance based design. However, there are still many challenges in the seismic design of slope, such as uncertainties in the seismic design, dynamic behaviors of soil and slopes subjected to earthquake, improvement and innovation of seismic design method, etc.

In order to prevent and mitigate the landslide disaster triggered by earthquake, the First International Symposium on Seismic Performance and Design of Slopes aims to bring together academic scientists, leading engineers, and students to exchange and share their experiences and research results.

Conference Date: August 18-19. 2018

Venue: Sino-French Center, Tongji University, 1239 Siping Road, Shanghai, P.R.China

Contact Information

Contact Person: Chongqiang ZHU Phone: +86-21-65982384

Email: cqzhu@tongji.edu.cn; yhuang@tongji.edu.cn

Website: http://geotec.tongji.edu.cn/Show.aspx?info_id=1424&info_lb=328&flag=190

Themes

- Uncertainty sources of seismic design of slopes
- Dynamic behaviors of slope subjected to earthquake

- Performance-based seismic design method of slopes
- Prospect to the seismic design of slopes in future
- Practice of seismic design in major slope projects

Registration fee

Registration Fee (US Dollars)	Early Registration (by June 30, 2018)	Regular Registration
Full Registration	\$500	\$600
Student Registration	\$350	\$400
Accompanying Person	\$250	

Fisciano, Italy, September 3-14, 2018

LARAM School 2018

/////Fisciano, Italy

LARAM is an International School on "Landslide Risk Assessment and Mitigation", which is initiated by the Geotechnical Engineering Group (GEC) of the University of Salerno.



The two-week long school is aiming at selecting 40 Ph.D. students to attend the residential courses, among those working in the field of Civil Engineering, Environmental Engineering, Engineering Geology or those who are with a similar Engineering background. The courses include formal lessons, tutorials and field training.

Selection of LARAM 2018

The selection will be based on an evaluation of the candidate's curriculum - including academic performance, previous research experience and publications - and on the content of the recommendation letter(s) in relation to the PhD year, field of expertise and research topic. The list of the selected students will be issued by 22 June 2018.

School Date: September 3-14, 2018

Venue: the Campus of the University of Salerno

(Via Giovanni Paolo II, 132, 84084 Fisciano SA, Italy)

Website: <http://www.laram.unisa.it/school/2018/2018>

School Program

- Introduction to landslides and LARAM Lecture,
- Landslide risk theory,

- Landslide triggering factors,
- Landslide modelling,
- International experiences
- Landslide risk analysis and zoning,

Application

Candidate Participants	40 selected PH.D. Students	5 Registered Young Doctors
Registration Fee	€250	€400
Deadline	June 15, 2018	June 22, 2018
Application Form	http://www.laram.unisa.it/school/2018/application_phd_students http://www.laram.unisa.it/school/2018/registration_young_doctors	

Prague, Czech Republic, September 3 – 7, 2018

WMESS 2018 - 4th World Multidisciplinary Earth Sciences Symposium

/////Prague, Czech Republic

The main mission of the "World Multidisciplinary Earth Sciences Symposium - WMESS" is to lead to contribute in multidisciplinary studies related with atmosphere, biosphere, hydrosphere, lithosphere and pedosphere of the Earth and interaction



of the human with them. As another mission it will provide a forum for this diverse range of studies which report very latest results and document emerging understanding of the Earth's system and our place in it.

Conference Date: September 3 – 7, 2018

Venue: Hotel Duo (Teplicaka 492, 190 000 Praha 9)

Contact Information

World Multidisciplinary Earth Sciences Symposium

Email: symposium@mess-earth.org

Website: <http://www.mess-earth.org/>

WMESS Aims

- to provide a forum for discussion of the latest findings and technologies in different fields of Earth Sciences
- to give opportunities for future collaborations

- to be a platform for sharing knowledge and experiences in the fields of Earth Sciences

- to lead for providing a forum for early career researchers for presentation of their work and discussion of their ideas with experts in different fields of Earth Sciences

Registration

Please click <https://www.mess-earth.org/module.html> for registration.

