



# **IAEG NEWSLETTER**

**Electronic Version**

**Issue No.2, 2015**

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

Edited by the IAEG Secretariat

---

## **CONTENTS**

1. LETTER FROM THE PRESIDENT OF IAEG
2. EXECUTIVE COMMITTEE AND COUNCIL MEETING 2015
3. REPORT OF CONFERENCE 2015
4. NEWS FROM NATIONAL GROUPS
5. FEDIGS COOPERATION AGREEMENT
6. MEETING INFORMATION
7. CONTACT INFORMATION

# 1. LETTER FROM THE PRESIDENT OF IAEG

By Scott Burns



As we head into our annual IAEG council meeting in New Delhi, India, we can look back and say we have had a great year with IAEG! We started off with a terrific meeting in Italy under the leadership of Giorgio Lollino and his committee. At the meeting we had a record number of attendees, abstracts, and pages of printed papers, plus for the first time we did videotaped lectures that went onto the website. The website also continues to improve, again under the leadership of Giorgio Lollino, with easier access to our committees and to our organization and to the videotaped lectures. The bulletin continues to do well under the leadership of Martin Culshaw. We are hitting 200 pages per issue which is superb, and also we now have abstracts in not only two languages, but up to three (if the author's native

language is different from English or French). The treasury for the organization under the leadership of Jean-Alain Fleurisson is very healthy. Our relationship with FedIGS is very strong with our sister societies, and this partnership benefits all of us. All of these successes were done under the leadership of Past President, Carlos Delgado and his executive committee – we thank all of them!

At our council meeting coming up we also have some good challenges to discuss. First, what directions are we going to make with electronic publishing? Second, I appointed a sub-committee to investigate possible fee changes for becoming a member, based on electronic publishing choices. We will discuss that report at the meeting. Last year, we passed two new awards and now must get them started. The STA (Science and Technology Awards) and the TPA (Technology Progress Awards) will be discussed and methods of starting both will be decided upon. Planning for our next congress in September, 2018 in San Francisco, USA is well under way, and a Memorandum of Understanding (MOU) will be signed at this meeting. Ideas for better communications with all members in between our official newsletters will also be discussed – there are some spectacular and cheap possibilities out there.

I am excited for our upcoming meeting. Congratulations to all of those who have helped during this past year, especially Faquan Wu, our Secretary General, who with his staff in China have held the organization together! I got a chance to meet the staff when I was in China for the Fedigs meeting. We also would like to thank our Vice-President for Asia, Yogendra Deva, for his organization of the outstanding conference we will be attending in New Delhi after the Council meeting.

## 2. EXECUTIVE COMMITTEE AND COUNCIL MEETING 2015

By the Secretariat

IAEG has held its Meetings of Executive Committee and Council on October 25<sup>th</sup> and 26<sup>th</sup>, 2015 in New Delhi, India during the Celebrating 50 Years of ISEG—International Conference on Engineering Geology In New Millennium 2015. The president of IAEG, Professor Scott Burns chaired the meetings.

### I. Executive Committee Meeting

All the 12 members attended the Executive Committee meeting on 25<sup>th</sup> October. Scott made the welcome address, the President, Immediate Past President, Secretary General, Treasurer, Vice Presidents, Editor in Chief of Bulletin and Website have given their reports. Some important issues have been discussed referring finance situation, the membership fees recruiting, the proposal for developing strategy of IAEG, relationship with sister societies, Bulletin, Website, the FedGIS meeting and the FedGIS Cooperation Agreement, IAEG-International Research Program (IRP) & IAEG Science-Technology Awards (S-T Awards).

After the Executive Meeting, the India National Group members have been to the meeting room, showing the great welcome to all the IAEG Executive Members.



Group Photo of the ExCom Members



Group Photo of the ExCom Members with the India Group

## **II. The Council Meeting**

The Council meeting was held on 26<sup>th</sup> October, representatives of 26 national and regional groups, 12 Executive Committee members, 3 past presidents and chairmen of 4 Commissions attended the meeting. Professor Resat Ulusay is invited to present the meeting on behalf of ISRM.

The president of IAEG, Scott Burns made the welcome address and gave the activity report of the president.

### **1. The secretariat work**

The state of membership was introduced by the Secretary General, Faquan Wu. IAEG now has 4162 members including 1967 with Bulletin, a big progress compared with the year 2014, a 8% increase has reached. For the the inactive national groups, the Executive Committee members proposed to keep close contact with them by email, phone calls, postal letters and traveling to the national groups. The Secretariat also proposed to promote the development of the discipline of Engineering Geology the developing strategy of IAEG.

### **2. The financial state of IAEG**

Jean-Alain Fleurisson introduced the Financial report of 2015, Budget for 2016. The financial result for 2014 is 49.9k€ in debt, but IAEG still has 394k€ in the bank account. The reason for the negative financial balance of last financial year is mainly because of the payment in 2014 of the last two issues of the 2013 Bulletin which costed 29.5k€ and celebrating of the 50th anniversary of IAEG. It costed 37k€ to print the 50th anniversary book, and 6.5k€ for the Marcel Arnould medal at the Torino conference 2014. All these reasons mainly caused the big negative result for last financial year. But the budgets will get back to normal next year.



### **3. Bulletin**

Martin Culshaw gave a presentation on the Bulletin work, lots of work have been done by Martin and his working team. The presentation shows the progress and also the problems need to be solved in Bulletin work, and the Bulletin may move to on-line only publication in the future.

### **4. Website**

The new IAEG website provides two main developments including efficient management of the web pages and users, and compatibility with the modern devices. During these years three versions of the website have been published in order to follow technological progress and to grant better functionalities to the members. Fresh contents as blog posts, courses, news, and IAEG events are the core of the site and key elements necessary to maintain in step with the times of our Association.

### **5. IAEG Fee Recruiting**

Martin Culshaw gave a report on IAEG Sub-Committee on Fees which consists of Martin Culshaw, Jean-Alain Fleurisson, Giorgio Lollino and Fred Baynes. Martin gave a review on the IAEG fee structure and fee levels, and recommended some changes for the Fees Recruiting.

### **6. Commissions [TOC]**

Carlos Delgado introduced the reports from the members of Technical Overseeing Committee (TOC) on the state of IAEG Commissions. Though some Commissions are closed last year, we still have active Commissions making efforts to push the development of the Commissions. These Commissions are strong and have potential ability to keep moving on. The new established Commission on LANDSLIDE NOMENCLATURE will bring more communications and interactions for IAEG.

### **7. IAEG sponsored meetings**

The Council indorsed the following meetings as the IAEG sponsored activities:

- 1) The International Symposium on Challenges for Engineering Geology and Geotechnics after Natural Disasters on 20th -23th June, 2016 in Sofia, Bulgaria.
- 2) The International Symposium on Marine Engineering Geology (ISMEG 2016) on 21th -23th October, 2016 in Qingdao, China.
- 3) The 2017 IAEG Congress GeoMEast International Conference on 15th -19th July, 2017 in Sharm El-Sheikh, Egypt.
- 4) After secret ballot by the Council, the 11<sup>th</sup> Asian Regional Conference of IAEG was indorsed to be held in Nepal in 2017.
- 5) The International Symposium on Engineering Geology for Urban Sustainability in 2017 in Kuala Lumpur, Malaysia.
- 6) The Council approved the progress report of IAEG Congress 2018 in San Francisco USA.



Scott Burns chairs the Council meeting



Group Photo of the Council Members in New Delhi 2015

### 3. REPORT OF IAEG CONFERENCE 2015

#### ● International Conference on Engineering Geology In New Millennium 2015

##### I. Inaugural Ceremony :

The International Conference on Engineering Geology in New Millennium 2015 was held in Indian Institution of Technology in Delhi, India on 27<sup>th</sup> -29<sup>th</sup> October, 2015. The opening ceremony was held on 27<sup>th</sup> October, with more than 350 delegates from over 25 countries attending the Conference. The Conference also celebrated 50 Years of Indian Society of Engineering Geology (ISEG). On the opening ceremony, the president of ISEG firstly gave a warm welcome to all the attendees. The IAEG President Scott Burns, the Secretary General Faquan Wu and the Vice-president of Asia Yogendra Deva gave address respectively on the opening ceremony.



Photo of the Opening Ceremony

On behalf of IAEG, Scott Burns, Faquan Wu and Yogendra Deva participated the glittering ceremony, along with President Gopal Dhawan and Secretary Raju Mandapalli of ISEG, Secretary of Ministry of Mines, and Director of IIT Delhi.

After the opening ceremony and glittering ceremony, the technical session was held. Keynote lectures on different themes were given by outstanding specialists in the field of engineering geology from different countries. Scott Burns, Ann Williams, Carlos Delgado, Emad Y. Sharif, Faquan Wu, Helen J. Reeves, Janusz WASOWSKI, Joe Roby, Louis Wong, Mohd. J. Ahmed, Martin Culshaw, Paul G. Marinos, Rajinder Kumar Bhasin, Ricardo Oliveira, Robert Goldsmith, Runqiu Huang, Shuichi Hasegawa, Victor Oispov gave keynotes on the conference, having wonderful interaction and communication with the delegates. The Keynote lectures got quite active response from the attendees and leading the interests of the delegates, attracting more attention on the new study on geology science.



Inauguration Ceremony

## **II. Technical Sessions :**

The conference spread over three days from October 27<sup>th</sup> to 29<sup>th</sup> was divided into 32 technical sessions for oral presentation of 125 papers and 28 keynote lectures from noted experts. Besides 17 poster presentations were also planned in two sessions. It is pleasing to note that 90 percent of the presentations were made by delegates with only 10 percent absentees due to unforeseen circumstances or exigencies in their organizations. Papers were received from as many as fifteen different countries.

### **1) Theme I - Investigation Techniques & Exploration:**

Under this theme 19 full papers were received which were divided into three technical sessions 2(A), 2(B) and 2(C). Details of papers are given in annexure IX. Papers relating to new geophysical techniques, remote sensing, influence of geology on layout and on assessment of natural construction materials were presented and appreciated by the audience. There was a highly enlightening talk on “New Frontiers in Geotechnical Engineering: Challenges and Opportunities” by Shri A.B. Pandya, Chairman, Central Water Commission, New Delhi.

### **2) Theme II - Rock Mechanics:**

Eighteen full papers were received under the theme “Rock Mechanics”. They were divided into two sessions 5 (A), 5 (B) and 5 (C) along with one keynote address by Dr Rajbal Singh. All the presentations were quite interesting. Highlights of rock mechanics sessions were involvement of new research, innovative ideas and empirical relationships for Himalayan rock Conditions.

### **3) Theme III - Construction Stage Engineering Geology and Geotechnical Investigations:**

This theme was attractive for the delegates and twenty seven full papers. The presentation were divided into six different sessions 3 (A), 3 (B), 3 (C), 3 (D), 3 (E) and 3 (F). Topics of various papers covered mainly construction stage geological problems and solutions. Presentations on new methods such as tunnel seismic prediction, use of geo-informatics, pre-construction stage geotechnical evaluations, 3 D wedge analysis and adjustment of rock mass classification in deeply buried tunnels. Lot of question and answers and interaction during tea or lunch breaks was visible soon after these sessions.

### **4) Theme IV – Geotechnical Engineering and Soil Mechanics:**

Excellent papers were received under the above theme also. Overall eleven papers were divided into two sessions namely 6 (A) and 6 (B). There were excellent key note lectures on Problematic soil foundations a very burning and relevant topic for geotechnical engineers and on soil strength.

### **5) Theme V – Geotechnical Studies and Engineering Design of Large Caverns:**

Nine full papers were received under this theme and were presented through session number 9 (A) and poster sessions also. Papers related to underground oil storage caverns were presented in thoroughly professional manner by the delegates together with one presentation on numerical modeling as well.



## **6) Theme VI – Mining:**

An exclusive session 7 (A) was devoted for mining as seven full papers were received. The papers covered both surface and underground mining operation w.r.t. Stability. Environmental aspects were also covered. This session was also well attended and received by the audience.

## **7) Theme VII – Hydrology, Groundwater and Geo-environment:**

Under the above theme twelve papers were received. Two sessions 11 (A) and 11 (B) were successfully completed with interesting presentations regarding, sedimentation, GLOF studies, groundwater contamination etc. Keynote lecture associated with theme was quite informative and presented by Dr Rajinder Bhasin from NGI Norway and was based on his research in rainfall induced landslides.

## **8) Theme VIII - Landslide Studies, Hazards and Seismicity:**

This theme was most popular and attracted twenty nine full papers. In addition eight key note lectures by well known experts were also in the program. This involved six sessions to complete the presentations. Interesting topics were chosen by the authors ranging from landslides, stability, rock slopes, analysis, seismicity, tectonics, etc. Lecture on Urban landslides by Prof. Scott Burns was very interesting with several other presentations by Indian experts such as Dr Prabhash Pandey and Dr Sujit Dasgupta.

The video recordings of all Keynote Lectures and Inaugural and Valediction programmes have been hosted on the website of the IAEG ([www.iaeg.info](http://www.iaeg.info)). The videos shall be available on the website for one year, i.e. till October 2016. The videos can also be accessed at the ISEG Websites.



Session under progress in Mail Conference Hall



Presentations at Main Conference Hall, Venue A

### III. Closing Ceremony

The closing ceremony was also well attended and Chaired by Dr Scott Burns, President IAEG who said that he was very pleased to attend the conference and associated deliberations. President ISEG

and Chair Organizing Committee also said that the conference was conducted with unprecedented popularity. Veteran Members of ISEG were felicitated during the Valedictory session. Dr Gopal Dhawan, President ISEG and Chairman, Organising Committee honored the senior members with shawls. The IAEG Best paper awards for the year 2013 and 2014 were also announced by the Editor, ISEG. These awards have been revived by the OC to commence the Golden Jubilee Year of the ISEG. The honors were given to the authors of the best technical papers / articles published in Journal of Engineering Geology and ISEG News. Dr. Scott Burns, President IAEG also released the latest issue (October 2015) of the ISEG News. Dr. Scott Burns, President IAEG also released the latest issue (October 2015) of the ISEG News. The same was distributed among the distinguished gathering. Subsequently results of the New Council of the ISEG for term 2016-17 were announced by Shri. M. Raju, Secretary, ISEG and Organising Secretary EGNM. He thanked the present council members and the members of the Organising committee for excellent organization of the conference. The Conference was followed by field tour to the two major hydropower projects viz. Tehri and Nathpa Jhakri hydroelectric power projects located in the Himalayas. Detailed tour reports are enclosed as annexure XIV and XV.



Felicitations of IAEG President and Secretary General



Felicitations ceremony of Veteran Professionals

### ● **Report of 10<sup>th</sup> IAEG Asian Regional Conference 2015**

The 10<sup>th</sup> IAEG Asian Regional Conference was held in Kyoto University, Japan 26-29<sup>th</sup> September, 2015, with about 230 delegates from 12 countries attending the meeting.

The conference was organized by IAEG Japan National Group, Japan Society of Engineering



Geology (JSEG), and Kyoto University. And 5 well-known societies co-organized the conference; they are Japan Landslide Society, Japan Geotechnical Consultants Association, Society of Exploration Geophysicists of Japan, Geological Society of Japan, and Japanese Geotechnical Society.



Group photo in the opening ceremony

Main theme of the conference is Geohazards and Engineering Geology, and 4 topics. They are Topic 1, Landslides, debris flows, and rock mass collapse, Topic 2, Neotectonics and Geohazards, Topic 3, Engineering geology of construction and maintenance, and Topic 4, New Technology. The conference has received 165 technical papers. JSEG published the conference proceedings of USB memory and collection of abstracts has been organized.

The conference opening ceremony was held 9:30 in the morning, on 26th. Sanukite concert was performed in the silence by the performer, Ms. Megumi Hattori at the beginning of opening ceremony. Sanukite is a kind of Andesite, and have very hard quality and high sound by hitting.

Masahiro Chigira, the chair of organization committee delivered opening speech and introduced the reason of the conference theme and the history of Asian Regional Conference (Originally called Asian Symposium of Engineering Geology). Shuichi Hasegawa, president of JSEG made welcome speech and introduction of the recent activities of Japan Society of Engineering Geology. Faquan Wu, IAEG Secretary General and past vice president for Asia delivered opening address on behalf of the IAEG executive board. Yogendra Deva, IAEG vice president for Asia made address on behalf of Asian region.

Six keynote speakers were invited to give lectures. On 26th, Faquan Wu delivered the lecture on Positive reinforcement method for rock slope. Masahiro Chigira made summary of Geohazards in Asian countries. Shinji Toda, Tohoku University introduced Hazard assessments on active faults in Japan.



On 27th morning, Gyo-Cheol Jeong, President of Korean Society of Engineering Geology made the report on Slope hazards and landslides triggering factors in Korea. Yogendra Deva reported natural damming in the Himalaya and its impact on hydropower development. Liyuan Fei, Central Geological Survey of Taiwan, introduced National LiDAR mapping program to zonation of the geohazards in Taiwan.

Thirteen sessions of fore topics were arranged in the conference. In these sessions, 81 engineering geologists made the oral presentations. 30 presentations for Topic 1, 13 for Topic 2, 25 for Topic 3, 13 for Topic 4 were reported respectively.

Five invited speakers out of them, as for Topic 1; Chuan tang from China, Topic 2; Shuichi Hasegawa from Japan, Topic 3; Janusz Wasowski from Italy, and Topic 4; Hidekazu Yoshida from Japan made the oral presentations respectively. As for special report, Ranjan Kumar Dahal from Nepal reported 2015 Gorkaha Earthquake. On 26th afternoon of Poster session, 79 scholars made poster presentations. 33 of Topic 1, 9 of topic 2, 26 of Topic 3, and 11 of topic 4 were presented.

In the welcome party, Daiei Inoue made a speech as the first proposer for Asian Symposium. Opening of big barrel of Japanese Sake, Japanese drum were performed and traditional Indonesian dancing was joined.

The conference closing ceremony was made in the afternoon of 27<sup>th</sup> Sep. Masahiro Chigira introduced excellent technical papers, and made closing remarks.

Field Trip was made on 28th Sep. for investigating the landslides in the mountain area about 100km far south of Kyoto, and on 29th Sep. visiting cultural asset in Nara City and the dam under constructing of additional large tunnel spillway. It was best condition for the Field Trip.

On 27th lunch time, IAEG Asia National Group's Meeting was held. Participants were 5 from Japan, 3 from China, 2 from Korea, 2 from Taiwan, India, Dubai, Viet Nam, Indonesia, and Nepal. Meeting chair, Yogendra Deva made the Agenda of the meeting. After reporting of each national group condition, meeting members mainly discussed for the country of next 11th Asian Regional Conference.



**Field Trip, investigating of landslide**



**Group photo of conference committee**

## **4. NEWS FROM NATIONAL GROUPS**

### **ALBANIA**

During 2014-2015 y. ANG of IAEG is involved in all activities held for the protection of the environment in Albania and 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 : landslides, water resources ,the environmental issues for the hot points in Albania, geohazards etc.