Topics

- Tectonics & Structural Geology
- Engineering Geology
- Geotechnics
- Hydro-Hydrogeological Sciences
- Natural Hazards
- Oil, Gas & Coal
- Geothermal Energy
- Geomorphology
- Geochemistry, Mineralogy, Petrology & Volcanology
- Stratigraphy, Sedimentology & Palaeontology
- Geophysics & Seismology
- Geodesy, Photogrammetry & Cartography
-

Singapore, October 29-November 3, 2018

10th Asian Rock Mechanics Symposium

/////Singapore



The 10th Asian Rock Mechanics Symposium cum the ISRM International Symposium for 2018 will be held from October 29 – November 3, in Singapore. The theme for ARMS 10 is “Rock Mechanics in Infrastructure and Resource Development”.

ARMS 10 Singapore 2018 offers an ideal opportunity and platform

for professionals from the international rock mechanics community to exchange experiences and new ideas. In addition, we will organize training courses, workshops, technical visits, exhibitions, as well social programs. We will also offer attractive programs for young researchers and students, such as the Rock Bowl, student nights, and some scholarships for selected young researchers.

Conference Date: October 28 – November 3, 2018

Venue: Suntec Singapore Convention & Exhibition Centre

1 Raffles Boulevard, Suntec City, Singapore 039593

Topics

- Rock property and rock mass characterization
- Rock dynamics
- Mining engineering
- Rock tunnel and caverns
- Numerical modelling and design methodologies
- Environmental impact and risk assessment in rock engineering
- Site investigation and monitoring
- Smart technologies in mining and rock engineering
- Special rock engineering projects and case studies
- New frontiers in rock mechanics/engineering

Contact Information

ARMS10 Secretariat at Meeting Matters International

Phone: +65-6472 3108

Email: ARMS10@meetmatt.net

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

Fees and Registration

Registration	If Paid By 17 Sep 2018	If Paid After 17 Sep 2018
ISRM Member*	SGD 960	SGD 1,200
Non-Member*	SGD 1,200	SGD 1,350
Student*	SGD 480	SGD 600

Please click <http://www.arms10.org/public.asp?page=register.htm> for more information.

IAEG EXECUTIVE COMMITTEE 2015-2018

Scott F. Burns

Portland State University
Dept. of Geology
P.O. Box 751
Portland, OR 97207

USA

Tel +1 503-725-3389
Fax +1 503-725-3025
Mail burnss@pdx.edu

President

Carlos Delgado

ESCUELA TÉCNICA SUPERIOR
DE INGENIERÍA CIVIL
Alfonso XII, 3 y 5
28014 – MADRID

ESPAGNE

Tel + 34 91 336 77 36
Fax + 34 91 336 79 61

Mail secretaria.subdireccion.ingenieriacivil@upm.es

Immediate past president

WU Faquan

Shaoxing University
No.508 Huanchengxilu
Shaoxing City,
Zhejiang Province

CHINA

Tel + 86-0575-88346551
Fax + 86-0575-88346551
Mail wufaquan001@hotmail.com

Secretary general

Jean-Alain Fleurisson

Mines ParisTech - Centre de
Géosciences. 35, rue Saint
Honoré. 77305 Fontainebleau

FRANCE

Tel +33 (0)1 64 69 48 13 (Sec. 48 94)
Mail jean-alain.fleurisson@mines-paristech.fr

Treasurer

Martin CULSHAW

49 Shelford Road
Radcliffe-on-Trent
Nottingham
NG12 1AE

UK

Tel +44 (0)115 911 9137
Mobile +44 (0)7929931358
Mail martin.culshaw2@ntlworld.com

Bulletin Editor in Chief

Louis van Rooy

Department Geology
University of Pretoria
Private bag X20 Hatfield, Pretoria
0028

SOUTH AFRICA

Tel +27124202023
Fax +27123625219
Mail louis.vanrooy@up.ac.za

Vice-president for Africa
[National groups : Algeria ;
Nigeria; South Africa]

Yogendra Deva
 Bhilwara Towers, ICCS Ltd.,
 A-12, Sector-1, NOIDA 201
 301, Delhi-NCR
INDIA

Mob +919871178299
 Fax +911204277847
 Mail yogendradeva@gmail.com
 yogendra.deva@lnjbhilwara.com