We 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.

We have 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.

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.

The main presentations are prepared for TV KLAN , TOP CHANNEL TV, A1 Report TV.

In collaboration with A1 REPORT TV is prepared a documentary movie :Rodoni cape –Existence of Coastal Pearl in the” hand “of the erosion .This documentary can be seen in youtube .com – A1 Report TV.

In TV KLAN is organized a discussions on the earthquakes in Albania , where are participated Prof.Defrim Shkupi , Dr.Ylber Myceku etc.

Prof Dr.Betim Muco has participated in two emissions on TOP CHANNEL TV –Déjà vu and in VIZION + TV. –Arratia e Peshkut te Kuq ( Escape of Red Fish)- where is presented his great contribution on Earth Sciences and in Literature.

In this occasion we want to inform you that Prof.Dr.Betim Muco is dead suddenly in Maryland ,USA ,on January 15,2015 .

You are kindly requested to publish a short necrology on IAEG News, that we have prepared.

**President of ANG of IAEG**

**Prof.Dr. Defrim Rusi Shkupi**

## Necrology

### **Prof.Dr. BETIM MUCO ( 1947- 2015 )**

Prof.Dr. Betim Muco was a seismologist, writer and translator, born in Tirana, the capital of Albania, on January 21, 1947. He graduated in nuclear physics from the University of Tirana in 1970 y., specializing in seismology. He held a PhD in Earth Sciences. Muco's scientific career spans more than four decades. He contributed to the practice and the development of seismology in Albania and the Balkans through his work at the Albanian Seismological Institute (1974-2001y.). He was Director of the Seismological Institute from 1993 to 1997y. As Director of the Seismological Network of Albania, he led several international and regional projects and published a wide array of scientific articles and books.

From 1998 to 2005 y. Betim Muco co-led two NATO Science for Peace projects on Seismology. In 2001y. he moved to the USA, with his family, and received U.S. citizenship as an "Exceptional Ability Individual in the Sciences and Arts, who would substantially benefit prospectively the national economy, cultural interests of the United States."

From 2001 Muco lived and worked with his family in Rockville, Maryland where he continued his scientific work. He was Science Editor and Translator at General Dynamics Information Technology and a consultant for the Incorporated Research Institutions for Seismology (IRIS) in Washington D.C.. He presented many scientific papers in many Conferences in the USA and Europe. He wrote a series of papers on the correlations between rain and earthquakes in the state of Virginia.

Muco was also a writer and poet. He went to write and publish more than 25 books of poetry, short stories, novels and essays. He won several literary awards in Albania and overseas.

Many of his poems and short stories have been translated and published in English, Russian, French, Dutch, Romanian and Turkish.

He also was a translator into Albanian of works of Graham Green, Saul Bellow, Yukio Mishima, Reiner Maria Rilke, James Joyce, Vladimir Nabukov and Alice Munro.. In 2008 y. he translated into Albanian an "Anthology of World Poetry of 20 th Century" including the works of 135 world poets.

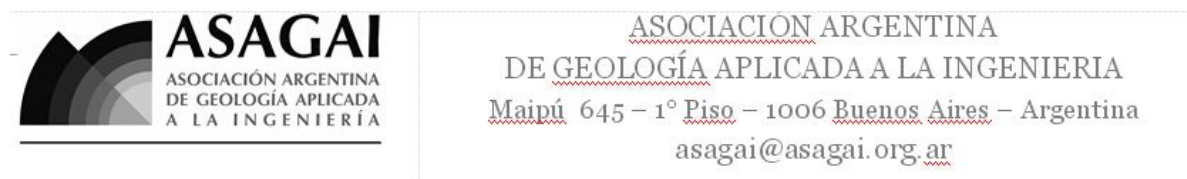
On the evening before his death he was putting the finishing touches to his latest novel: "THE STARS ARE QUITE CLOSE" which is published post-mortem.

Betim Muco was Honorary Consul of Japan in Albania in the 1990y.

During a post-doctorate program of the University of Tokyo (1990-1991), he developed close ties with Japan, its culture and especially its community of seismologists.

Prof.Dr. Betim Muco was a main member of the Board of ANG of IAEG, since the foundation (1994). He has participated in many activities of our Association in Albania and abroad. His death is a great loss for all us.

## ARGENTINA



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

### Current office holders:

President:	NORBERTO JORGE BEJERMAN
Vice President:	FABIO SERGIO LUNA
Secretary:	CRISTINA DAPEÑA
Treasurer	LUIS MARIO GIACONI
Nominal Member:	MABEL MENA
Nominal Member:	RUBÉN ALVARO LÓPEZ
Substitute Member:	MARTÍN EDUARDO GUICHÓN

Number of members with Bulletin: 37

### Activities 2014

- \* Creation of the Working Group "The Cities. Development and environmental, geological and geotechnical context". Chairperson: Luis Mario Giaconi. Secretariat: Liliana Abascal, Norberto Jorge Bejerman and Mirian G. Viqueira Palazzo. Assessor: Sergio Mora Castro.

Email address: [ciudades@asagai.org.ar](mailto:ciudades@asagai.org.ar)

- \* Workshop seminar "Environmental impact evaluation as a management tool" Buenos Aires, September 17th – 19th, 2014. Lecturer: MSc Geól. Norberto Jorge Bejerman.
- \* Publication of the Journal of Geology Applied to Engineering and the Environment, N° 33.

### Activities 2015

- \* Organization of the Course "Studies of rock mass for engineering works" Córdoba, April 16th – 17th, 2015. Lecturer: Lic. Daniel A. Sales
- \* Course "Concepts and methods in Geology applied to engineering works" Buenos Aires, May 11st – 15th, 2015. Lecturers: Lic. Luis Mario Giaconi (La Plata National University, UNLP) Lic. Fabio S. Luna (INTI) Dra. Cristina Dapeña (INGEIS, CONICET-UBA) and Lic. Daniel A. Sales (San Luis National University)



- \* Publication of the Journal of Geology Applied to Engineering and the Environment, N° 34.
- \* Creation of the Young Professionals Group “Sub 40”. Chairpersons: Julia Löffler and Alejandro Celli. Email address: [sub40@asagai.org.ar](mailto:sub40@asagai.org.ar)
- \* Organization of the Course "Urbanization hydrological effects". Buenos Aires, August 26th, 2015. Lecturer: Dr. Eduardo Kruse
- \* Symposium on Engineering Geology and the Environment. Buenos Aires. August 27th – 28th, 2015.

# BELGIUM

**Belgian Society for Engineering Geology and Rocks Mechanics**

*Société belge de Géologie de l'Ingénieur et de Mécanique des Roches*

**Annual Report – Year 2014**



Reference: Belgian\_report\_for IAEG\_2014

The Belgian Society for Engineering Geology and Rocks Mechanics (SBGIMR in French) is the Belgian branch of the IAEG. During the year 2014, the society kept with its main purpose to be the meeting place of Belgian professionals and academics who are active in the field of engineering geology. To support this purpose, specific activities were proposed to the members:

- 13-06-2014    **Pierre Bérest's lecture: "Very long term behavior of salt caverns ».** Pierre Bérest is research director at LMS, Ecole Polytechnique (France). As a World authority on underground storage of hydrocarbons and salt mining, he described the use of salt caverns in order to store hydrocarbons and commented results of on-site experiments for monitoring the pressure evolution inside such cavities.
- 2-10-2014    **Technical day: visit on the construction site of the Couvin Bypass,** part of the new motorway connection between Charleroi (B) and Reims (F).
- 5-11-2015    **Welcome Meeting for Young Geotechnical Engineers.** During this evening session, students completing their last year of studies, are invited to present their End Of Studies Work in the field of interest of the Society. The best presentation is selected for the annual "Calembert Award" dedicated to the memory of Professor Calembert who can be considered as one of the founders of the Engineering Geological Science in Belgium and founder of the Belgian branch of the IAEG.
- 8-12-2015    **Study day in Mons together with the University of Mons (UMONS) on the theme "Shale and Coal Gas: some engineering aspects".** Shale gas has been a major concern in the World for the last years in the context of power supply. In Belgium too, this topic has got increasing interest for engineers, scientists, administrations... But coal gas has to be investigated as well. Several talks were given on various engineering concerns: geology of such formations, reservoir engineering, rock mechanics, drilling, hydraulic fracturing, and environmental concerns. Some case studies were also exposed.

In 2014 the membership of the society reaches 74 members.

# **BRAZIL**

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

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

## **2. Names of current office holders**

**President:** Adalberto Aurélio Azevedo

**Vice-President:** Delfino Luiz Gouveia Gambetti

**Secretary:** Alessandra Cristina Corsi

**Secretary Adjunct:** Fabricio Araujo Mirandola

**Treasurer:** José Luiz Albuquerque Filho

**Treasurer Adjunct:** Marcelo Denser Monteiro

**Communication:** Luiz Antonio Pereira de Souza

**Communication Adjunct:** Emilio V. Barroso

**Events:** Kátia Canil

**Events Adjunct:** Fernando Kertzman

**Publications:** Eduardo Soares de Macedo

**Publications Adjunct:** Cássio Roberto da Silva

**Teaching and Young Professional:** Leandro Eugênio da Silva Cerri

**Executive Secretary:** Renivaldo Campos

## **3. Contact Address:**

*Head Office*

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

CEP 05508-901 - São Paulo – SP - BRAZIL

Tel: 55-11-3767.4361

E-mail:

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

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

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

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

ABGE has his head office in São Paulo City, three subgroups (Rio de Janeiro, Belo Horizonte and Porto Alegre cities) and 12 regional representatives in different state capitals of Brazil

## **4. Membership information – 2015**

1436 ABGE members professionals associated

32 Associated Companies

Among Brazilian professional associates we have 44 IAEG MEMBERS: **30** members with bulletin; **13** members without bulletin and **01** associate member

## **5. Activities**

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

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

During this period, ABGE has organized the following activities:

## **6. ABGE Events (in Portuguese)**

- EVENT: Disasters in 2014 in Southeastern Region, in Rio de Janeiro in September, 2014
- EVENT: Disasters in 2014 in Southeastern Region, in Minas Gerais in September, 2014
- COURSE: Natural Geological Risks, in São Paulo, in September, 2014
- EVENT: Perspective the use of TBM in Brazil and TBM performance analysis in Gastau and Launch of online transmission system ABGE , in São Paulo, October, 2014
- COURSE: Drilling Classification, in October, São Paulo, 2014
- COURSE: Applied Geophysics to Engineering Geology, Geotechnical and Environment, in São Paulo, October, 2014
- COURSE: Land Contamination – Site Investigation and Management, in São Paulo, November, 2014
- COURSE: Drilling Classification, in February, São Paulo, 2015
- SYMPOSIUM: 9th Brazilian Symposium of Geotechnical and Geological Mapping, in April 2015, Cuiabá (MT)
- COURSE: Applied Geophysics to Engineering Geology, Geotechnical and Environment, in Rio de Janeiro, April, 2015
- COURSE: Tunnels : Research , Modeling , Project and Technical monitoring of the Work, in São Paulo, May, 2015
- COURSE: Erosion and Sediment Control, in São Paulo in May, 2015
- COURSE: Drilling Classification, in June, Rio de Janeiro, 2015
- COURSE: Drilling Classification, in August, Belo Horizonte, 2015
- COURSE: Natural Geological Risks, in São Paulo, in August, 2015

### **6.1. Supporting Events (in Portuguese)**

- CONGRESS: 47th Brazilian Congress of Geology , Salvador, September, 2014
- CONGRESS: XVIII Brazilian Congress on Groundwater, Belo Horizonte, October, 2014



- EVENT: Milton Vargas Award, São Paulo, October, 2014
- EVENT: First Integrated Sanitation Forum - Tomorrow Waters, São Paulo, November, 2014
- SEMINAR: XXX National Seminar on Large Dams , Foz do Iguaçu, May, 2015
- SEMINAR: SEFE8: 8<sup>TH</sup> Foundations Engineering and Geotechnics Special Seminar - 2nd Industry Fair Foundations and Geotechnics – São Paulo, June, 2015
- National Fair for Sanitation and Environment - FENASAN , Sao Paulo, August, 2015
- 4th LatAm Mine Water Conference, Belo Horizonte, August, 2015

## **6.2. Publications (in Portuguese)**

- BOOK: Soils Permeability Test. Coordinator: Adalberto Aurélio Azevedo and José Luiz Albuquerque Filho
- BOOK: Geotechnics of underground and earth-rocky materials built: beginnings, questions, updates, by Victor de Mello. in partnership to ABMS.
- BOOK: The History of the Mathematization of Nature, by Milton Vargas. Coordinator: Adalberto Azevedo and Eduardo Soares de Macedo

## **6.3. Forthcoming Publications**

- BOOK: Applied Geophysics. Coordinator: Luiz Antonio Pereira de Souza
- BOOK: Murillo: Brazilian Engineering Exponent
- BOOK: Manual back roads of land

## **Technical Journals**

Journal of Engineering Geology and Environmental – Volume 4 – Number 1

Journal of Engineering Geology and Environmental – Volume 4 – Number 2

## **6.4. Forthcoming ABGE Events**

- CONGRESS: 15th Brazilian Congress on Engineering Geology and the Environment, from 18<sup>th</sup> to 22<sup>nd</sup> October 2015, in Bento Gonçalves (RS).

360 technical papers were enrolled, will be distributed according to the Thematic Symposiums and 10 Technical Sessions, very significant number and that consolidates, more and more, the congress ABGE as the main discussion channels and exchange of knowledge in engineering geology area and environmental.

In this congress, we will have Agora Space, one of the novelties of the event. The Agora space is, like the space used for large discussions in ancient Greece, an area devoted primarily to technical discussion, with simultaneous oral presentations, organized according to different themes that make up the agenda of the congress.

The congress organization has given great importance and opening special spaces for discussion of extremely important issues in today's Engineering and Environmental Geology, as erosion Navy, river erosion, erosion in Dam Reservoirs margins, occupancy problems in the Amazon, Education and Research in Engineering and Environmental Geology, among others.

The event will also be attended by some international experts such as Prof. Dr. Scott Burns, Dr. Sergio Mora and Steve Parry, respectively, President of IAEG, UN consultant and coordinator of the Technical Committee 25 of the IAEG. Are professionals with extensive international experience and that should bring different perspectives on engineering geology, materialized in special lectures to be delivered in plenary. Furthermore, Prof. Dr. Scott Burns and Dr. Sergio Mora minister pre-congress courses.

Another highlight is the Roundtable Special: Risk Management & A Disaster From 2011 where will be discussed the multi-sector program of the government that allowed the coordinated action between the agencies involved, called Risk and Response Management Disaster coordinated by Civil House, built by four axes focused government action in the mapping of risk areas, monitoring and warning system, structural works and, in the medium term, the strengthening of civil protection agencies and support to better urban planning can avoid occupation of risk areas and effective response. At this meeting will be presented the results achieved by 2015 and the schedule for the PPA 2016 to 2019.

The pre-congress courses are also another attractive because, as are aimed at professional training and the dissemination of knowledge, become a fundamental element in a congress where it is expected a large influx of students and young professionals, the main targets of these courses .

Furthermore, the 15th CBGE will feature tourist and social activities through an intense program of tours and visits to different tourist spots in the region, which will provide lawmakers and accompanying greater contact with the beauty and traditions of Serra Gaucha

- CONGRESS: 3<sup>rd</sup> Latin American Congress of Society for Risks Analysis – Latin America, from 10<sup>th</sup> to 13<sup>rd</sup> May 2016, São Paulo (SP)

The Regional Congress 2016 will be the third in the series of conferences organized by the Latin American SRA-LA and will consist of pre-congress courses, conferences, round tables, lectures and technical sessions with presentation of oral papers and posters.

All papers will be reviewed by a Scientific Committee composed of expert members of SRA-LA and ABGE

There will be presentation of some oral work in the Technical Sessions and others in the Agora space where you can display multiple simultaneous oral work in the same place along the lines "Greeks" of public expression, but in a modern and updated way, using multimedia resources.

## **BULGARIA**

After the congress of IAEG in Torrens, the secretary of the Bulgarian National Group of IAEG, spread the materials from the Congress between the members of the group.

Almost all members of the group participated in a few seminars with topics linked with the problems connected with the properties of the weak clays and soils.

Due to the importance of one of Bulgarian major projects in the moment- Struma Highway, in the gorge Kresna-Krupnik, which is an epicenter of one of the most dramatic and devastating earthquakes on the Balkans-  $M=7,8$ ; Richter scale. Not only a big part of the Bulgarian engineering geologists was involved, but also a few very important and highly qualified Members of the IAEG like Prof.P. Marinos, R. Oliveira and others. These professionals helped the Bulgarian Government to take a right decision for the building of the highway.

Right now the Bulgarian National Group is working very hard for the organization of the next IAEG symposium in Bulgaria in 20-23 June 2016 with topic "CHALLENGES FOR ENGINEERING GEOLOGY AND GEOTECHNICS AFTER NATURAL DISASTERS"

**Secretary of Bulgarian National Group Of IAEG:**

**Assoc. prof. Kiril Anguelov**

## **CANADA**

- The Engineering Geology Division (EGD) of the Canadian Geotechnical Society (CGS) has been very active in 2014-15.
- The EGD Executive is represented by seven members from across Canada; the Division, as of January 2015, had 448 members (131 1<sup>st</sup> choice and 317 2<sup>nd</sup> choice).
- The EGD has strong links with the International Association of Engineering Geology. Doug Stead (current EGD Chair) represented Canada at the IAEG Council in Turin, Italy, September 2014. The EGD also has links with the Association of Environmental and Engineering Geologists (AEG) and the newly formed Association of GeoHazard Professionals (AGHP) in the United States.
- We are delighted to announce that Dr. Frank Patton was awarded the Thomas Roy Award (the annual EGD award) for 2014 at the 2014 CGS annual conference in Regina, Saskatchewan. Dr. Patton has made major contributions to engineering geology, his work also spans the disciplines of rock mechanics and hydrogeology. He is considered

internationally as one of Canada's most recognized and respected landslide experts. His work on the Vajont slide (with Hendron) remains one of the most important contributions to modern engineering geology. The winner of the 2015 Thomas Roy Award will be announced at the 2015 CGS annual conference in Quebec City, Quebec, September 20-23 2015

<http://www.geoquebec2015.ca/en>

- The 2014 Robert Schuster Medal was awarded to Dr. Keith Turner of the University of Colorado, US. The Robert Schuster medal is a joint award by Association of Environmental and Engineering Geologists (AEG), the CGS Landslide Committee and the EGD. It recognises outstanding contributions to geohazards research in North America. Established in 2007, this award honours Dr. Robert L Schuster (b 1927), who was the recipient of the first medal. Dr. Schuster has had a distinguished career with the US Army, in academia, with the US Geological Survey and in national and international consulting, primarily in the field of Engineering Geology and primarily related to geohazards. The medal alternates between a Canadian and USA recipient. The 2015 winner of the Robert Schuster medal, a Canadian recipient, will be awarded at the 2015 CGS annual conference in Quebec City.
- During the EGD Executive meeting at the 2014 CGS annual conference, initial plans were discussed for a 1-day Engineering Geology in Canada symposium or short course to be held in conjunction with CGS annual conference in Vancouver, BC, in 2016. This event will involve representatives from Canadian Geological Engineering programs and industry leaders in Engineering Geology. Plans were also discussed for "An Engineering Geology in Canada Monograph"; this initiative will be led by the incoming 2016 EGD Chair, Nick Vlachopoulos.
- The EGD solicited nominations through CGS members for the Canadian entry for the 2014 Richard Wolters Medal. Dr. Matthieu Sturzenegger (Klohn Crippen Berger, Edmonton, Alberta) was selected by IAEG as the Canadian participant in the Richard Wolters Medal competition and travelled to Turin, Italy to present his paper.
- The EGD www page ([http://www.cgs.ca/division\\_engineering\\_geology.php](http://www.cgs.ca/division_engineering_geology.php)) was updated to include www links to other Engineering Geology related societies and to upcoming Engineering Geology events. Links to the IAEG Lecture Series (Prof's Marinos and Crosta) and the 2014 IAEG Conference keynote speaker videos were also added.
- The EGD Chair was Co-Chair of the 1<sup>st</sup> International Discrete Fracture Network Engineering Conference (DFNE 2014) which was held in Vancouver, BC, Canada, October 19-22, 2014. This conference had over 100 papers and five short courses with attendees from more than 20 countries. Dr. Davide Elmo, Past Chair of EGD, was also a member of the Conference Local Organizing Committee.
- Members of the EGD Executive participated in the National and Scientific Technical Committee of the ISRM Congress held in May 2015 in Montreal, Quebec, Canada
- Members of the EGD Executive are also current members of the International Organizing Committee of Slope Stability 2015, sponsored by the Southern African Institute of Mining and Metallurgy to be held in Cape Town, South Africa in October 2015 and the Scientific Committee of Eurock 2016, the 2016 ISRM International Symposium on Rock Mechanics and Rock Engineering to be held in Cappadocia, Turkey.

- The current EDG Chair (Doug Stead) was elected Vice President (North America) of the International Society of Rock Mechanics at the ISRM Council Meeting in May 2015 in Montreal, for the period 2015-19.
- Doug Stead will complete his three year term as EGD Chair December 31 2015 and will be succeeded by the current EGD Vice Chair Dr. Nicholas Vlachopoulos of the Royal Military College, Kingston, Ontario.

## CHINA

*By Shengwen QI*

**1. Name of National Group:** IAEG China National Group

**2. Names of current office holders:**

- President: Prof. Faquan Wu

- Secretary-General: Associate Prof. Shengwen Qi

**3. Contact address:**

Prof. Shengwen Qi

Institute of Geology and Geophysics,

Chinese Academy of Sciences,

Beituchengxilu No.19, Chaoyang District,

Beijing, China

Tel: +86-10-82998055, Fax: +86-10-62040574, E-mail: qishengwen@mail.iggcas.ac.cn

**4. Membership information (for 2015):**

Membership number increases continuously, and it has reached 553 by Aug 1, 2015.

Number of members with bulletin: 171;

Number of members without bulletin: 382; Associated members: 2

Total members: 553

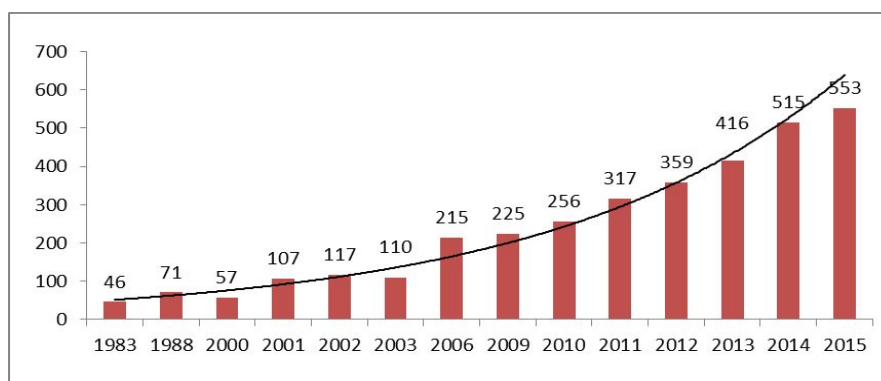


Fig. 1 The change of members of China group from 1983 (by Aug. 1, 2015)



## 5. Activities during 2014-2015

### (1) IAEG Past President Prof. Paul Marinos visited China

Invited by IAEG China National Group, Prof. Huang YU from Tongji University, Tunnel and Underground Engineering Commission, China Civil Engineering Society and The Lanzhou-Chongqing Railway Company, IAEG Past President Prof. Paul Marinos visited Tongji University in Shanghai, and then made a lecture on Tunnel engineering geology in Lanzhou, Gansu Province. Prof. Paul Marinos also had a consulting on tunnel engineering problems in Lanzhou-Chongqing railway construction site.

Prof. Paul Marinos was the Past President of Geological Society of Greece, Vice President of IAEG for Europe(1991-1994) and IAEG President (1995-1998) and awarded IAEG Hans Cloos Medal in 2000. Prof. Paul Marinos makes a long-term contribution on engineering geology of tunnel and dam, with optimizing the tunnel rock mass quality classification system with E. Hoek, publishing over 300 papers and made important speeches in more than 50 international conferences.

During the visit in Tongji University in Shanghai, Prof. Paul Marinos delivered two speeches “Applied Course on Engineering Geology and Tunnelling” and ”Geology in Dam Engineering” for the undergraduate and graduate students of geology engineering, and had a further discussions with the faculties of underground project on the issues such as the education reform and development of geology engineering.

In Lanzhou, Prof. Paul Marinos made a speech on “Engineering geology problems under complex geology condition in tunnel”, introducing many project cases such as the Lyons-Turin high-speed railway tunnel across the Alps in Europe and the undersea tunnel connecting Europe and Africa and tunnel projects in Greece. Also, Prof. Paul Marinos introduced the Hoek-Marinos method on tunnel rock mass quality classification, and the geology model and equipment selection of TBM tunneling construction.



Prof. Paul Marinos gave lecture in Tongji University



Prof. Paul Marinos gave lecture in Lanzhou



Prof. Paul Marinos made consulting in Lanzhou-Chongqing railway construction site

The field survey and engineering consulting in Lanzhou-Chongqing railway construction was invited by Lanzhou-Chongqing Railway Company, Prof. Paul Marinos, accompanied by Prof. Faquan WU, General Secretary of IAEG and President of IAEG China National Group, went to Muzailing tunnel, Xinchengzi tunnel and other tunnels. And a long and fruitful discussion was carried out on the great challenges on the severe failure and deformation of soft rock mass under high in situ stress.

## (2) 4th International Symposium on Mega Earthquake Induced Geo-disasters and Long Term Effects in Chengdu, China

From May 9-13, 2015 the 4th International Symposium on Mega Earthquake Induced Geo-disasters and Long Term Effects was held in Chengdu, China, at the 7th anniversary of the Mw 7.9 Wenchuan earthquake that occurred on May 12, 2008. The symposium was hosted by the State Key Laboratory of Geohazard Prevention and Geoenvironment Protection (SKLGP), Chengdu University of Technology (CDUT) and IAEG China National Group, supported by CDUT, iRALL, IRDR-China and CICGP.

The symposium focused on the six topics:

- Mega earthquake induced geo-disasters and its long term effects;
- Geological disaster assessment and risk assessment in mega earthquake region;
- Initial mechanism and evolution process of mega earthquake region;
- Disaster chain effect in mega earthquake region;
- The prevention, control and monitoring and early warning of geological disaster in mega earthquake

region;

Social effects, process and influence of geological disaster in mega earthquake region.



About 180 scholars around the world attended the symposium. There were 67 oral presentations, including 14 keynote lectures and 22 invited lectures given by experts from 13 different countries. The post field survey was in Qipangou in Yingxiu Town, Wenchuan and Kualiangzi landslide in Zhongjiang.

More details on the symposium please view the report from Anika Braun:

Participant's report on the 4th International Symposium on Mega Earthquake Induced Geo-disasters and Long Term Effects in Chengdu, China

### (3) 2015 National Engineering Geological Conference, Changchun, China

On August 10-11 2015, 2015 National Engineering Geological Conference was organized in Changchun, China. The theme of the congress is "Sustainable Development of Engineering geology and the cold and arid regions". About 750 people attended the congress. Six topics have been discussed during the conference including Environmental engineering geological problems in cold and arid regions, Special engineering geological characteristics of rock and soil mass, Reological environmental effect during resource development, Engineering geological problems in major projects, Engineering geology of resource-exhausted city and New theory, new technology in engineering geology.

The congress accepted 248 papers and abstracts. 7 invited lectures, 11 invited speaker, 144 seminars covering fields of engineering geology. Many enterprises joined the exhibition. The collected papers have been published by Journal of Engineering Geology.

The congress was hosted by IAEG China National Group, co-organized by Ocean University of China, Qingdao Institute of Marine Geology, China Geological Survey, The first institute of oceanography, State Oceanic Administration, and Co-Sponsored by The China National Natural Science Fund and other 21 institutions.



Opening ceremony of 2015 annual conference



Group photo of China Youth Professional Committee

## 6. Publications

- (1) Six issues of Journal of Engineering Geology (Chinese with English Abstract) have been published.
- (2) Two symposiums for 2014 and 2015 annual conference of Engineering geology in China have been published;
- (3) Published a book named "Chinese Railway Engineering Geology in the past 60s" with 1014 page, and 185 authors took part in this project.

## 7. Plan for 2016

- (1) Publication of The Journal of Engineering Geology, 6 issues in 2016;
- (2) Congress of Chinese Engineering Geology Committee will be held on Oct 13-21, 2016 in Chengdu, Sichuan Province, China.
- (3) Two times high level forms will be held in 2016.



## **FINLAND**

During the year 2015 NG of Finland has been forwarding the intensive and fruitful co-operation with the Geotechnical Society of Finland. The form of this co-operation has been like organising a couple of short excursions to some interesting urban geology targets in the Helsinki region. The NG of Finland has also been a member of the board of the Geotechnical Society of Finland as well a member in a couple of national committees of the Geotechnical Society. All the professional Engineering Geological events are now going to run together with Geotechnical Society.

The number of members in NG of Finland is about 50, but with help of the Geotechnical Society we can reach about 600 geospecialists to give and get any kind of geo-information . Today the Geological Survey of Finland has the main role in operative Engineering Geology of Finland.

Helsinki, Finland 24.9.2015

Pekka Ihalainen, secretary of the NG Finland

[pekka.ihalainen@ykl.fi](mailto:pekka.ihalainen@ykl.fi)

# GERMANY



## Status Report for IAEG Council Meeting Delhi, India

September, 25<sup>th</sup> -26<sup>th</sup> 2015

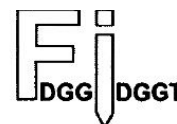


Since 1970, the Engineering Geology Group of Germany is a joint division of the German Geotechnical Society (DGGT, Essen) and the German Society for Geosciences (DGG, Hannover). Membership of the *Fachsektion Ingenieurgeologie* coincides with that of the IAEG-GER.

### Membership Numbers

Members	as per August 2015
DGGT	493
DGG	45
Total	538

### Office Holders (Period 2013 – 16)



Chairman Rafiq Azzam [azzam@lih.rwth-aachen.de](mailto:azzam@lih.rwth-aachen.de)  
1<sup>st</sup> Vice-Chairman Kurosch Thurothuro [kurosch@tum.de](mailto:kurosch@tum.de)  
2<sup>nd</sup> Vice Chairman Christian Wawrzyniak [christian.wawrzyniak@cdmsmith.com](mailto:christian.wawrzyniak@cdmsmith.com)  
Secretary Friederike Meyer [friederike.meyer@cdmsmith.com](mailto:friederike.meyer@cdmsmith.com)  
Assistant Secretary Philipp Blum [philipp.blum@kit.edu](mailto:philipp.blum@kit.edu)

#### Advisory Board

Anna-Maria Meyer [anna.meyer@baugeologie.de](mailto:anna.meyer@baugeologie.de)  
Ulrike Nienhaus [ulrike.nienhaus@t-online.de](mailto:ulrike.nienhaus@t-online.de)  
Jürgen Hesser [juergen.hesser@bgr.de](mailto:juergen.hesser@bgr.de)  
Christof Lempp [christof.lempp@geo.uni-halle.de](mailto:christof.lempp@geo.uni-halle.de)  
Günter Meier [gmeier@dr-gmeier.de](mailto:gmeier@dr-gmeier.de)  
Matthias Nendzanenda [nendzanenda@gbduellmann.de](mailto:nendzanenda@gbduellmann.de)

Office DGGT, German Geotechnical Society Tel. +49 – 201 – 78 27 23  
Attn.: Frau Dr. Kirsten Laackmann Fax: +49 – 201 – 78 27 43  
Gutenbergstr. 43, D – 45128 Essen, Germany [service@dggt.de](mailto:service@dggt.de)

## Current Activities



### (b) Conferences, Symposia and Workshops held

- **IAEG XII Congress** Torino, Italy, 15<sup>th</sup> -19<sup>th</sup> of September 2014 organized by the International Association for Engineering Geology and the Environment,
- **21<sup>st</sup> Conference at the Lake Constance** in Mersburg am Bodensee, 17<sup>th</sup> and 18<sup>th</sup> of October 2014; organized by the National Group of Engineering Geology (IAEG-GER),
- **14<sup>th</sup> Symposium on Abandoned Mines**, 6<sup>th</sup> to 8<sup>th</sup> of November 2014 in Gelsenkirchen, organized by the National Group of Engineering Geology (IAEG-GER),
- **20<sup>th</sup> Conference on Engineering Geology**, planned for 2015 was displaced due to organizational ambiguities; a new planning team including DGGT president and section chairs was built in order to harmonize conference conditions.

## Current Activities



### (a) Information Platform, Publications and Internal Matters

- The design of the domain [www.ingenieurgeologie.de](http://www.ingenieurgeologie.de) is already finished; the managing and advisory board and all chairmen of the working groups have access to create content
- Issuing of up to two newsletters per year via traditional postal distribution and via email.
- In the future the newsletters can also be downloaded free from our website and the members can comment on the current subjects and give remarks or feed back to the chairmen's activities.
- The last general meeting was held in Torino during the IAEG XII Congress, September 2014
- Next board meeting is planned on 27<sup>th</sup> and 28<sup>th</sup> of November 2015



### (c) Commission work



Currently, there are eleven working groups (WG), of which 7 are active. A revision process evoked four new working groups which are launching in the near future.

active	WG 4.1	“Geotechnical Investigation and Testing” (Chair: Volker Eitner)
active	WG 4.2	“Slopes” (Chair: Konrad Kuntsche, Wiesbaden).
active	WG 4.3	„Graduate, post-graduate and further education in Engineering Geology“ (Chair: Kurosch Thuro, Munich).
active	WG 4.6	„Abandoned mines“ (Chair: Günther Meier, Freiberg)
active	WG 4.9	“Historical buildings and natural monuments” (Chair: Stefan Krieg, Stuttgart)
active	WG 4.10	“Drilling and sampling methods and groundwater measurements” (Chair: Ferdinand Stölben, Zell / Mosel)
active	WG 4.11	“Geothermal Energy”, jointly run with the Hydrogeology Group of the DGG (Chair: Ingo Sass, Darmstadt)
launching	WG 4.13	“Engineering geology model of the construction underground“ (Chair candidate: Markus Bauer, Munich).
launching	WG 4.14	“Methods of acquisition, analysis and visualization of engineerin geol. data” (Chair candidate: Tomás Fernandez-Steeger, Aachen).
launching	WG 4.15	“Karstification processes” (Chair candidate: Ulrich Burbaum, Darmstadt)
launching	WG 4.16	“Criteria for underground utilization” (Chair vacant)

### Further activities...

- Nominating chair candidates for the four new working groups in order to initialise the working progress,
- Support for the new chairs to inquire members and identifying objectives,
- Cooperation with DGGT board in order to establish common conference conditions and performances,
- Actualization of the new web site, considering membership’s requirements and suggestions,...



# GREECE

## ACTIVITIES OF GREEK NATIONAL GROUP OF IAEG – 2014-15



President: A. Kaplanidis  
Secretary: V. Marinos  
Treasure: K. Loupasakis  
Members: Ch. Saroglou, G. Tsifoutidis



**The 2014-2015 activities of the National Group of Greece are summarized as below:**

- The national group of Greece has 98 members. Among them 43 are receiving the Bulletin of Engineering Geology and the Environment. Our members are so from the public sector as from the private one. 9 new members were added in 2014-15.
- The directive committee of the Greek national group, introduced after the voting of our members, has been established as following:
  - Chairman: A. Kaplanidis, Secretary: V. Marinos, Treasurer: K. Loupassakis, Members: C. Saroglou and G. Tsifoutidis
- The national group organized a workshop on 28th of May 2015 with title: “Engineering Geology: Development engineering projects and cutting-edge research”. The presentations involved the contribution of Engineering Geology to dam projects, metropolitan railways and big road tunnels, while research projects involved the Efpalinio ancient tunnel, landslide and liquefaction hazard assessment in natural gas pipeline projects and analysis of ground movements with interferometry.
- The Greek National Group of IAEG awarded Professor George Tsiambaos for his admirable and multiannual contribution in the field of Engineering Geology.
- Members of the Greek National Group of IAEG participated actively to international conferences of the association and sister societies: 2nd Eastern European Tunnelling Conference-EETC2014, 10th International Congress of the Hellenic Geographical Society, 9th Asian Regional Conference of IAEG, Beijing, September 2013, ISRM Conference on Soft Rocks-ISSR2014, Beijing 2014.
- The committee of the national group is in continuous contact with its members and informs them for congresses, scientific meetings, lectures and engineering geological developments. Apart from this continuous communication by e-mail, 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 2014.

Andreas Kaplanidis

Vassilis Marinos

President of the National Group of  
Greece

Manager of the Department of  
Hydrogeology

Ministry of Rural Development and Food

e-mail: [andreaskaplanidis@gmail.com](mailto:andreaskaplanidis@gmail.com)

tel.:+30 2108399752

Secretary of the National Group of  
Greece

Assistant Professor of the Aristotle  
University of Thessaloniki

e-mail: [marinosv@geo.auth.gr](mailto:marinosv@geo.auth.gr)

tel.:+30 2310998518

## Hong Kong



IAEG Hong Kong Group

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

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

24 September 2015

### Report to IAEG for India Conference

The Hong Kong Group was formed this year (2015) and registered with the Hong Kong Police as a professional society. This societies registration allows the IAEG HKG to operate in Hong Kong legally and for members of this group to meet together for committee meetings and professional talks or activities.