Vice-president for Asia
 [National and regional groups :
 Bangladesh; China; Chinese Taipei
 regional group; Hong Kong S.A.R.
 regional group; India ; Indonesia ; Iran;
 Iraq; Japan ; South Korea ; Malaysia;
 Nepal; Singapore ; South-East Asia;
 Vietnam]

Mark EGGERS
 Pells Sullivan Meynink
 G3, 56 Delhi Road
 North Ryde NSW 2113
AUSTRALIA

Tel +61 2 98125000
 Mob +61 418 677173
 Mail mark.eggers@psm.com.au

Vice-president for Australasia
 [National groups : Australia ; New
 Zealand]

Jeffrey R Keaton
 Amec Foster Wheeler 6001
 Rickenbacker Rd, Los
 Angeles, CA 90040
USA

Tel +1 323 889 5316 office
 +1 323 203 6958 mobile
 Mail jeff.keaton@amecfw.com

Vice-president for North America
 [National groups : Canada ; Mexico ;
 United States of America]

**Maria Heloisa Barros de
 Oliveira Frascá**
 MHB Geological Services
 Ltd.
 Rua Monte Alegre, 1347
 05014-002 São Paulo, SP
BRAZIL

Tel + 55 11 38621148
 Mob + 55 11 984476247
 Mail mheloisa2@yahoo.com.br

Vice-president for South America
 [National groups : Argentina ; Brazil ;
 Colombia ; Paraguay ; Peru]

Giorgio LOLLINO
 CNR-IRPI
 Strada delle Cacce, 73
 10135 Torino
ITALY

Tel +39 011 3977810
 Fax +39 011 3977820
 Mail giorgio.lollino@irpi.cnr.it

Web Editor & Vice-president for Europe
 [National groups : Albania ; Austria ;
 Bulgaria ; Croatia ; Cyprus ; France;
 Georgia ; Greece ; Hungary ; Italy;
 Portugal ; Romania ; Slovenia ;
 Serbia(Yugoslavia) ; Spain ; Switzerland ;
 Turkey]

Rafiq Azzam
 Engineering Geology RWTH
 Lochnerstr. 4-20
 52064 Aachen
GERMANY

Tel + 49 241 8095741
 Fax + 49 241 8092280
 Mail azzam@lih.rwth-aachen.de

Vice-president for Europe
 [National groups : Belgium ; Czech
 Republic ; Denmark ; Estonia ; Finland ;
 Germany ; Iceland ; Ireland ; Lithuania ;
 Norway ; Netherlands ; Poland ; Russia;
 Slovak Republic ; Sweden; United
 Kingdom]