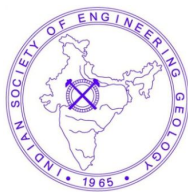
The current posts for 2015-2016 for President, Secretary and Honourary Treasurer of the IAEG HKG are noted above in the header. We will be expanding the committee to include other members and co-opted members required. We are contacting existing IAEG members who are residing in Hong Kong, many of whom are members of IAEG through other professional organisations overseas (e.g. Geological Society of London). Initial indications are that there are over 40 members in Hong Kong. In the next few months we will have a full collection of names. We will be taking in new members directly to the IAEG HKG.

We aim to actively support professional talks, seminars, conferences and field trips of other established organisations in Hong Kong and start to a programme of professional talks / seminars under the IAEG HKG name. We have contacted GSL HKG and they are keen to support our activities. In the meantime we will actively push out information about the IAEG worldwide for those members residing in Hong Kong for their information and possible involvement in Working Groups.

Yours sincerely,

Nigel R Wightman  
President  
IAEG Hong Kong Group

# INDIA



**Dr. Gopal Dhawan, President**  
**Mr. M. Raju, Secretary**

Indian Society of Engineering Geology (ISEG), the Indian National Group of International Association for Engineering Geology and the Environment (IAEG), founded in 1965, is a professional and scientific forum comprising members from the fields of Geology, Engineering Geology, Geotechnical Engineering, Civil Engineering, representing almost all leading organisations engaged in hydroelectric and civil engineering infrastructural developmental projects in India. It was inaugurated by Dr. K.L. Rao, the then Union Minister of Irrigation and Power, Govt. of India on October 15, 1965 at Kolkata and its founder president was Dr. D.N. Wadia, the doyen of Indian Geology. Since then the Society commenced its journey with an aim to promote study of Engineering Geology and allied sciences and now, the Society is going to complete five decades of glorious service to the nation.

As it is evident that the society came into existence in 1965, almost concurrently with IAEG, and functioning as India National Group of IAEG, it is a practice that many of its Life Members subscribe to IAEG. It is to be noted that during the year 2015, 31 Life Members of the ISEG became Members of IAEG with bulletin and 15 Life Members of the ISEG became Members of IAEG, without bulletin.

The ISEG, over years, effectively provided a vibrant platform for discussing and debating a host of geotechnical problems and state-of-the-art technologies; projected Nation's achievements in fields of Geotechniques and allied expertise. ISEG has rich heritage of bringing out standard publications through its half yearly (Biannual) Journal of Engineering Geology, having ISSN number, the only journal of the country dedicated to the science of Engineering Geology.

## **Works initiated in the year 2013**

The ISEG developed a new webpage [www.isegindia.org](http://www.isegindia.org), revamping the existing one, for its effective interaction with its Members and other people. The new website has been designed which has many new features that rendered the new webpage a real new and refreshing look with an aim of having better user-friendly performance.

ISEG also developed an exclusive website [www.joegindia.com](http://www.joegindia.com) for ISEG's Journal of Engineering Geology, which is linked to the main website of the ISEG. The exclusive website of Journal of



Engineering Geology has facility for sending papers directly and have connections to editing and to other peer reviewers.

ISEG News, biannual Newsletter, was launched in March, 2004, showcasing all developments of the ISEG, besides technical articles. The Society with the sincere efforts of its Editor, could release ISEG News of all issues.

The Society conducted a National Workshop on 'Contemporary practices in Engineering Geology and Geohazards' at Hyderabad 14 June, 2013. The Society in association with the Central Board of Irrigation and Power (CBIP) jointly conducted a National Workshop on 'Natural Disaster with special reference to Uttarakhand' on 20<sup>th</sup> December, 2013 at New Delhi. ISEG successfully conducted Geotechnical Orientation Programmes at New Delhi.

ISEG represented at IAEG Conference held at Beijing, China in September, 2013 by displaying a A0 Poster of the Society at the Conference venue with the help of a few active members of the Society along with Shri Yogendra Deva, Past Secretary who participated the Conference.

#### **Works initiated in the year 2014**

Now, as the Society will be completing 50 years of its glorious service, it is proposed to celebrate its Golden Jubilee and to commemorate the event, it is further proposed to organise an "International Conference on Engineering Geology in New Millennium" (EGNM), scheduled on 27-29 October, 2015 at IIT Delhi, New Delhi. The focus of the Conference will be on contemporary practices and futuristic trends in the field of Engineering Geology and Geo-hazards, enabling practicing engineering geology fraternity to be enriched further with state of the art for better comprehension. ISEG released three Circulars on the Conference and a Brochure for Sponsorships, inviting sponsorships, advertisements and other commercial related aspects. ISEG finalised Event Management Group, "Meetings and More", Gurgaon to conduct the event and to facilitate organising other related issues. ISEG launched yet another website [www.egnmindia2015.org](http://www.egnmindia2015.org) exclusively for use of ensuing 'International Conference on Engineering Geology in New Millennium'.

It is proposed that as a sequel to the Conference, Technical Excursions will follow in subsequent days of the Conference. Two such sites were identified, (i) Nathpa-Jhakri Hydroelectric Project, Rampur, Himachal Pradesh and (ii) Tehri Hydroelectric Project, Uttarakhand. Visits to both the projects will be organised simultaneously, so that the participants can choose and attend only one project. Excursion Guides were prepared for both the projects and posted in EGNM website.

ISEG could obtain the consent of IAEG to sponsor the event. Further, IAEG has also agreed to organise its Executive meeting and Annual Council meeting at the same venue on 25<sup>th</sup> and 26<sup>th</sup> October, 2015 respectively, coinciding with the EGNM. It will help to attract participation of a good number of participants across the globe and experts in the discipline to join the Conference, which will certainly elevate importance of the Conference.

ISEG organised to display A0 size poster on ISEG and its EGNM 2015 at IAEG Conference at Torino, on September, 2014. ISEG organised "National Seminar on Engineering Geology,

Geotechniques and Geohazards - A quest for excellence”, at Kolkata on 10<sup>th</sup> July, 2014. Further, ISEG successfully conducted Geotechnical Orientation Programmes at Dehradun in 2014.

As the term of present Executive Council is for 2013-14, the General Body of the Society extended its term for one more year, till the end of 2015, to facilitate smooth conduct of ISEG’s Golden Jubilee celebrations towards the end of 2015.

### **Works initiated in the year 2015**

On our invitation to Abstracts for EGNM-2015, about 200 Abstracts and about 100 full papers were received, which were scrutinised by the Editorial Board, consisting of a panel of experts. Keynote speakers / Invited lectures were identified from national and international experts and special requests were sent to them for their participation. On receiving their consent, about 24 Keynote speakers / Invited lectures were finalised, who will present their addresses during prime time of the Conference. Further, it is proposed to bring out a Special Volume, to commemorate Golden Jubilee of the ISEG, which will highlight history and various anecdotes in the development of ISEG. Dignitaries, especially veterans associated with the ISEG since long, have been identified and requested them to contribute to this volume. It is also proposed to bring out a Souvenir during the Conference, which will accommodate advertisements, a few articles etc. As the Organising Committee intends to organise the international event with a global edge, conducted several meetings of the Organising Committee time to time at Nagpur, Kolkata and New Delhi to discuss various issues pertaining to organising the Conference. The Organising Committee of EGNM-2015, under the stewardship of Dr. Gopal Dhawan as its Chairman, is now fully involved in preparations of the event. With the full co-operation being extended by the IAEG, it is certain that the event will be a grand success.

### **Rocscience-ISEG Workshop on Numerical Modelling in Rock Engineering**

As a part of ISEG Golden Jubilee celebrations, ISEG is scheduled to organise a two day **Rocscience-ISEG Workshop on Numerical Modelling in Rock Engineering** on 25<sup>th</sup> and 26<sup>th</sup> October, 2015 at IIT Delhi, the same venue of EGNM. The workshop will be delivered by Rocscience ([www.rocscience.com](http://www.rocscience.com)) in association with ISEG. The objective of this workshop is to provide a background on the numerical modelling for rock engineering problems using two and three-dimensional finite element tools. The participants will be provided with *RS2* and *RS3*, state of the art 2- and 3-dimensional geotechnical software which are being used around the world.

### **Election Notification to the ISEG Executive Council for the Term 2016-2017**

As the term of the present Council comes to an end in December, 2015, nominations for the next Council (Term 2016-2017) are invited and formulated a calendar for the process. The process will be completed and members of the next Executive Council will be declared towards the end of 2015.

# ITALY



## Italian National Group of International Association of Engineering Geology and the Environment

### Italian National Group activities report

The election of the new president of the Italian section took place on April 16, 2015. The election renewed the executive committee, now mostly composed by young members belonging to University and Research institutions and to the industrial sector. The new NG President is Prof. Giovanni Crosta, Full Professor of engineering geology at the University of Milano Bicocca and past Editor in Chief of "Engineering Geology". Daniele Giordan, researcher at CNR IRPI in Turin, has been nominated secretary of the NG.

In September 2014 the XII IAEG International Congress was held in Torino with more than 1200 participants. One of the positive results of the International Congress on the Italian National Group has been the increase of the number of Italian IAEG members. In fact, the policy adopted for the Congress consisted in offering a discount for the IAEG members equivalent to the annual fee for the Italian IAEG.

The Congress Proceedings collected 1300 contributions organized in eight volumes (totaling 8643 pages), that were subjected to two reviews completed with a very tight schedule. The organization secretariat maintained strict contacts with Springer to have complete indicization of the volumes.

In September 2015 Springer announced that the Congress Proceedings have been indexed and entered in the Thomson Reuters database. This result emphasizes the high quality of the contributions and extends their relevance over the time.

Presently, the Council is discussing new activities to be launched for the next years and in particular the possibility to organize visits to the largest engineering projects under construction in Italy, and to increase activities directed to attract students towards IAEG activities.

Italian National Group President

Prof. Giovanni Crosta

Italian National Group Secretary

Dr. Daniele Giordan

# JAPAN

By Masahiro CHIGIRA

## 1. Name of the National Group:

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

## 2. Name of Current Office Holders

President for IAEG Japan National Group: Masahiro CHIGIRA

President for JSEG: Shuichi HASEGAWA

Secretary General for IAEG Japan National Group: Takao CHAISHI

## 3. Contact address:

Ochanomizu Sakurai Bldg. 7F, 2-3-14, Kanda-Surugadai, Chiyoda-ku, Tokyo 101-0062, JAPAN

Tel. +81-3-3259-8232, Fax. +81-3-3259-8233, e-mail. [iaeg-japan-ng@jseg.or.jp](mailto:iaeg-japan-ng@jseg.or.jp)

## 4. Membership Information:

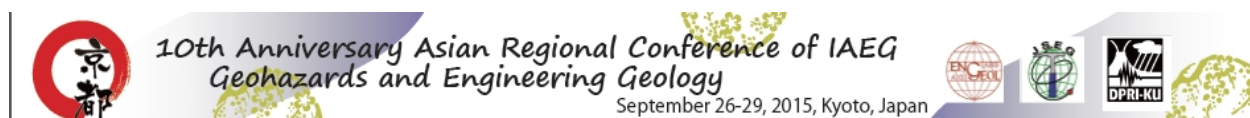
With Bulletin:85, Without bulletin: 3, Associated members: 6

## 5. Activities during 2014-2015

- An annual study meeting of JSEG was held at Kyusyu University in Fukuoka on October 29 to 31, 2014 with about 300 participants and 130 technical papers.
- The JSEG reported the investigation result of Hiroshima Debris flow induced by heavy rain fall in last year for Hiroshima civil people on Feb. 21.
- The JSEG held its General Assembly for 2014 in Tokyo on June 12, with about 215 participants, accompanying a technical symposium with a theme “Reliable and effective geological investigation together with exploration geophysicist technology”. Two special lectures and 6 technical reports were performed and discussed.
- Publications: Six journals of the JSEG were published.

## 6. Anticipated activities during 2015-2016

- The JSEG and Japan National Group will hold its General Assembly in Tokyo on June, 2016.
- The JSEG will hold an annual study meeting in Sendai, Tohoku on October, 2016.
- Publications: Six journals of the JSEG will be published.



## IAEG 10<sup>th</sup> Asian Regional Conference in Kyoto

- IAEG Japan National Group and JSEG successfully held 10th anniversary of Asian Regional

Conference on September 26 to 29, 2015 with the support of Kyoto University. Japan is the birth place of Asian Regional Conference (Symposium) which was held in 1997, Tokyo. Main theme of this memorial 10<sup>th</sup> conference was “Geohazards and Engineering Geology”. Over 200 participants attended from Japan, China, Indonesia, Taiwan, etc. from 10 countries and about 165 technical presentations were made. Field excursion was made for investigating the landslides in the mountain area south of Kyoto, and visiting the dam under constructing of additional tunnel spillway.

## LITHUANIA



**VILNIAUS UNIVERSITETAS**  
*Vilnius University*

Gamtos mokslų fakultetas  
*Hidrogeologijos ir inžinerinės  
geologijos katedra*

Faculty of Natural Sciences  
*Dept of Hydrogeology and  
Engineering Geology*

*M.K. Čiurlionio 21  
LT 2000, Vilnius  
Lietuva • Lithuania  
Tel: 370 5 2398283  
Fax: 370 5 2398283*

**Secretary General of Lithuanian National Group of IAEG**  
**Saulius Gadeikis**

E-mail: saulius.gadeikis@gf.vu.lt

Vilnius, 2015.10.02

*To Secretary General IAEG*

### ***Report about activities of Lithuanian National Group of IAEG***

The Lithuanian National Group of IAEG included 10 members (10 with bulletins).

*The members of Lithuanian National Group of IAEG participated and presented their materials (reports) for the following international actions (during 2014):*

1. 8 members to take part in the traditional yearly workshop of the geotechnicians of Baltic States in Riga, Latvia of May 22-24. Themes of workshop: *Unified Classification of Soils and Rocks*. Topics:
  - Comparison on the different classification schemes and principles
  - Methods used for identification and description of soils
  - Classification criteria and identification parameters
  - Possibilities and advantages of establishing the unified soil and rock classification system
2. 3 members of our group take part in meeting with ISSMGE president prof. Frank Roger (2014-03-03).
3. In 2014-04-17 our group organizing seminar: Engineering geological and geotechnical investigation: today situation and perspective
4. In September prof. K. Dundulis made presentation in conference: Old castle territory in Vilnius. Presentation topic: Engineering geological conditions of old castle territory
5. Our group very closely cooperates with Lithuanian geotechnical society. We take part in Geotechnical society council meetings (2014-03-03).

With best regards

Secretary General of Lithuanian National Group of IAEG

Saulius Gadeikis

A handwritten signature in blue ink, appearing to read 'Saulius Gadeikis'.



# PORTUGAL

## **Name of the IAEG National Group:**

Sociedade Portuguesa de Geotecnia (SPG), *Portuguese Geotechnical Society*

## **Names of current office holders:**

President: José Luís Machado do Vale  
Vice-President: Nuno Guerra  
General Secretary: Maria Luísa Braga Farinha  
Assistant Secretary: António Topa Gomes  
Treasurer: Raúl Sarra Pistone

## **Contact Address:**

Sociedade Portuguesa de Geotecnia  
LNEC  
Avenida do Brasil, 101  
1700-066 Lisboa – Portugal

Telephone: 00351 21 844 34 19; 00351 21 844 38 59  
Fax: 00351 21 844 30 21  
E-mail: [spg@lnec.pt](mailto:spg@lnec.pt)  
Web-site: [www.spgeotecnia.pt](http://www.spgeotecnia.pt)

## **IAEG Membership Information 2015:**

- Individual members with bulletin: 57
- Individual members without bulletin: 38
- Collective members: 1

## **SPG Activities during 2014:**

In addition to the regular correspondence from the SPG Secretariat with the General Secretary and the Treasurer of the IAEG, regarding the members of the SPG which are also associated IAEG, the activity with the International Association summed up the participation as National Group of Portugal in the Council of the IAEG held in Torino, Italy on 14 September, represented by Prof. Ricardo Oliveira, Past President of the IAEG, preceding the XII International Congress “*Engineering Geology for Society and Territory*”.

Prof. Ricardo Oliveira presented in this Congress one of the keynote Lectures “*Optimization of Large Civil Engineering Projects from the Environmental Point of View*”.

At the opening session of the Congress was made the presentation of the Book celebrating the fiftieth

anniversary of the IAEG. Prof. Ricardo Oliveira is one of the authors of the book as well as one of the editors.

Our member Dr. Telmo Jeremias was one of the candidates for Vice President of Europe. The Italian candidate Dr. Giorgio Lollino was elected.

About 20 IAEG members of SPG have attended the XII International Congress.

### **Other SPG Activities during 2014**

- SPG organized the 10<sup>th</sup> Annual meeting, on the 19<sup>th</sup> of March of 2014 in Lisbon, Portugal
- SPG organized the 14th Geotechnical National Congress (6<sup>th</sup> to 9<sup>th</sup> April 2014) in Covilhã, Portugal, under the subject Geotechnics Infrastructure.
- SPG also organized the Young Geotechnical Conference 2014, on 6th April of 2014, Covilhã, Portugal and the 4th Luso-Spanish Geotechnical Conference, on April 7, 2014, with the subject Geotechnics Rehabilitation Works, Repair and Maintenance.
- SPG organized the XXXI Manuel Rocha Memorial Lecture, in November 10, 2014, Lisbon, Portugal.
- SPG Published the Book “*Tunneling in Portugal*”, with the text in Portuguese and English.
- SPG delivered a Newsletter every two months. In 2014 were published issues 4 to 10.
- SPG published the Journal Geotecnia (No. 130, 131 and 132).

# ROMANIA

By Cristian Marunteanu



## ASOCIATIA ROMANA DE GEOLOGIE INGINEREASCA

A. R. G. I.

ROMANIAN ASSOCIATION FOR ENGINEERING  
GEOLOGY

ASSOCIATION ROUMAINE DE GÉOLOGIE DE  
L'INGÉNIEUR

Str. Traian Vuia, nr. 6, 020956, Bucuresti, Romania; Tel.: 40 21  
3181588; Fax: 40 21 3181557; E-mail: [crimarunteanu@yahoo.com](mailto:crimarunteanu@yahoo.com); Web:  
[argi.info.ro](http://argi.info.ro)

Bucharest, June 2015

- **Name of the National Group:** *Romanian Association for Engineering Geology – RAEG (Asociatia Romana de Geologie Inginereasca - ARGI)*

The *RAEG* is affiliated as independent organization to the Geological Society of Romania.