IAEG National Group

Defrim SHKUPI

President

defrim_shkupi@yahoo.com

ALBANIA

Daas Amiour Mohamed

Vice President

dassamiour.m@univ-setif.dz

BOUSTILA Redha

Secretary

r.boustila@yahoo.fr

ALGERIA

Norberto Jorge Bejerman

President

secretario@asagai.org.ar

ARGENTINA

Hugo Acosta-Martinez

Chairman

hugo.acosta@aecom.com

Peter Robinson

Secretary

secretary@australiangeomechanics.org

AUSTRALIA

Christian Zangerl

President

christian.J.zangerl@boku.ac.at

Reinhold Steinacher

Secretary

reinhold.steinacher@gmx.at

AUSTRIA

A.T.M.Shakhawat Hossain

President

shakhawathos2004@yahoo.com

Mohammad Feruj Alam

Secretary

ferujgsb@yahoo.com

BANGLADESH

Christian TREVE

President

ctreve@cfe.be

Fanny DESCAMPS

Secretary

fanny.descamps@umons.ac.be

BELGIUM

Adalberto Aurélio Azevedo

President

presidencia@abge.org.br

Alessandra Corsi

Secretary

abge@abge.org.br

BRAZIL

Kiril Anguelov

President

angelov@bondys.bg

Ivailo Ivanov

Secretary

bulgeo@dir.bg

BULGARIA

Dharma Wijewickreme

President

President@cgs.ca

Nicholas Vlachopoulos

CGS Representative

vlachopoulos-n@rmc.ca

Lisa McJunkin

Secretary

admin@cgs.ca

CANADA

Faquan Wu

President

wufaquan@mail.iggcas.ac.cn

Shengwen Qi

Secretary

qishengwen@mail.iggcas.ac.cn

P.R. of CHINA

Tien-Chang Lai

President

timtclai@gmail.com

Li-Yuan FEI

Secretary

feily@moeacgs.gov.tw

CHINESE TAIPEI Regional Group

ÉDGAR EDUARDO RODRÍGUEZ GRANADOS

President

sociedadcolombianadegeotecnia@scg.org.co

scgeotecnia1@gmail.com

COLOMBIA

DRAŽEN NAVRATIL

President

drazen.navratil@hgi-cgs.hr;

navratil.drazen@gmail.com

CROATIA

Clio Grammi

President

geominescy@gmail.com

Niki Koulermou

Vice-President

niki.koulermou@gmail.com

CYPRUS

Pavel Pospíšil

pavel.pospisil@vsb.cz

Jan Novotný

Secretary

iaeg@irms.cas.cz

jan.novotny@geology.cz

CZECH REPUBLIC

Jan Dannemand Andersen

President

jda@geo.dk

John Kærgaard Frederiksen

IAEG representative for the Board
of the Danish Geotechnical Society

JRF@ramboll.dk

DENMARK

Johannes PELLO

President

Tallinn Technical University

Room III-217 Ehitajate tee 5

Tallin 19086

ESTONIA

Arto Koskiahde

President

artokoskia@gmail.com

Pekka Ihalainen

Secretary/Treasurer

pekka.ihalainen@ykl.fi

FINLAND

Aline QUENEZ

President

quenez.a@free.fr

Jeanne-Sylvine Guedon

Secretary

jeanne-sylvine.guedon@ifsttar.fr

FRANCE

Zurab Kakulia

President

zukurakulia@yahoo.com

GEORGIA

Prof. Dr. Kuroschi Thuro

President

thuro@tum.de

Kirsten Laackmann

Managing Director

service@dggt.de

GERMANY

Marinos Vassilis

President

marinosv@geo.auth.gr

Loupasakis Constantinos

Secretary

cloupasakis@metal.ntua.gr

GREECE

Nigel R Wightman
President
Nigel.Wightman@aquaterra.com.hk
**Hong Kong (Special Administration
Region, SAR) Regional Group**

Akos TOROK
President
BME Építőanyagok és Mérnökgeológia Tanszék
Budapest Sztoczek u2 1111
HUNGARY

Birgir JONSSON
President
University of Iceland
Department of Environmental and Civil Engineering
Hjardarhagi 2 Reykjavik 107
ICELAND

R.N.MISRA
President
presidentiseg@gmail.com
Imran Sayeed
Secretary
india.seg@gmail.com
INDIA

Imam A. SADISUN
President
imam@gc.itb.ac.id
INDONESIA

M. Fatemi
President
fatemi@khu.ac.ir
Zieaoddin Shoaie
Secretary
zshoaie@gmail.com
IRAN

AQEEL AL-ADILI
President
aqeeladili@hotmail.com
Jaffar Hussain Al-Zubaydi
Secretary
Jafar_hussain68@yahoo.com
IRAQ

Michael LOOBY
President
Byrne Looby Partners
H5 Centre point Business Park
Oak Road Dublin 12
IRELAND

Giovanni Battista Crosta
President
giovannibattista.crosta@unimib.it
Daniele Giordan
Secretary
segreteria@iaeg.it
ITALY

Masahiro Chigira
President
iaeg-japan-ng@jsseg.or.jp
Takao Chaishi
Vice President
chaishi@jpde.co.jp
Daisuke Yamada
Secretary
daisuke_yamada@kk-grp.jp
JAPAN

Zakaria Mohamad
President
dzakaria@gmail.com
Abd Rasid Jaapar
Secretary
arjaapar@gmail.com
MALAYSIA

Carlos GARCIA HERRERA
President
Apartado Postal 39-137
MEXICO

Dandapani Adhikari
President
himalayawatch@gmail.com
Ranjan Kumar Dahal
Nation Coordinator
rkdahal@gmail.com
NEPAL

T K S Abam
groundscan@yahoo.com
President
Abimbola Aluko
Secretary
beamborller@gmail.com

NIGERIA

Saskia Butler
Contact Person
saskia.butler@tekna.no

NORWAY

Jose E. Martinez del Carpio
President
antguzman@gmail.com

PERU

Pawel Dobak
President
p.dobak@uw.edu.pl
Beata Łuczak Wilamowska
Secretary
b.luczakw@uw.edu.pl

POLAND

Kastytis Dundulis
President
kastytis.dundulis@gf.vu.lt
Saulius Gadeikis
Secretary
saulius.gadeikis@gf.vu.lt

LITHUANIA

Robrecht Schmitz
President
r.m.schmitz@tudelft.nl
Peter N.W. Verhoef
IAEG representative Ingeokring
peter.verhoef@boskalis.com

NETHERLANDS

Charlie Price
President
chair@nzgs.org
Teresa Roetman
Secretary
secretary@nzgs.org

NEW-ZEALAND

José Pavón Mendoza
President
presidente@spg.org.py

PARAGUAY

António de Matos Fernandes
President
spg@lnec.pt
Helder Chaminé
Secretary
spg@lnec.pt

PORTUGAL

MARUNTEANU CRISTIAN
President
crimarunteanu@yahoo.com
STANCIUCU MIHAELA
Secretary
stanciucumihaela@yahoo.com

ROMANIA

Victor I. Osipov
President
osipov@geoenv.ru
Olga N. Eremina
Secretary
direct@geoenv.ru

RUSSIA

Dusko Sunaric
President
dsunaric@gmail.com
Srdjan Kostic
Secretary
srdjan.kostic@jcerni.co.rs

SERBIA

Zhiye Zhao
President
CZZHAO@ntu.edu.sg
Angeline Long
Secretary
srmeg@cma.sg
SINGAPORE

Martin Ondrasik
President
martin.ondrasik@stuba.sk
SLOVAKIA

Dušanka Brožič
President
dusanka.brozic@gi-zrmk.si
SLOVENIA

Louis van Rooy
President
president@saieg.co.za
Yolandé van den Berg
Secretary
secretariat@saieg.co.za
Paul Aucamp
Treasurer
treasurer@saieg.co.za
SOUTH AFRICA

Park, Chung-hwa
President
chpark@dju.ac.kr
Woo, Ik
Secretary
woo@kunsan.ac.kr
SOUTH KOREA

Carlos Delgado
President
carlos.delgado@upm.es
Javier Olmedo
Secretary General
SPAIN

Victoria Svahn
President
victoria.svahn@sbk.goteborg.se
Ragna Hellberg
Secretary
ragna.sgf@gmail.com
SWEDEN

Ruedi Krähenbühl
President
baugrundrisk@bluewin.ch
Céline Pittet
Secretary
sfigkassier@geotest.ch
SWITZERLAND

Dennes T. BERGADO
Secretary
seags@ait.ac.th
SEAGS

Remzi Karagüzel
President
karaguzel@itu.edu.tr
Halil KUMSAR Secretary
kumsarh@gmail.com
TURKEY

Helen Reeves
President
hjre@bgs.ac.uk
UNITED KINGDOM

Eldon M. Gath
gath@earthconsultants.com
egath@me.com
NG Leader
Paul Santi
President
psanti629@gmail.com
Yolanda Natividad
Secretary
yolanda@aegweb.org
U.S.A.