- **Names of office holders (2014-2015):**

Prof.Cristian Marunteanu (University of Bucharest) – President

Assoc.prof. Mihaela Stanciucu (University of Bucharest) – Secretary and Treasurer

Dr. Constantin Privighetorita (GEOTEC Bucharest) - Vice-President

Dr. Ervin Medves (ERM Bucharest) - Vice-President

- **Names of current office holders (since 5 June 2015):**

Assoc.prof. Mihaela Stanciucu (University of Bucharest) – President

Emilia Milutinovici – Vice-President

Sorin Mihai – Scientific Secretary

Mihaela Roca – Treasurer

Cristian Marunteanu – Past President

**- Contact address:**

Assoc.prof. Mihaela Stanciucu *Faculty of Geology and Geophysics*

***Str. Traian Vuia, No. 6, 020956, Bucharest, ROMANIA***

Tel. +40 21 3181588

**Fax: +40 21 3181557**

Mobile: +40722696986

E-mail: stanciucumihaela@yahoo.com

Web site: www.argi.info.ro

**- Membership information:**

- 20 IAEG members with bulletin;
- 1 IAEG associated member with bulletin
- 13 IAEG members without bulletin;
- 39 members of the national group.

**- Activities during 2014 – 2015 (since IAEG XII Congress, Torino, September 2014):**

- ***Round tables organized by the RAEG***, with participation of engineering geologists from the national group and invited specialists in the field:

- December the 12<sup>th</sup> 2014:

1. Cristian Marunteanu: „XII IAEG Congress, 15-19 September 2014, Torino”;
2. Emilia Milutinovici: “Geotechnical investigation of the foundation ground for highways specific works”;
3. Ion Durdun: „The effect of the groundwater from loessic formations on the site of waste disposal from the Saligny area”;

- February the 27<sup>th</sup> 2015,

1. Viorica Ciugudean ”Engineering geological works for the metro railway Piata Iancului – Pantelimon”

2. Ion Durdun: „General stability of the loessic massifs”

- March the 27<sup>th</sup> 2015, with the theme: Landslide susceptibility and hazard maps – new approaches:

1. Prof.dr.eng. Cristian Marunteanu: LANDSLIDE SUSCEPTIBILITY AND HAZARD MAPS;

2. Eng.geol.dr. George Silvas: Analysis of landslide susceptibility by deterministic methods. Case study Sighisoara area;

- General Assambly, June the 5<sup>th</sup> , 2h p.m., hall I1, Faculty of Geology and Geophysics, 6, Traian Vuia St. With the themes:

1. Presentation of RAEG and Director Committee activity;

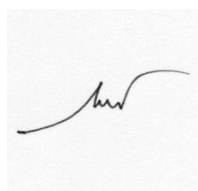
2. Discussion and voting of the new RAEG Statute;

3. Election of the new leading structures of the RAEG (Executive Council, Censors Commission);

- 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, or as Consultants in the ministerial Committee for Emergency Situations of the of the same Ministry, members of our group of engineering geology participated to elaboration of *laws and regulations or to evaluation of projects* in these fields of activity..

Prof. Cristian MARUNTEANU


**Past President of the Romanian Association for Engineering Geology**

A handwritten signature in black ink, appearing to be 'C. Marunteanu', on a light-colored background.



# RUSSIA

RUSSIAN ACADEMY OF SCIENCES

 **SERGEEV INSTITUTE  
OF ENVIRONMENTAL  
GEOSCIENCE**  
(IEG RAS)

P.O. Box 145, 13, Ulansky per.,  
101 000 Moscow, Russia  
Tel.: (495) 623 3111 Fax: (495) 623 1886  
E-mail: [direct@geoenv.ru](mailto:direct@geoenv.ru)

To: Vice-President IAEG for Europe

**Prof. Rafig Azzam**

Fax: + 49 241 8092280

E-mail: [azzam@lih.rwth-aachen.de](mailto:azzam@lih.rwth-aachen.de)

Secretary General IAEG

**Prof. Faquan WU**

Fax: +861082998284

E-mail: [wufaquan@mail.igcas.ac.cn](mailto:wufaquan@mail.igcas.ac.cn)

September 09, 2015

## **Activity Report of the Russian National Group IAEG for 2014 - 2015**

### **1. General Information**

*Name* - Russian National Group; *President* - Prof. Dr. Victor I. Osipov

*Secretary* - Dr. Olga N. Eremina

*Contact Address*- Sergeev Institute of Environmental Geoscience RAS, P.O. Box 145, 13, Ulansky per., 101 000 Moscow, Russia

*Tel.*: +7(495)6233111; *Fax*: +7(495)6231886; *E-mail*: [direct@geoenv.ru](mailto:direct@geoenv.ru);

*Website*: [www.geoenv.ru](http://www.geoenv.ru)

### **2. Membership information**

Eighty-five (85) members of the national group, 30- with IAEG Bulletin. IAEG Bulletin is directly shipped to the scientific libraries throughout Russia according to the shipment list.

### **3. Conferences and workshops**

In the period of 2014-2015, the following events were held in Russia under the aegis of the Russian National Group of IAEG:

**November 25, 2014, Moscow** - Scientific workshop «Overview of the XII IAEG Congress «Engineering geology for society and territory», Torino, Italy, Sept. 15-19, 2014» was held in Moscow. The workshop included 15 scientific reports, which analyzed and generalized the XII IAEG Congress Proceedings volumes on different topics. More than 60 participants attended this workshop.

**February 26, 2015, Nizhny Novgorod** – Scientific workshop “Acute problems in environmental geoscience discussed at the XII IAEG Congress” was held in Nizhny Novgorod, Russia. The conference was hosted by the UNESCO department at Nizhny Novgorod State University of Architecture and Civil Engineering. The review reports at the workshop were presented by the members of the Russian national group IAEG, who attended the Congress in Torino.

**March 19-20, 2015, Moscow** - The seventeenth annual conference “Sergeevskie chteniya” in commemoration of academician E.M.Sergeev on the topic "Engineering geological and geoenvironmental problems in urban areas" was held in Moscow on March 19-20, 2015. The conference consisted of 1 plenary and 7 sectional meetings, at which a total of 38 scientific reports were delivered. The conference was attended by 185 participants from 16 cities of Russia, Belarus, and Azerbaijan. The volume of Conference Proceedings was traditionally published (Sergeevskie chteniya, issue 17, Moscow, RUDN Publ., 2015, 603 pp.)

**May 26-29, 2015, Perm** – The International Symposium “Environmental safety and construction in karst areas” was held in Perm, Russia under the aegis of IAEG, and the Russian national group IAEG. The symposium was hosted by the Perm State University. More than 100 participants from Russia (Moscow, St.Petersburg, Nizhny Novgorod, Perm, Ufa, Kazan, Yekaterinburg, etc.) as well as guests from China, Italy and Serbia. The post-symposium geological excursion to the regions of gypsum karst development including the visit to Kungur ice cave was organized.

**October 12-14, 2015, Moscow** – The 9<sup>th</sup> International scientific and practical conference on mitigation of natural hazards and risks “GEORISK-2015” will be organized by the Russian national group IAEG, Sergeev Institute of Environmental Geoscience, Russian Academy of Sciences in collaboration with the Ministry for Emergency Situations of Russian Federation. About 200 applications for participation and scientific contributions have been received.

#### **4. Other activities.**

Twenty-five Russian participants from Moscow, St. Petersburg, Perm, and Dzerzhinsk participated in the XII International Congress IAEG “Engineering Geology for Society and Territory” held in Torino, Italy, on September 15-19, 2014. They delivered 15 oral (including 2 plenary reports) and 20 poster presentations. Academician RAS V.I. Osipov presented an invited report on “Large-Scale Thematic Geological Mapping of Moscow Area”, and Dr. A.L. Strom reported on “Natural River Damming as the Basics for Landslide and Seismic Hazard Assessment”. In addition, 7 Russian scientists including 2 young professionals were involved in preparation and conducting the Congress sessions as conveners. The chairman of the Russian national group IAEG academician V.I. Osipov headed the international jury for nomination of the R.Walters Prize to young professionals at the Congress. Members of the Russian national group are intensely involved in reviewing papers submitted to the IAEG Bulletin.

Chairman of the Russian IAEG National Group,  
Academician



Victor I. Osipov

# SINGAPORE

## SRMEG Membership

At the end of July 2015, the **Society for Rock Mechanics & Engineering Geology (Singapore)** had 79 Ordinary members, 14 Student members, and two (2) Honorary members.

The two honorary members are: Prof ZHAO Jian, Monash University, Australia and Dr SHI Gen-hua, the DDA Company, USA

SRMEG also has seven (7) Corporate members, being:

1. Asia Tunnelling & Construction Pte Ltd
2. Geoconsult Asia Singapore Pte Ltd
3. Kajima Corporation
4. Kiso-Jiban Consultants Co., Ltd.
5. Knights Synergy (S) Pte Ltd
6. Monolithic Pte Ltd
7. Trittech Consultants Pte Ltd

## SRMEG Committee

<i>President:</i>	Prof ZHAO Zhiye (CZZHAO@ntu.edu.sg)
<i>Vice President:</i>	Dr CAI Jungang (si@tritech.com.sg)
<i>Hon. Secretary:</i>	Prof WONG Ngai Yuen Louis (LNYWong@ntu.edu.sg)
<i>Hon. Treasurer:</i>	Mr ONG Huei Luen
<i>Members:</i>	Dr LI Guojun
	Mr ONG Perng Fey
	Mr TEO Tiong Yong
	Dr ZHOU Yingxin

## Short Courses and Seminars

From September 2014 – July 2015, the Society for Rock Mechanics & Engineering Geology (Singapore) organised or co-organised the following activities for all members.



## **Short Course on Rock Mechanics and Empirical Methods in Rock Engineering, 3-5 September 2014**

This two and a half day short course was organised by SRMEG and conducted by Dr. Nick Barton, who developed the well-known Q system. The course covered key elements of Dr. Barton's internationally applied developments in rock mechanics and rock engineering. Due to the large number of participants interested to participate in the field logging practice, it was held in three sessions throughout the day at the Dairy Farm Quarry. The course was held at Holiday Inn Orchard City Centre and attended by 86 participants. This short course received very positive feedback from all those who attended.



## **Underground Cavern Construction Seminar Series: Seminar 2 – Geotechnical Solutions to the Problems on Hydraulic Containment Type Underground LPG Storage Project in Kurashiki Site of Japan, 22 April 2015**

This evening seminar was organised by Engineering Alumni Singapore (EAS) together with SRMEG with support from Asian Concrete Construction Institute (ACCI) and Nanyang Centre for Underground Space (NCUS). A buffet dinner was sponsored by Kajima Corporation. In this seminar, a variety of solutions to the hydraulic problems associated with the construction of the underground LP gas storage project in Kurashiki, Okayama, Japan, were presented. The many technologies that go into the building of the underground cavern were also showcased. It was held at the Shaw



Foundation Alumni House and the speaker was Mr. Kazuhiko Masumoto from Kajima Corporation. The total attendance was 107.



### **Workshop on Engineering Geology, 15 July 2015**

SRMEG organised the 2<sup>nd</sup> Workshop on Engineering Geology which was supported by the Geotechnical Society of Singapore (GeoSS). SRMEG organised this as a follow up to the popular Workshop on Geology of Singapore. It aims to provide a link between the knowledge of geology and its engineering applications in underground construction and rock cavern space development. The one-day workshop was held at Hotel Grand Pacific and conducted by SRMEG committee members – Dr. Cai Jungang and Dr. Zhou Yingxin. It was attended by 32 participants.

### **Seminar on Tunnel Seismic Prediction (TSP) Technology for Geological Prediction during the Tunnel Excavation and its Applications with Selected Examples in Switzerland, China and Malaysia etc, 17 August 2015**

This evening seminar was organised with the Nanyang Centre for Underground Space (NCUS). The presentation gave an overview about the technical developments of geological prediction technology with more detailed descriptions about the latest TSP303 technology. It also included several selected examples of TSP applications worldwide. The speaker for the seminar was Dr. Xiao Shuan from Amberg Technologies AG. It was held at the Nanyang Technological University, with a total attendance of 49.

### **Other Activities**

#### **SRMEG Networking Night, 16 January 2015**

SRMEG hosted a networking night for all members and invited guests from the industry and relevant associations. The networking night was held at NUSS Suntec City Guild House with a buffet dinner provided. The networking night was preceded by the Outstanding Paper Award presentations. The whole event was attended by 39 SRMEG members and 12 invited guests.

## **SRMEG 10<sup>th</sup> Annual General Meeting and Annual Dinner, 9 March 2015**

SRMEG held its 10<sup>th</sup> Annual General Meeting and Annual Dinner at the Hilton Singapore Hotel. Prof. Zhao Zhiye reported on the society's activities for the year, and the Outstanding Paper Awards and Book Prize were given out during the AGM. In conjunction with SRMEG's 10<sup>th</sup> year, 10 lucky draw prizes were given out. 54 members attended the AGM and annual dinner.



## **SRMEG Book Prize 2015**

SRMEG awarded the second Book Prize for the course “Engineering Geology and Soil Mechanics” at Nanyang Technological University. The recipient was Mr. Chee Khai Yin, who was the top student for that course.



## **SRMEG Outstanding Paper Award 2014-15**

SRMEG organised its first Outstanding Paper Award competition, which aimed to promote research and development in the area of rock mechanics, rock engineering and engineering geology. The

competition was open to public and shortlisted authors had to present their paper to the judging panel. Submissions had to be original or recently submitted but still unpublished.

Prof. Zhao Zhiye (SRMEG 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 competition. The results were as follows:

Winner: Mr. Cheng Yi, Nanyang Technological University

First Runner-Up: Mr. Varun Maruvanchery, Nanyang Technological University

Second Runner-Up: Dr. Wu Zhijun, Zhejiang University

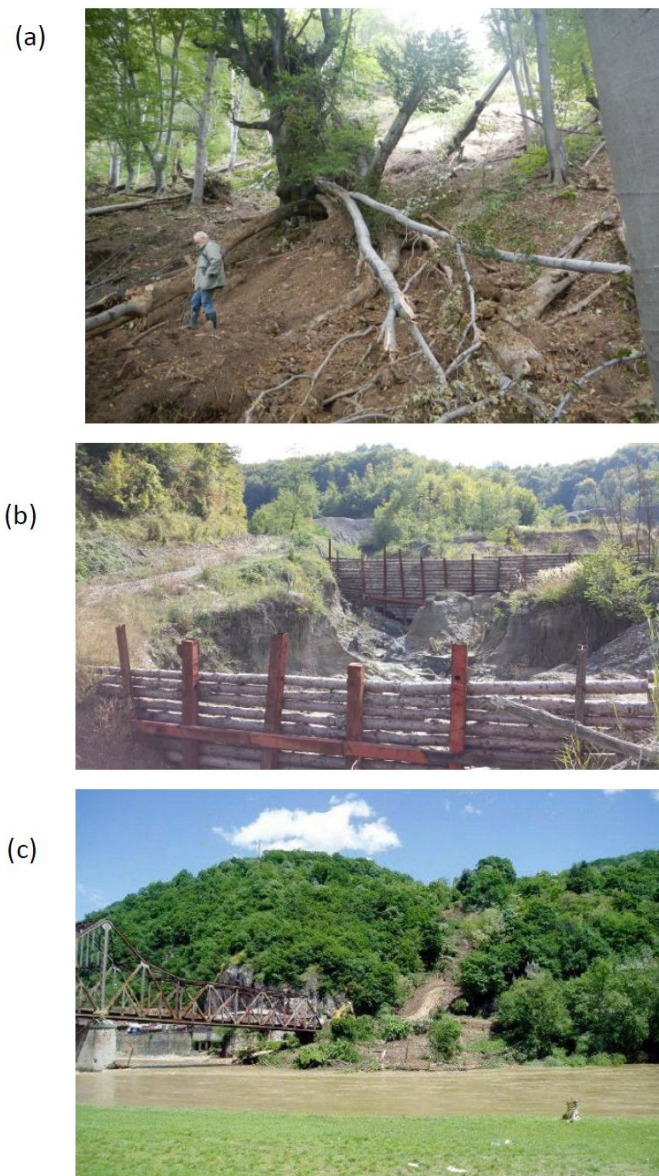




# SERBIA

## REPORT ON ACTIVITIES OF SERBIAN NATIONAL IAEG GROUP IN 2014 and 2015

During 2014 and 2015 members of Serbian National IAEG Group were involved in various activities regarding the consequences of catastrophic floods that stroke Serbia in spring 2014. As a result of one of the largest amount of spring rainfall in the last 100 years, many landslides were (re)activated on potentially unstable slopes, causing destruction of infrastructure and endangering people lives. Members of IAEG National Group were included in registration of activated landslides, and together with civil engineers proposed and designed appropriate remediation measures. The most severe damage caused by landslides was in Tekija, Krupanj and Mali Zvornik (Figure 1).



*Figure 1. Locations in Serbia that suffered the largest damage from landslides, induced by catastrophic floods in spring 2014: (a) Tekija, (b) Krupanj; (c) Mali Zvornik.*



Report on these activities was provided in a Special Issue of the Bulletin of Society of geological engineers and technicians of Serbia, which was published in June 2014 (prof. dr D. Sunaric) (Figure 2).



Figure 2. Front page of Special Issue of the Bulletin of Society of geological engineers and technicians of Serbia devoted to the causes and consequences of catastrophic floods that stroke Serbia in spring 2014 (the whole material could [http://www.dgeits.rs/pdf/Bilten\\_DGEITS-a\\_SP\\_01.pdf](http://www.dgeits.rs/pdf/Bilten_DGEITS-a_SP_01.pdf))

Members of IAEG National Group also took part in the Conference on the causes and consequences of catastrophic flooding in Serbia in 2014, that was organized by the national journal "Construction" (prof.dr D. Sunaric) (Figure 3).

**UZROCI I POSLEDICE KATASTROFALNIH POJAVA U SRBIJI 2014. GODINE - PADAVINE, EROZIJA, BUJICE, POPLAVE, KLIZIŠTA, ZEMLJOTRESI -**

**PRILJAV LČEŠĆA**

Firma: \_\_\_\_\_

PIB: \_\_\_\_\_

Adresa: \_\_\_\_\_

Tel: \_\_\_\_\_ Faks: \_\_\_\_\_

E-mail: \_\_\_\_\_

Učesnici:

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

Kotizaciju od din. 4.800,00 sa PDV-om po učesniku, odnositelno ukupno \_\_\_\_\_, dajete uplatiti vani dana \_\_\_\_\_ 2015. godine na tekući račun Udruženja „Izgradnja“, Beograd broj 205-206955-23, PIB 107130745 sa pozivom na „S15“

M.P. \_\_\_\_\_  
Za firmu \_\_\_\_\_

Prijavu poslati najkasnije do 23.06.2015. g.

**Organizator skupa**  
Udruženje „Izgradnja“ Beograd, Kneza Miloša 7a

**Organizacioni odbor**  
Prof. dr Miroslav Jokić, dipl. grad. inž., predsjednik  
Prof. dr Miroslav Marušić, dipl. grad. inž.  
Doc. dr Borko Bulajić, dipl. grad. inž.  
Branislav Bepović, dipl. inž. arh.