Ta Duc Thinh
President
taducthinh_dcct@yahoo.com
Do Minh Duc
Secretary
ducdm@vnu.edu.vn
ducgeo@gmail.com
Vietnam

IAEG Commission and Group

C01 Engineering Geological Characterisation and Visualisation

Jeffrey KEATON
President
jeff.keaton@amec.com
Helen REEVES
Secretary
hjre@bgs.ac.uk

C04 Education

Fred Baynes
President
fredb@inet.net.au

C10 Building Stones and Ornamental Rocks

Björn SCHOUENBORG
President
bjorn.schouenborg@cbi.se
Nike et Hannu LUODES
Secretary
nike.luodes@hotmail.com
Barry Cooper
Responsible for the Heritage Stone task group
barry.cooper@unisa.edu.au

C16 Engineering Geology and the Protection of Ancient Monuments and Archeologic Sites

Basile Christaras
President
chrstar@geo.auth.gr
Vassilis Marinos
Secretary
marinosv@geo.auth.gr

C17 Aggregates

Atiye TUGRUL
President
tugrul@istanbul.edu.tr
tugrulatiye@gmail.com
Akos TOROK
Vice President
atorok@epito.bme.hu
Akseli TORPPA
Murat YILMAZ
Secretary
akseli.torppa@gtk.fi
yilmazm@istanbul.edu.tr

C19 3D Terrestrial Laser Scanning Technology in the Geosciences-current Status and Action Plan

Biljana Abolmasov
President
biljana@rgf.bg.ac.rs

C20 Risk Based Contaminated Land Management

Paul NATHANAIL
President
paul@lqm.co.uk

C21 Engineering Geology of Permafrost Regions

Edward Yarmak
President
eyarmak@arcticfoundations.com
Dmitry Sergeev
Secretary
sergueevdo@mail.ru

C24 Neotectonics and Geohazard

Yin Yueping
President
yyueping@mail.cgs.gov.cn
Zhang Yongshuang
Secretary
zhys100@hotmail.com

C25 Use of Engineering Geological Models

Steve Parry
President
parrysteve@gmail.com

C28 Reliability Quantification of the Geological Model in Large Civil Engineering Project

Soldo Luca
President
Iso@geodata.it

C29 Structure and Behavior of Soil and Rock Mass

Shengwen Qi
President
qishengwen@mail.iggcas.ac.cn
Li Lihui
Secretary
lhli2942@mail.igcas.ac.cn

C32 Engineering Geology and Rural Infrastructure

Jasper Cook
President
jcook@otbeng.com

C34 Marine Engineering Geology

JIA Yonggang
President
yonggang@ouc.edu.cn
Liu Xiaolei
Secretary
ffnlxl_001@sina.com

C35 Monitoring Methods and Approaches in Engineering Geology Applications

Daniel Giordan
President
segreteria@iaeg.it

C36 Engineering Geology for Waste Disposal

YE Weimin
President
ye_tju@tongji.edu.cn
CHEN Yonggui
Secretary
cyg@tongji.edu.cn

C37 Landslide Nomenclature

Hengxing Lan
President
Lanhx@igsnr.ac.cn
Renato Macciotta
Secretary
macciott@ualberta.ca

IAEG Management Committees

Enterprise Committee

Jeffrey R Keaton
Chairperson
jeff.keaton@amecfw.com
Wei Zhang
Assistant Chair
zhangwei@jk.com.cn

Fees and Finance Committee

Jean-Alain Fleurisson
Chairperson
jean-alain.fleurisson@mines-paristech.fr

Membership Committee

Faquan Wu
Chairperson
iaegsg@163.com
Yogendra Deva
Assistant Chair
yogendradeva@gmail.com

Strategic Plan Committee

Scott Burns
Chairperson
burnss@pdx.edu
Mark Eggers
Assistant Chair
mark.eggers@psm.com.au

Technical Oversight Committee-TOC

Scott Burns - Chairperson
burnss@pdx.edu
Jeffrey R Keaton - C01, C19 and C21
jeff.keaton@amecfw.com
Mark Eggers - C4, C25 and C34
mark.eggers@psm.com.au
Maria Heloisa Barros de Oliveira Frascá - C10 and C17
mheloisa2@yahoo.com.br
Louis van Rooy - C16 and C29
louis.vanrooy@up.ac.za
Yogendra Deva - C28 and C32
yogendradeva@gmail.com
Rafiq Azzam - C20 and C24
azzam@lih.rwth-aachen.de
Giorgio Lollino - C35, C36 and C37
giorgio.lollino@irpi.cnr.it

Young Engineering Geologists Committee

Louise Vick
Chairperson
louise.m.vick@uit.no
Morley Beckman
Assistant Chair
mbeckman@kleinfelder.com