**Naučno-stručni odbor skupa**  
Prof. dr Miroslav Jokić, dipl. grad. inž., predsjednik  
Prof. dr Miroslav Marušić, dipl. grad. inž.  
Prof. dr Miroslav Trifunović, dipl. grad. inž.  
Prof. dr Peter Lohm, dipl. inž. geol.  
Prof. dr Slobodan Prohaska, dipl. grad. inž.  
Doc. dr Borko Bulajić, dipl. grad. inž.  
Miroslav Jokić, dipl. inž. geol.

**Vreme održavanja:** 25. jun 2015. g.

**Mesto održavanja:** Beograd, Kneza Miloša 9, Dom inženjera „Nikola Tesla“, sala na III spratu

**Kotizacija:**  
4.800,00 dinara sa PDV-om  
Za dve i više kotizacije odobravamo popust od 15%.

**Kotizacija uključuje**  
– Učešće na naučno-stručnom skupu  
– Putnički materijal skupa  
– Kofekti

**Teletski račun Udruženja „Izgradnja“**  
**205-206955-23** kod Komercijalne banke a.d. u Beogradu PIB 107130745 sa pozivom na „S15“

Prijavu za učešće na naučno-stručnom skupu dostavite na priloženom formularu Udruženja „Izgradnja“ 11000 Beograd, Kneza Miloša 7a ili na e-mail [izgradnja@sezamco.rs](mailto:izgradnja@sezamco.rs), najkasnije do 23. juna 2015. g.

Sve ostale informacije o skupu možete dobiti u Udruženju „Izgradnja“ na telefona (011) 52 43 503 Osobe za kontakt: Svetlana Urošević i Slavica Andrijević.

Beograd  
25. jun 2015. g.

**Udruženje „izgradnja“**  
ORGANIZUJE

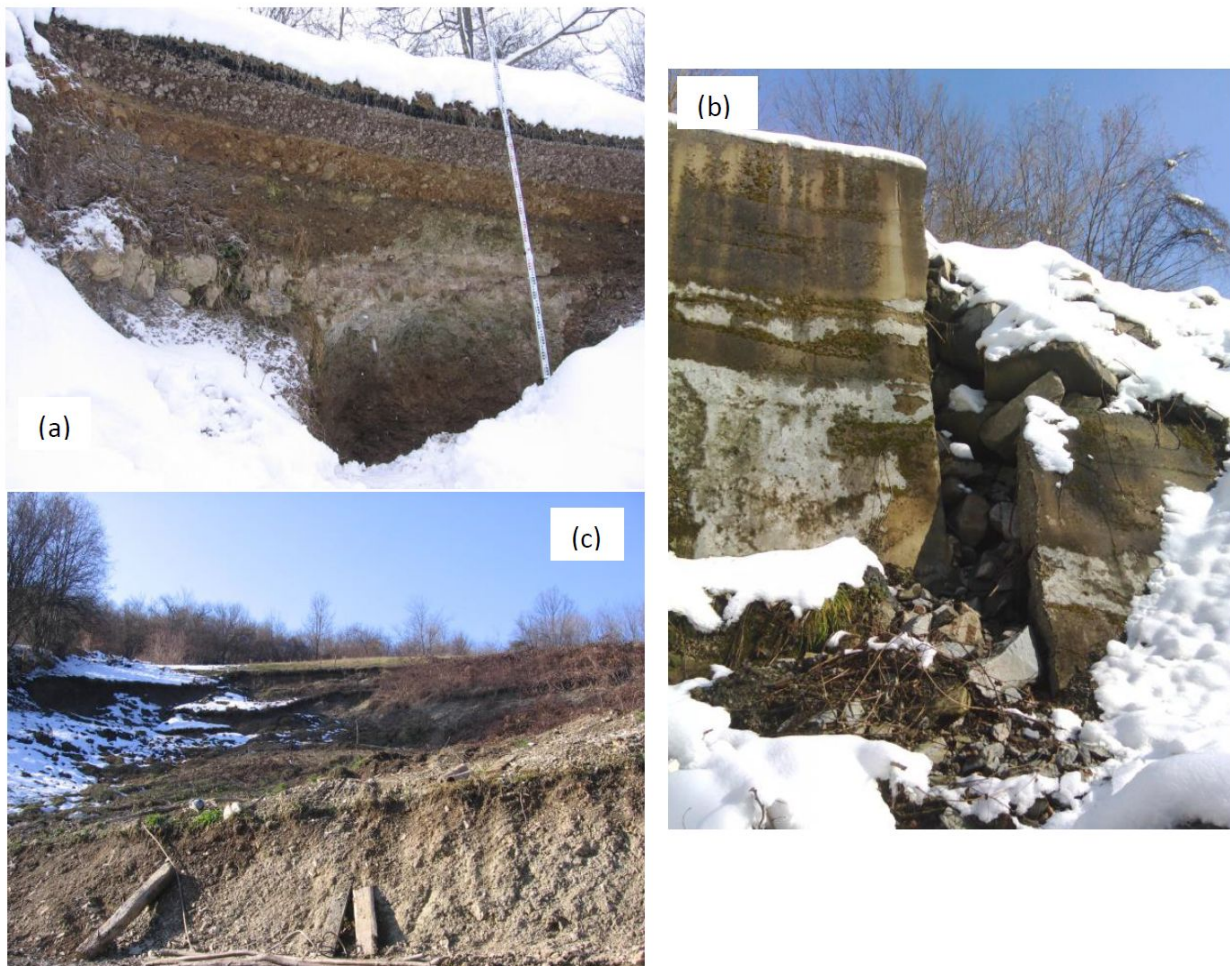
**Deveti naučno-stručni skup**

**UZROCI I POSLEDICE KATASTROFALNIH POJAVA U SRBIJI 2014. GODINE - PADAVINE, EROZIJA, BUJICE, POPLAVE, KLIZIŠTA, ZEMLJOTRESI -**

Figure 3. Front page of the flyer for the Conference on the causes and consequences of catastrophic floods in Serbia in 2014 that was organized by the national journal "Construction" (the whole material could be found on <http://www.sits.org.rs/include/data/docs1311.pdf>)



Members of IAEG national group were involved in detailed engineering-geological investigation of three landslides in Ljubovija and Mali Zvornik, thanks to donation of Canadian fund for local initiatives – Canadian Embassy in Serbia, with Canadian company "Balkan Exploration and Mining" in Belgrade (Project CFLI-2014-SRB 1) (Figure 4). Appropriate remediation measures are already conducted for landslide "Radovanovića kuća" near Ljubovija (prof. dr D. Sunaric).



*Figure 4. Landslides in Ljubovija and Mali Zvornik: (a) Radovanovića kuća; (b) Vodenica; (c) Culine (photo: K. Andrejev)*

In May 2015, University of Belgrade Faculty of Mining and Geology organized 2<sup>nd</sup> Regional Symposium on Landslides in the Adriatic-Balkan Region (prof.dr B. Abolmasov). More on this symposium and its outcomes can be found on website <http://resylab2015.rgf.rs/>.

Also, in 2015, Geological survey of Serbia and University of Belgrade Faculty of Mining and Geology started the implementation of a project "BeWARE – Beyond landslide aWAREness", whose aim is to standardize post-event landslide database and closely involve local community of 27 municipalities affected by May 2014 events in Serbia, and prepare them to cope with catastrophic events in the future (prof.dr B. Abolmasov). This project is implemented in cooperation with Ministry of Mining and Energy of the Republic of Serbia, and Government Office for Reconstruction and Flood Relief, and it is supported by UNDP in Serbia, as a donation from the People of Japan. News and updates from the project implementation can be found on website: <http://geoliss.mre.gov.rs/beware/>.

## SLOVAK

**President and secretary:** Martin Ondrášik, PhD.

Dept. of Geotechnics, Faculty of Civil Engineering,

Slovak University of Technology in Bratislava,

Radlinského 11, 813 68 Bratislava, Slovak Republic,

Tel: +421-2-59274298, e-mail: [martin.ondrasik@stuba.sk](mailto:martin.ondrasik@stuba.sk), <http://www.stuba.sk/>

In 2014 the IAEG Slovak National Group had **8 members (4 with and 4 without the Bulletin)**. The IAEG Slovak National Group (SNG) is an independent part of the Slovak Association of Engineering Geologists which has 138 members ([www.saig.sk](http://www.saig.sk)). All scientific and educational activities of the SNG were coordinated with the activities of SAEG.

SNG members in cooperation with the SAEG participated in 2014 on:

- organizing of 18-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),
  - determination of critical parameters of landslide activity, 2014-2016 (M.Kopecký),
  - new methods of rock mining for deep geothermal energy extraction, 2013-2015 (M.Ondrášik),
- cooperation with Ministry of the Environment of the Slovak Republic in preparation of standards and laws (J.Vlčko, 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), Denmark (Lyngby University), Switzerland (ETH Zürich), Japan (University of Kyoto and Niigata), Budapest (Technical University), Italy (University in Parma).

SNG members in cooperation with the SAEG are preparing in 2014 the following activities:

- organizing of 19-th seven day field trip for students, teachers and scientists to Austria and Italy in September 2015,

- preparation of international conference Engineering geology 2016, June 23.-24.

September 2015



Martin Ondrasik

IAEG Slovak National Group

## **SOUTH AFRICA**

Membership keeps on increasing with the total membership (including all categories) at 364. There are 157 corporate members (automatically also members of IAEG), 19 candidate members and 95 student members. Figures show only 46 members also receive the IAEG Bulletin.

SAIEG liaise locally with the Geotechnical Division (SA Institution of Civil Engineers), South African Council for Natural Scientific Professions, Geological Society of South Africa, SANIRE (ISRM), SANCOT and ICOLD. The local branch of AEG is also active and our president attends the AEG Annual Meetings. There is also a strong relationship with the two universities offering degrees in engineering geology (Pretoria and KwaZulu-Natal). The strong student membership is evidence of the annual information sessions at these two institutions where engineering geology is promoted as a profession.

Events arranged by SAIEG during 2015:

Courses:

Rock identification course

Soil profiling, core and chip logging courses

Lectures:

Registration and continuing professional development

Local state of research

Engineering geology of South African dams

### **Bulletin**

The bulletin is posted to subscribed individual members. Research output is generally low and very few papers in the bulletin originate from Africa.

### **In conclusion**

The political and economic situation varies immensely across the African continent and pose certain challenges when the actual state and presence of the engineering geological profession are to be determined.

My approach suggested for the next year will be to start small at the level of individual academic contacts and attempt to establish formal groups in Namibia, Zambia and Tanzania. Hopefully this will serve as a catalyst for other countries to follow.

## SWEDEN

BGS is a well-established organization within Sweden, that for many years have promoted topics related to engineering geology by arranging interesting seminars, creating network between professionals and participating in the discussion. During the last couples of years there has been a discussion between BGS and SGF (Swedish Geotechnical Society) related to cooperation that resulted in that BGS 2015 became a part of SGF. BGS will continue their work but now as one of the committees in SGF. The aim is that BGS now should have a stronger bas for their work, since the secretariat and tools of SGF now also are available for BGS. The intention is that SGF and BGS together should be able to better highlight and but focus on the common important questions.

During 2014/2015 BGS have arranged a number of well attended seminars and activities. BGS have also taking part in the development of new courses/education for professional engineers. The aim is that 2016 a number of relevant courses should be available also in relation to Engineering Geology.

Daniel Morfeldt is the Chairman of the new BGS committee.

## SWITZERLAND

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

---

### Annual report 2014

#### *Development of our group*

The chapter is still increasing as shown in the following table.

members	2014	entrances	exits	dead
SGEG	246	16	4	1
thereof IAEG	74	16	1	1



In 2014/2015 the board is made up with the following persons:

Dr. Ruedi Krähenbühl president  
Dr. Roland Wyss, vice-president  
Dr. Thomas Eisenlohr, actuary  
Mrs. Céline Pittet, cashier/treasurer  
Dr. Daniel Bollinger, editor Swiss Bulletin  
Prof. Dr. Simon Löw, board member appropriate for international relations  
Dr. Beat Rick, observer  
Dr. Bernard Loup, observer  
Dr. Kaspar Graf, observer  
Dr. Diego Pozzorini, observer

The board had in 2015 three meetings with the main subjects.

- Handling the usual dealings
- Organization of the general assembly in Olten, topic: *“Dealing with claims and mistakes in the engineering geology”*
- Closed meeting of the board in Lugano to the topic: “In witch way should the SGEG und the engineering geology develop in the future”
- Common board meeting with CHGeol and hydrogeologists

### ***Our activities in this year***

There is one key activity planned: Organization of the general assembly 2016 in Olten, topic: “Importance of and dealing with hazard scenarios in the engineering geology”.

R. Krähenbühl/ 23.09.2015

# TURKEY

## 1. Current Executive Committee and Meetings

The Turkish National Group is represented by the Turkish Society of Engineering Geology (TSEG) whose general assembly has elected the executive committee for the period between January 2013 and June 2016. The elected Executive Committee is composed of a president, a secretary, a treasurer and four members; whose names and addresses are given below.

1. Prof. Dr. Resat ULUSAY (President)  
(Hacettepe University, Department of Geological Engineering, Beytepe Ankara)
2. Prof. Dr. Mehmet EKMEKCI (Secretary General)  
(Hacettepe University, Hydrogeological Engineering Programme, Beytepe Ankara)
3. Dr. Ayhan KOÇBAY (Treasurer)  
(State Hydraulic Works, Department of Geotechnical Services and Groundwater, Ankara)
4. Prof. Dr. Remzi KARAGÜZEL (Member)  
(Istanbul Technical University, Department of Geological Engineering Maslak, Istanbul)
5. Prof. Dr. Atiye TUĞRUL (Member)  
(Istanbul University, Department of Geological Engineering, Avcılar, Istanbul)
6. Prof. Dr. Recep KILIÇ (Member)  
(Ankara University, Department of Geological Engineering, Tandoğan, Ankara)
7. Assoc. Prof. Dr. Mahmut MUTLUTÜRK (Member)  
(Süleyman Demirel University, Department of Geological Engineering, Isparta)



The Executive Committee in a meeting (From right to left: Reşat Ulusay, Mehmet Ekmekçi, Remzi Karagüznel, Recep Kılıç, Mahmut Mutlutürk, Ayhan Koçbay)

The Executive Committee has gathered at two regular meetings in Ankara and in Trabzon to discuss several topics related to memberships, the activities of the society and the issues related to problems and developments in engineering geology in Turkey and in the world.

## **. Current Membership and Members**

The number of members of the National Committee is 124 plus 2 honorary members as of September 2015. The total amount of fee of 122 members has been transferred to the IAEG on May 06, 2015. 11 members has applied for subscription for the Bulletin. The list of members updated as of May 2015 is submitted to IAEG as an attachment to the National Group Information Sheet in May 2015. Two distinguished professors, Prof. Dr. Erdoğan Yüzer and Prof. Dr. S. Okay Eroskay who were among the founders of the former Turkish National Committee for Engineering Geology 38 years ago and who acted as president and Secretary General of the Committee for more than 20 years are the two Honorary Members of the TSEG.

## **. Erguvanlı Engineering Geology Awards**

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

The Erguvanlı Engineering Geology Awards are granted every year to encourage and promote young researchers in four categories: Graduation Projects, MSc. Thesis, PhD Thesis and an outstanding paper published in peer reviewed international journals. The awards of best works nominated in all categories except MSc Thesis, evaluated by an independent jury are delivered in a ceremony in September 2015, at the Opening Session of the National Symposium on Engineering Geology held between September, 3-5, 2015 in Trabzon. None of the nominees for the MSc Theses were found by the jury as high quality to be awarded.

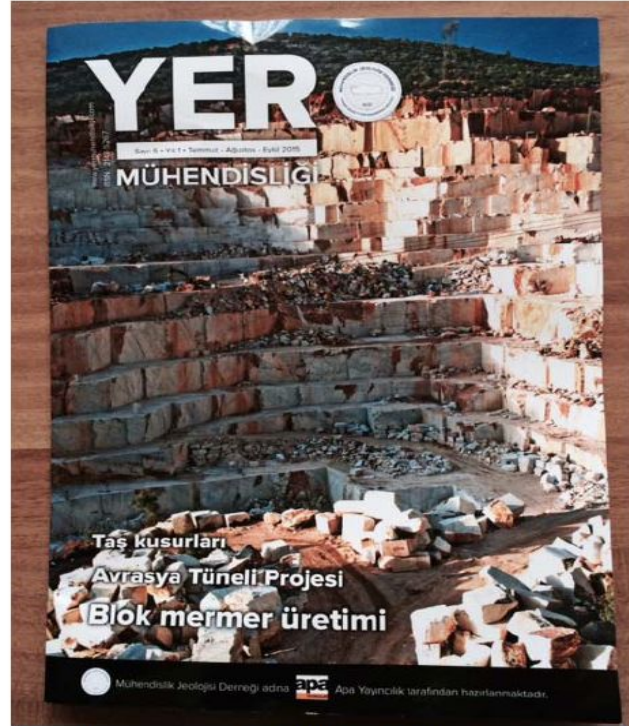


Ceremony of Erguvanlı Engineering Geology Awards



#### 4. Publication of the Geo-Engineering Bulletin

The bulletin entitled “Geo-Engineering” has been issued by the Turkish Society for Engineering Geology continues to be published and distributed. The bulletin covers articles, interviews, news and presentations. A total of 2500 of the issues no. 2 (june 2014), no. 3 (September 2014), no. 4 (December 2014) and no. 5 (June 2015) were distributed free of charge not only to the members of the society but also to all related departments at universities, private sector and governmental organizations.



Geo-Engineering Bulletin No:5 (June 2015)

#### 5. Organization of the Biannual “National Symposium on Engineering Geology”

The first of the biennial “National Symposium on Engineering Geology” was held in collaboration with the Karadeniz Technical University (Trabzon-Black Sea Region) between 3-5 September 2015. The website of the symposium is accessible at [www.muhjeo2015.org](http://www.muhjeo2015.org). About 200 participants with 67 oral and poster presentations and a keynote lecture have contributed to the symposium. A technical trip to a landslide lake has followed the two days scientific sessions. The papers were published and distributed as the proceedings of the symposium.



Cover page of the proceedings of the symposium

## 6. Publicity

Activities such as installing publicity stunts were performed to promote and publicize the Turkish Society for Engineering Geology and the IAEG. Two publicity stunts were installed during the 68th Turkish Geological Congress (April 6-10, 2015) which gathered more than 3000 participants and at the Fourth Career Days of Geological Department of the Middle East Technical University (May 15, 2015). The stunt provided the visitors with all information on the TSEG and the IAEG. The Geo-Engineering Bulletin was distributed during the events.





Stunt at the 68th Turkish Geological Congress



Stunt at the Career Day at METU

## 7. Representation

The Chairman of the National Group, Prof. Dr. Reşat Ulusay will be attending the General Assembly of IAEG to be held on 26 October 2015 in New Delhi where he will be the representative member of the Turkish National Group as decided by the Executive Committee of the TSEG.

## 8. Web Site

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



A page from the web site

## 9. Awards

The president of the Turkish Society of Engineering Geology, Prof. Dr. Reşat ULUSAY has been granted a "Lifetime ISRM Fellow" by the International Society of Rock Mechanics (ISRM). He received his award at the 13<sup>th</sup> International Symposium on Rock Mechanics held in Montreal (Canada) on May 12, 2015.





Ceremony of the Lifetime ISRM Fellow

Charing one of the commissions of the ISRM, Prof. Dr. Reşat Ulusay, on behalf of the Commission on Testing Methods has been granted with the “Outstanding Commission Award”. ). He received his award at the 13<sup>th</sup> International Symposium on Rock Mechanics held in Montreal (Canada) on May 12, 2015.



Ceremony of the “Outstanding Commission Award”

## 10. Publications

A total of 16 original papers by Turkish researchers appeared in Volumes 73 and 74 of the Bulletin of Engineering Geology and the Environment. 3 papers appeared in the issue 73/3, 3 in 73/4, 3 in 74/1, 3 in 74/2, 4 in 74/3.

## 11. Collaborations with Other Organizations

The TSEG gives special attention to establish and improve collaborative links with related governmental and non-governmental organizations. In 2015, the Executive committee members visited the Head of the Geotechnical and Groundwater Department of the General Directorate of the State Hydraulic Works (DSI), who is a member of the TSEG and congratulated him for his new position.

# UNITED KINGDOM

## Royaume-Uni/ United Kingdom

Dr Helen Reeves  
British Geological Survey,  
Kingsley Dunham Centre,  
Keyworth,  
Nottingham, NG12 5JX  
ROYAUME-UNI/ United Kingdom

Tele: +44 115 9363381  
Fax: +44 115 9363385  
Email: [hjre@bgs.ac.uk](mailto:hjre@bgs.ac.uk)

Web site: <http://www.geolsoc.org.uk/engineering>

### Preamble

The Engineering Group of the Geological Society of London (EGGS) is the UK National Group of the IAEG (IAEGUK). There are 271 members of IAEGUK, who have paid an additional IAEG membership fee over and above the fees for the Geological Society of London in 2014-2015. All IAEGUK members take the Bulletin.

Membership numbers are slightly up (24 members) when compared to the 2013-2014 figures (247) that were reported at the last council meeting in Torino.

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

### Introduction

The aims of the EGGS/IAEGUK, as reaffirmed at last year's EGGS/IAEGUK AGM, are:

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

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

### The EGGS Committee

The core members of the committee are:

**Ian Duncan** – Chair

**David Giles** – Vice Chair

**Tom Casey** – Secretary

**John Perry** – Treasurer



**Helen Reeves – IAEG UK National Representative**

### **Links with Other Organisations**

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

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

In 2014 the Glossop Lecture took place at the Royal Geographical Society on the 26<sup>th</sup> of November. An audience of over 150 people heard the 15th Glossop medallist, Mike Sweeney, give the Glossop Lecture on 'Terrain and Geohazard Challenges for Onshore Pipelines in Remote Regions.' It was especially pleasing that the event was honoured by the presence of Rudolf Glossop's daughter Mrs Emma Slack, who presented the Glossop medal to Mike Sweeney.

The Glossop Award (awarded to fellows of the Geological Society under 30) was won this year by Joshua Moorland (Atkins), who gave an excellent presentation on "Cooper's Hill Landslide: Building on Experience".

### **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 commenced webcasting our evening events in January this year, and although this had an unfortunate technical issue on the first event, subsequent meetings have successfully used this technology to extend our reach to both national and international audiences. A summary of the events is given below: -

2014

- October - Advances in Geological / Geotechnical data handling and modelling – a successful 1 day seminar held at Burlington House to discuss the challenges and look to the future for geological and geotechnical data.
- November – Glossop meeting (see above)
- December - The Future of Geosynthetics – a joint meeting with the International Geosynthetics Society (IGS) UK Chapter that presented some of the latest solutions present and/or coming to the civil engineering market

2015

- January - Geological, Geotechnical and Hydrogeological aspects of the York Potash Ltd Mineral Transport System Tunnel – a very well attended and highly informative joint meeting with the

British Tunneling Society. Unfortunately had teething problems with the webcasting – apologies to our speakers and remote audience.

- February - Rammed earth: a beautiful and sustainable construction material? – A joint meeting with the British Geotechnical Association that proved very popular and perhaps changed a few minds on the use of mud for construction!
- March - Further Developments with Embankment Dams on the Mercia Mudstone - This presentation dealt with the geotechnical aspects of reservoir design and construction using Mercia Mudstone, with examples from Lincolnshire and Somerset.
- April - Case Studies in Engineering Geology – a popular meeting covering a number of topics including Classification Testing, and a revisit to a classic case study – Carsington Dam
- May - Sustainable Exploitation of the Subsurface – a 2 day joint IAEG/GSL seminar held at Burlington House with over 100 attendees. This highly topical theme covered a range of subject matters from storage to extraction.
- June – Arthur Holmes Field Trip to Northern Ireland – this was a thoroughly enjoyable and well thought out trip looking at the varied quaternary deposits and classic geology of Northern Ireland, with experts from Northern Ireland Geological Survey.
- June - Designing for the local supply chain: Social Value in Ground Engineering – a challenging topic bringing sustainable methods used overseas to try and encourage greater use of local supply chains.
- July - Integration of Geophysics in successful ground investigations – a one day seminar held at the BGS with the Near Surface Geophysics Group. No report yet – as it is the day of the AGM.

We are continuing to build on the links with other groups and this year have significantly increased the number of jointly held meetings with Regional Groups, other Geological Society of London specialist groups.

### **Working Parties**

The Working Party on ‘Geohazards’, under the chairmanship of David Giles, is reaching its conclusion. All of the chapters have now been completed and are going through the final iterations of editing. A publication date is planned for early 2016.

The working party on ‘Periglacial and Glacial Engineering Geology’, under the chairmanship of Chris Martin, has had its final meeting on 1st July and chapters are now being finalised for publishing. A publication date of early 2016 is currently proposed. Plans are being developed for a 2016 joint field meeting of the EGGS/QRA to help disseminate the main findings – further details of the field meetings will be provided as these develop. A further discussion meeting jointly with the QRA is also planned for Durham in January 2017.

EGGS/IAEGUK are excited about the prospect of two new working parties starting next year on: -

- Groundwater in Engineering Geology;
- The Engineering Geology of Anthropogenic Deposits.

### **Publications**

The Quarterly Journal of Engineering Geology and Hydrogeology (QJEGH) continues to be an

internationally recognised and respected publication. Eddie Bromhead is successfully moving QJEGH as editor in Chief with the editorial board.

QJEGH was started in 1967 and so is approaching its 50th anniversary year. In 2015, the Eddie Bromhead and editorial board asked the wider readership to give feedback as to what they would like to see appear in the journal in future, as this will help inform the Editors and Editorial Board. Only a limited response was received.

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

As reported previously, it is the EGGS/IAEGUK view that there are a number of organisations offering training and the EGGS/IAEGUK does not organise training other than its meetings. We assist the Society in accrediting courses for CPD, accrediting relevant MSc courses and maintain a Training Guide for Engineering Geologists. The planned update of the training guide, for those who wish to become chartered geologists in the area of engineering geology, continues and is nearly complete. The updates have made significant improvements in the areas relating to hydrogeology and the extractive industry. For more information see <http://www.geolsoc.org.uk/cgeol>.

The UK Register of Ground Engineering Professionals (RoGEP) is a Ground Forum initiative, which has been sponsored by the Geological Society of London, the Institute of Civil Engineers (ICE) and The Institute of Materials, Minerals and Mining (IOM<sup>3</sup>). The Register is now in its fifth year and there are now over 250 people registered, mostly at advisor level. The Engineering Group represents the Society on the Register Panel and Jim Griffiths and Ivan Hodgson are our panel members. For more information see the website <http://www.ukrogep.org.uk>.

The EGGS/IAEGUK continues to be concerned about the retention of vocational MSc courses and is working with Ground Forum (GF) to raise this at national government level. The Ground Forum is continuing to lobby for increased support for these courses. This year the GF's lobbying, through the Parliamentary & Scientific Committee, has contributed to changes in funding for taught MSc course. Student loans worth up to £10,000 will be made available from the 2016/17 academic year.

## **USA**

### **Introduction**

The USA National Group is comprised of the Association of Environmental and Engineering Geologists (AEG) and the Environmental and Engineering Geology Division of the Geological Society of America (EGD/GSA). AEG has approximately 3,000 members, whereas EGD/GSA has approximately 1,000 members; a substantial number of EGD/GSA members also are members of AEG. AEG has the management role for maintaining IAEG in the United States. Sadly, the number of IAEG members in the United States has dwindled from 85 in 2013 to what appeared to be only 11 in 2014; the current number is not available because of a technical problem. It should be noted that

AEG's officers and Board of Directors in August 2014 made arrangements for AEG's headquarters to be managed by a company that previously had been providing accounting services only. That company has been expanding its scope to perform needed functions; however, the transition has not yet been completed but it is hoped to be soon. Promotion of IAEG activities and membership in IAEG on the AEG website is being planned.

Eldon Gath was approved as the USA National Group representative to IAEG at the 2014 IAEG Congress in Torino; his term will conclude at the 2018 IAEG Congress in San Francisco. Jeff Keaton was approved as IAEG Vice President for North America at the 2014 Congress in Torino, after serving as USA National Group representative to IAEG since the 2010 IAEG Congress in Auckland. Scott Burns was elected as IAEG President at the 2014 Congress, indicating that the USA is well represented.

### **AEG's Mission**

AEG contributes to its members' professional success and the public welfare by providing leadership, advocacy, and applied research in environmental and engineering geology. AEG's values are based on the belief that its members have a responsibility to assume stewardship over their fields of expertise. In support of serving an international network of environmental and engineering geologists devoted to excellence, AEG values:

- Upholding sound principles of scientific inquiry with respect to the study and evaluation of geologic processes, their impact on humans, and the human impact on Earth;
- Encouraging and facilitating ongoing education and training as well as supporting members in their dedication to their work; and
- Building public appreciation for how environmental and engineering geology contribute to public safety and the protection of property

### **AEG's Activities**

The San Francisco Section of AEG prepared an invitation and proposal for the IAEG to hold the 2018 IAEG Congress in San Francisco, California. A brief presentation was delivered by Scott Burns and Jeff Keaton at the IAEG Council Meeting in Beijing in 2013. The proposal was submitted to IAEG Secretary General Prof. Faquan Wu, and a presentation was made to the IAEG Council in Torino by then AEG President Gary Luce and then AEG President-Elect Ken Ferguson, along with Scott Burns and Jeff Keaton. The proposal was accepted by IAEG Council and AEG members involved with the proposal transitioned into planning the 2018 IAEG Congress in San Francisco.

AEG's annual meeting in 2014 was held in Scottsdale, Arizona, immediately following the IAEG Congress in Torino, Italy. AEG's 2015 annual meeting will be held in Pittsburgh, Pennsylvania, in September, about one month prior to the IAEG Council meeting in Delhi, India. AEG's 2016 annual meeting will be held in Kona, Hawaii in late September, about two weeks after the IGC meeting in Capetown, South Africa.

AEG held a Professional Forum on Landslides in Seattle, Washington, at the end of February 2015



entitled, “Time to Face the Landslide Hazard Dilemma: Bridging Science, Policy, Public Safety, and Potential Loss”. This Forum brought together 170 professionals and students who included private and public sector technical experts on landslide hazards, public officials, and insurance and planning representatives for a successful two-day technical program and an excellent field trip to the Oso Landslide in Snohomish County, Washington. Several AEG members were involved in a reconnaissance of the March 22, 2014, Oso Landslide sponsored by the National Science Foundation through the Geotechnical Extreme Event Reconnaissance (GEER) Association. The GEER report is available at <http://geerassociation.org> for no-cost, and <http://www.aegweb.org/?page=2015LandslideForum> contains many of the Professional Forum on Landslides presentations, also at no-cost for downloading. A follow-up to the Professional Forum was held as a two-part symposium at the 2015 AEG annual meeting.

AEG has an organizing committee for the 3rd North American Symposium on Landslides, which will be held in Roanoke, Virginia, during part of the first week of June 2017. This series of symposia was started in 2007 in Vail, Colorado, and continued in 2012 in Banff, Alberta. IAEG Council meetings were held at each of these very successful conferences.

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. Under discussion with Midwest Geoscience is developing a webinar version of the Jahns Lecture series of talks in order to achieve a broader university audience, as well as the permanent archiving of the Jahns Lecture talks.

AEG student chapters and “Technical Working Groups” remain active. Key faculty members are essential to the formation of these student chapters; no-cost student memberships also appear to be a significant encouragement.

AEG is working to increase the level of activity in its technical committees. The Dams, Tunneling, and Seismic committees all organized symposia at the 2015 annual meeting.

AEG conducts two activities with the EGD/GSA: the Richard H. Jahns Distinguished Lecture in Engineering Geology and co-publication of the *Environmental and Engineering Geoscience* Journal. The 2014 Jahns Lecturer was Greg Hempen (URS Corporation), Eldon Gath (Earth Consultants International) is the 2015 Jahns Lecturer, and Jerome DeGraff (California State University, Fresno) has been selected to be the 2016 Jahns Lecturer. *Environmental and Engineering Geoscience* is a quarterly publication of peer-reviewed articles and book reviews, co-edited by AEG and GSA.

## VIETNAM

The Vietnam Association of Engineering Geology and the Environment (VAEGE) has organized frequent meeting every quarter to discuss about activities. Members of VAEGE have joined many site investigation for large construction in Vietnam.

VAEGE sent representatives to International and regional meetings of IAEG.

The main activities of VAEGE in 2015 focuses to organize conference on “Engineering geology in respond to climate change and sustainable development of infrastructure” HANOIGEO 2015 conference

The HANOIGEO 2015 will be held in 27-28 November 2015, in cooperation with VNU University of Science, Hanoi University of Mining and Geology. The conference includes one for presenting researches in 27 November, and one day for field trip in 28 November.

Main themes as following:

1. Climate change and its impacts in Asia - Pacific including Vietnam
2. Geo-engineering to respond to climate change and sustainable development of infrastructure, Theory and Practice
3. The solutions and policies, technical responses to climate change and development of infrastructure
4. Experience in Vietnam and in other countries

The conference includes one for presenting researches in 27 November, and one day for field trip in 28 November.

The announcement on conference was sent to Universities, Institutes, Company in Vietnam and cooperated countries in January 2015. In the end of June 2015, the numbers of abstract submission is 48 abstracts. The deadline of full paper submission is 15 October. The expected full paper submission is about 50 papers. The authors and participants come from 8 countries (Vietnam, Japan, Korea, China, Indonesia, German, Sweden, Switzerland). The numbers of participants is expected about more than 100 participants. The tentative program are going prepare, we will submit after deciding final program

The field trip is in the Trang An, a eco-tourism site is considered the "Bay land" for enjoying fresh air and mountain scenery. The entire cave is home to 50 caves connecting 30 small valleys which follow about 10 kilometers from North to South. This is the perfect destination for who loves nature and discover the magnificent caves of Ninh Binh. Trang An is a primary forest of great diversity in flora and fauna. According to statistics, Trang An is home to about 577 plant species including 10 species listed in the Red Book of Vietnam.



We appreciate the interest and supporting from IAEG for VAEGE activities

We look forward your attending in HANOIGEO 2015 conference.

Contacting persons

1. President of VAEGE

Assoc. Prof. Dr. Ta Duc Thinh

Hanoi University of Mining and Geology

E-mail: [taducthinh\\_dcct@yahoo.com](mailto:taducthinh_dcct@yahoo.com)

2. General Secretary of VAEGE

Do Minh Duc, Assoc. Prof. Dr. Eng.

Faculty of Geology

VNU University of Science (HUS)

Vietnam National University, Hanoi (VNU)

334 Nguyen Trai, Thanh Xuan, Hanoi, Vietnam

E-mail: [ducdm@vnu.edu.vn](mailto:ducdm@vnu.edu.vn), [ducgeo@gmail.com](mailto:ducgeo@gmail.com)

## **5. FEDIGS COOPERATION AGREEMENT**

### **Federation of International Geo-engineering Societies (FedIGS)**

## **COOPERATION AGREEMENT**

This Agreement was approved in the meeting of the Presidents of IAEG, ISRM, and ISSMGE in Amsterdam, The Netherlands on May 12, 2006 and modified by the FedIGS Board in the meeting of the Board Members of IAEG, ISRM, ISSMGE, and IGS in Shenyang, China on 4 July 2015

#### **1. Name and Constitution**

- 1.1 The Name of the federation is: Federation of International Geo-engineering Societies, abbreviated as FedIGS. It is hereinafter referred to as “FedIGS”.
- 1.2 This Agreement shall formalize and regulate the cooperation between the Member Organizations.

#### **2. Definition of Geo-engineering**

- 2.1 Geo-engineering is engineering with, on, or in geological materials.

#### **3. Language**

- 3.1 The official language of FedIGS is English.

#### **4. Aims, objectives**

- 4.1 FedIGS is founded on the principle that each of the participating Member Organizations will retain its identity and autonomy. The role of FedIGS is to carry out functions for the international geo-engineering community that could not be carried out with the same effectiveness and efficiency by the Member Organizations individually.
- 4.2 The aims and responsibilities of FedIGS are to:
  - raise the awareness within the geo-engineering profession of the inevitable and essential interaction between geo-engineering practitioners from the Member Organizations;
  - coordinate the scientific and technical activities in areas with overlapping interest between the Member Organizations and
  - raise the public awareness and profile of the geo-engineering profession.

by:



- promotion of interaction among geo-professionals within various facets of geo-engineering;
- coordination of research efforts in areas of common interest to the Member Organizations;
- development of a FedIGS website;
- coordination of the scheduling, promotion, and delivery of conferences and symposia of the Member Organizations;
- establishment of Joint Technical Committees on topics and interests common to the Member Organizations;
- stimulation of the development of educational curricula for higher education and for continuing education purposes;
- promotion of interaction with industry and policy making organizations and
- development of policies that will advance the learned and professional functions of the geo-engineering community.

## **5. Membership**

- 5.1 FedIGS is founded by three organizations: The International Association of Engineering Geology and the Environment (IAEG), the International Society for Rock Mechanics (ISRM) and the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE). These three organizations hereinafter will be referred to as the Founding Members.
- 5.2 Other organisations, which fully subscribe to the FedIGS Cooperation Agreement and in particular the Aims and Objectives of FedIGS as defined in Clause 4 may be invited to join FedIGS as Member Organizations. Acceptance of new Member Organizations will require approval by all existing Member Organizations.
- 5.3 Conditions for admission to membership in FedIGS are as follows. Organizations invited by the Board to become member organizations, or those applying for membership of FedIGS shall submit a written letter of application to the President of FedIGS which explains the reasons and arguments for the application. Furthermore this letter of application shall confirm that the applying organization subscribes to the aims and objectives of FedIGS, as outlined in Clause 4 and describe how the organization will contribute to the implementation of these aims and objectives. This letter shall be accompanied by the constitution of the organization, the name and contact information of its officers, and a summary of recent activities.
- 5.4 A member organization shall fulfil its obligations to FedIGS, which includes to inform the President of FedIGS of the address and contact information of its secretariat, as well as the names and contact information of its officers and the address of its web site.
- 5.5 Termination of membership of FedIGS can be the result of
  - Decision of the Member Organisation itself. Such a decision shall be communicated immediately to the FedIGS President and can become effective only after the organisation has complied with all administrative obligations to FedIGS which result from this Agreement.

- Decision by the FedIGS Board in case the concerned Member Organisation acts against the aims, objectives, and/or interests of FedIGS. Such a decision is taken in two steps: a preliminary Board decision on suspension of membership is communicated to the concerned Member Organisation, that is given appropriate time to correct its position and comply with all its obligations. If such corrective measures are not taken within a period of six months then the definite decision to terminate the membership can be taken by the FedIGS Board.

## **6. Finances**

- 6.1 FedIGS is a non-profit organisation.
- 6.2 There are no dues for Membership.
- 6.3 No Board member shall receive any remuneration from FedIGS.

## **7. Administration**

- 7.1 FedIGS shall be governed and administered by the Board.

## **8. Board**

- 8.1 The Board of FedIGS is the exclusive decision making body of FedIGS. It is composed as follows:
  - the FedIGS president;
  - the presidents of all Member Organizations;
  - the immediate past presidents of all Member Organizations; and
  - the secretaries general of each Member Organization.
- 8.2 The Board is chaired by the President of FedIGS.
- 8.3 In the event that one of the presidents or immediate past presidents cannot fulfil the obligations, its Member Organization should appoint a replacement.

## **9. President**

- 9.1 The prime duty of the President shall be to foster the aims and objectives of FedIGS, thereby serving the interest of all Member Organizations.
- 9.2 The FedIGS Board elects the President. This election needs the formal approval by the presidents of all Member Organizations.
- 9.3 The President shall be one of the immediate past presidents of the Member Organizations or another co-opted individual as the Board sees fit. Candidates for the



presidency shall be nominated by members of the Board. One year before the expiry of the term of office of the President, the current President shall invite each Member Organization to submit a nomination for the next presidency.

- 9.4 The term of office of the FedIGS President is 4 years. The President can be re-elected once, following the procedure outlined in Clause 9.2 and Clause 9.3.
- 9.5 The FedIGS President may be substituted by another voting Board member, in any and all of the President's duties. The substitute President is appointed by the FedIGS Board. In the event of the resignation or death of the President, the Board will have to arrange the President's substitution.

## **10. Secretariat**

- 10.1 A Secretariat is installed for the period coinciding with the term of office of the President.
- 10.2 The Secretariat will handle the administrative matters for FedIGS, under the responsibility of the President.
- 10.3 The FedIGS Secretariat will be located and handled by the President.
- 10.4 The official headquarters of FedIGS is at the office of the President.
- 10.5 The cost related with the functioning of the FedIGS Secretariat will be covered by the President.

## **11. Meetings and decision making**

- 11.1 Meetings of the Board will be held at least once a year.
- 11.2 Decisions in the FedIGS Board are taken by simple majority. All Board members except the Secretaries General of the Member Organizations have voting rights in the Board meetings. The Secretaries General of the Member Organizations are advisory Board members without voting rights. Furthermore, the President has an additional casting vote in case of a tied vote.
- 11.3 A voting Board member who is absent at a Board meeting can assign another voting Board member as proxy.
- 11.4 The presidents of the three Founding Members acting unanimously will have a veto right on all decisions of the Board.
- 11.5 Voting will take place openly, unless one of the Board members requests a secret ballot. Voting on persons will always take place in a secret ballot.

- 11.6 Minutes of the Board meetings will be prepared by the designated note taker. A list of key decisions and resulting actions will be circulated within two weeks after a Board meeting.

## **12. Joint Technical Committees**

- 12.1 In order to further the aims, responsibilities, and objectives of FedIGS, the Board may appoint Joint Technical Committees (hereinafter referred to as JTCs), composed of a responsible chairperson and individual members from the Member Organizations, to study scientific and/or technical matters of interest to the international geo-engineering community.
- 12.2 In general such JTCs are appointed for a 4-years period, after which the Board will decide about continuation or discontinuation of the JTC and its membership.
- 12.3 Proposals for the establishment of Joint Technical Committees shall be formulated by Board Members and shall be presented in writing to the President. A proposal for the installation of a Joint Technical Committee shall contain the following items:
- The proposed title;
  - The technical issues to be addressed;
  - The terms of reference: definition of the broad terms of reference, with a list of the tasks to be performed, reports to be presented and a well-defined time schedule; and
  - Suggestions of one or more names for the chairperson of the JTC.

The proposal shall be included in the agenda for the next Board meeting.

- 12.4 The Board shall take a decision about the installation of the proposed JTC, the title, issues to be addressed and terms of reference for the JTC.
- 12.5 The FedIGS Board appoints the chairperson for the JTC who is personally responsible for the successful operation of the JTC.
- 12.6 Each Member Organisation will select up to three members in a JTC. These members may be supplemented by up to 6 members selected by the chair. The membership as a whole shall be composed in such a way that it represents a good coverage of the knowledge fields relevant for the JTC theme and also a reasonable regional spreading.
- 12.7 Corresponding members can be nominated by national groups/member societies of the Member Organisations to the JTC chairperson who makes the decision. Corresponding members do not have to be members of Member Organizations and do not have a vote.
- 12.8 After completion of its term of office, the JTC may be reinstalled with a well-defined term of office of a maximum of 4 years. In this case the procedures for appointment of the JTC chair and all individual members will have to be repeated.
- 12.9 The FedIGS Board has the right to terminate the existence of a JTC or dismiss the chairperson and appoint a new chairperson for lack of progress or when it becomes clear



that the goals cannot be achieved for whatever reason. Such decisions can only be taken on the basis of a proposal submitted to the Board.

12.10 The JTC shall hold at least one meeting per year. JTCs can arrange their own symposia or other forms of organised discussion and do so at their own financial risks. If such meetings generate funds, the JTC and the organising committee shall retain any surplus to be divided as per prior arrangement between them. No members of JTCs or their sub-committees shall be paid for their work for the JTC.

12.11 The chairperson of a JTC shall send a written annual report to the FedIGS President about the progress of the JTC. This report shall reach the President at least 2 weeks before the annual Board meeting of FedIGS. The Board shall discuss the annual JTC reports and inform the JTC chairperson about the comments and suggestions.

All reports produced by the JTCs involving matters of policy shall be sent to the FedIGS Board prior to their publication.

12.12 The creation of Awards and Honour Lectures by JTCs is not encouraged. However if a JTC feels strongly about proposing such a lecture or award, a proposal must be presented to the FedIGS Board for its consideration. This proposal must contain:

- The name of the engineer/scientist who is honoured;
- The accomplishments of this person demonstrating outstanding and sustained contributions to geo-engineering;
- The record of the vote of the JTC members regarding this Award or Honour Lecture;
- The procedure to be followed to select the recipient of the Award or Honour Lecture; and
- The frequency of the recognition and the typical location of the delivery of the Award or Honour lecture.

12.13 The Board will vote on the proposal and a two third majority is required. If the Board approves the proposal, the JTC may proceed with the Award or the Honour Lecture for a period of 8 years. After 8 years, the proposal must be resubmitted for consideration by the FedIGS Board.

### **13. Amendments to the Agreement**

13.1 Amendments to the Agreement of FedIGS may be proposed by any Board Member. These amendments, after unanimous approval by the Board of FedIGS, shall require the written approval of each Member Organization according with its approval procedure.

### **14. Dissolution**

14.1 The dissolution of FedIGS will take place after a decision of the FedIGS Board. A two third majority is required.

## **6. MEETING INFORMATION**

### **International Symposium—Challenges for Engineering Geology and Geotechnics after Natural Disasters**

**Bulgaria-Sofia, 20-23 June 2016**

Bulgarian national group of IAEG, the Bulgarian national group of ISSMGE will hold the International Symposium—Challenges for Engineering Geology and Geotechnics after Natural Disasters.

#### **Topics:**

- History and Geography of the Latest natural disasters
- State Policy for Protection of the population from Disasters
- Engineering Geological investigations in Disaster-Struck Areas
- Hazard and Risk Assessment in Disaster-Struck Areas
- Projects and constructions in Disaster-Struck Areas
- Case studies Conclusions and Recommendations

#### **Field trip:**

24<sup>th</sup> June:

Sofia-Belchin-Carimali grad-Hot spring Sapareva banya-Rila monastery-Sofia

<http://www.carimaligrad.com/>

<http://rilamonastery.pmg-blg.com/>

### **International Symposium—Marine Engineering Geology (ISMEG 2016)**

**China-Qingdao, 21-23 October 2016**

#### **Introduction:**

With the flourishing exploitation and development of the ocean oil and gas engineering, port engineering, submarine communication engineering as well as the coastal reclamation engineering, quite a number of engineering geological problems have been encountered in the process of planning, construction and service in coastal and submarine regions. In order to make sure the rational development of marine engineering geology, the International Symposium on Marine Engineering Geology (ISMEG 2016) will be held in Qingdao, China on 21-23 October, 2016. The theme of this symposium is “Marine Engineering Geology and Geo-environmental safety”. ISMEG 2016 aims to gather academic scientists, leading engineers, industrial

researchers and students to exchange their ideas, experiences and share their research results about marine engineering geology.

**Topics:**

- Engineering characteristics of marine soil.
- Exogenic marine geo-disasters.
- Endogenic marine geo-disasters.
- Regional engineering geology.
- Coastal engineering geology.
- Marine engineering geological survey technology and methodology.
- Marine engineering geological data fusion.

**Important Dates:**

- First announcement: 25 September 2015
- Second announcement: 1 May 2016
- Abstract due: 31 May 2016
- Acceptance of abstract: 30 June, 2016
- Early birds registration due: 31 July 2016

## **The GeoMEast 2017 International Conference**

**Egypt-Sharm El-sheikh, 15-19 July 2017**

The GeoMEast International Conference to be held in Sharm El-Sheikh, Egypt from July 15 to 19, 2017. The GeoMEast SERIES is managed by SSIGE and supported by a number of leading international professional organizations. Recent rapid construction in Egypt has provided great opportunities for bridge, pavement, geotechnical, and tunnel engineers to use their knowledge and talents to solve many challenging problems involving highways, bridge structures, pavements, materials, ground improvements, slopes, excavations, dams, canals and tunnels with innovative solutions and cutting-edge technologies. GeoMEast 2017 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 21 st 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.

**Website:** [www.GeoMEast2017.org](http://www.GeoMEast2017.org)

## **Engineering Geology for Geodisaster Management in Asia**

**Nepal-Kathmandu, 29-31 October 2017(planned only)**

### **Major Theme:**

We welcome suggestions and comments for proposed theme. We will conduct this symposium either in October or November which is very suitable time to visit Nepal. We will conduct three field excursion programs in Barpak (Epicenter area of the Gorkha Earthquake 2015 Nepal) area, Nepal-China Border area and Pokhara area. This conference will be a major event in Nepal and few ministries (Ministry of Physical Planning, Ministry of Local Development, and Ministry of Science, Technology and Environment etc.) of Government of Nepal will also participate in the Conference as organizing partners. This is tentative preliminary arrangement for the proposed program.

### **Supported by:**

International Association for Engineering Geology and the Environment (IAEG)

### **Organized by:**

Nepal Geological Society

### **Conference date:**

October 29-31, 2017 (Planned only) but it will be within 2nd week of October to early November, will be fixed avoiding the date of major festival of Nepal

### **Conference venue:**

Hotel Yak and Yeti, Kathmandu, Nepal

### **Conference scale:**

About 250 attendees, 100 from Nepal and 150 from other counties

### **Field Excursions:**

Three [Barpak (Epicenter area of the Gorkha Earthquake 2015 Nepal) area, Nepal-China Border area and Pokhara area]



# **International Symposium on Engineering Geology for Urban Sustainability in 2017**

**Malaysia-Kuala Lumpur 2017**

## **Theme and Sub-themes:**

The proposed main theme shall be:

### ***‘Engineering Geology for Urban Sustainability’***

- The proposed sub-themes and sessions as follow:
- Engineering geology and urban planning
- Engineering geology roles in disaster risk reduction
- Foundations in problematic grounds
- Tunneling for infrastructures and underground facilities
- Engineering geology in tropical terrains
- Marine engineering geology for offshore field developments
- Geotechnology (technology for geosciences)

## **Organization of Event:**

The Conference is proposed to be organized in 3 days. 2 days for conference and 1 day for conference field trip. The conference field trip is proposed to be on the second day in between 2 days of presentation sessions.

## 7. CONTACT INFORMATION

### IAEG EXECUTIVE COMMITTEE 2015-2018

<b>Scott F. Burns</b> Portland State University Dept. of Geology P.O. Box 751 Portland, OR 97207 <b>USA</b>	Tel 503-725-3389 Fax 503-725-3025 Mail burnss@pdx.edu	President Président
<b>Carlos Delgado</b> ESCUELA TÉCNICA SUPERIOR DE INGENIERÍA CIVIL Alfonso XII, 3 y 5 28014 – MADRID <b>ESPAGNE</b>	Tel + 34 91 336 77 36 Fax + 34 91 336 79 61 Mail secretaria.subdireccion.ingenieriacivil@upm.es	Immediate past president Président sortant
<b>WU Faquan</b> Institute of Geology and Geophysics Chinese Academy of Sciences P.O. Box 9825 Beijing 100029 <b>CHINA</b>	Tel + 86 10 82998216 Fax + 86 10 82998216 Mail wufaquan@mail.igcas.ac.cn	Secretary general Secrétaire général
<b>Jean-Alain Fleurisson</b> Mines ParisTech - Centre de Géosciences. 35, rue Saint Honoré. 77305 Fontainebleau <b>FRANCE</b>	Tel +33 (0)1 64 69 48 13 (Sec. 48 94) Mail jean-alain.fleurisson@mines-paristech.fr	Treasurer Trésorier
<b>Martin CULSHAW</b> 49 Shelford Road Radcliffe-on-Trent Nottingham NG12 1AE <b>UK</b>	Tel +44 (0)115 911 9137 Mobile +44 (0)7929931358 Mail martin.culshaw2@ntlworld.com	Bulletin Editor in Chief
<b>Louis van Rooy</b> Department Geology University of Pretoria Private bag X20 Hatfield, Pretoria 0028 <b>SOUTH AFRICA</b>	Tel +27124202023 Fax +27123625219 Mail louis.vanrooy@up.ac.za	Vice-president for Africa Vice-président pour l'Afrique [National groups : Algeria ; South Africa]
<b>Yogendra Deva</b> Bhilwara Towers, ICCS Ltd., A-12, Sector-1, NOIDA 201 301, Delhi- NCR <b>INDIA</b>	Mob +919871178299 Fax +911204277847 Mail yogendradeva@gmail.com yogendra.deva@lnjbhilwara.com	Vice-president for Asia Vice-président pour l'Afrique [National and regional groups : China ; Hong Kong S.A.R. regional group; India ; Indonesia ; Iran ; Japan ; South Korea ; Malaysia ; Nepal ; Singapore ; South-East Asia ; Vietnam]
<b>Mark EGGERS</b> Pells Sullivan Meynink G3, 56 Delhi Road North Ryde NSW 2113 <b>AUSTRALIA</b>	Tel +61 2 98125000 Mob +61 418 677173 Mail mark.eggers@psm.com.au	Vice-president for Australasia Vice-président pour l'Australasie [National groups : Australia ; New Zealand]
<b>Jeffrey R Keaton</b> Amec Foster Wheeler 6001 Rickenbacker Rd, Los Angeles, CA 90040 <b>USA</b>	Tel +1 323 889 5316 office +1 323 203 6958 mobile Mail jeff.keaton@amecfw.com	Vice-president for North America Vice-président pour l'Amérique du Nord [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**

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

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

Vice-president for South America  
Vice-président pour l'Amérique du Sud  
[National groups : Argentina ; Brazil ;  
Colombia ; Paraguay ; Peru]

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

Vice-president for Europe  
Vice-président pour l'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**

Belaid ALLOUL  
President  
Département de Géologie de l'Ingénieur  
IST/USTHB Houari-Boumediene  
BP.32 El Alia Bab Ezzouar Alger  
**ALGERIA / ALGÉRIE**

Norberto Jorge Bejerman  
President  
presidente@asagai.org.ar  
**ARGENTINA / ARGENTINE**

Darren Paul  
Chairman  
dpaul@golder.com.au  
Peter Robinson  
Secretary  
secretary@australiangeomechanics.org  
**AUSTRALIA / AUSTRALIE**

Christian Zangerl  
President  
christian.J.zangerl@boku.ac.at  
Ewald Tentschert  
past president  
tentschert@tuwien.ac.at  
ewald-hans.tentschert@tuwien.ac.at  
**AUSTRIA / AUTRICHE**

Christian TREVE  
President  
ctreve@cfe.be  
Philippe WELTER  
Secretary  
philippe.welter@spw.wallonie.be  
**BELGIUM / BELGIQUE**

Adalberto Aurélio Azevedo  
President  
presidencia@abge.org.br  
Alessandra Corsi  
Secretary  
abge@abge.org.br  
**BRAZIL / BRÉSIL**

Dimcho Evstatiev  
President  
Kiril Anguelov  
Secretary  
angelov@bondys.bg  
**BULGARIA / BULGARIE**

Doug VanDine  
President  
vandine@islandnet.com  
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 / R.P. de CHINE**

MARIO CAMILO TORRES SUAREZ  
President  
scg1@colomsat.net.co  
sociedadcolombianadegeotecnica@scg.org.co  
**COLOMBIA**

DRAŽEN NAVRATIL  
President  
drazen.navratil@hgi-cgs.hr; navratil.drazen@gmail.com  
**CROATIA / CROATIE**



Antonis Antoniou  
President  
geominescy@gmail.com  
Iordanis Dimitriadis  
Vice-President  
geominescy@gmail.com  
**CYPRUS / CHYPRE**

Jan Novotný  
Secretary  
iaeg@irms.cas.cz  
**CZECH REPUBLIC / RÉPUBLIQUE TCHÈQUE**

Jan Dannemand Andersen  
President  
jda@geo.dk  
John Kærgaard Frederiksen  
IAEG representative for the Board of the Danish  
Geotechnical Society  
JRF@ramboll.dk  
**DENMARK / DANEMARK**

Johannes PELLO  
President  
Tallinn Technical University  
Room III-217 Ehitajate tee 5  
Tallin 19086  
**ESTONIA / ESTONIE**

Arto Koskiahde  
President  
arto.koskiahde@ohuthiekeskus.com  
Pekka Ihalainen  
Secretary/Treasurer  
pekka.ihalainen@ykl.fi  
**FINLAND / FINLANDE**

Aline QUENEZ  
President  
quenez.a@free.fr  
Sylvine GUEDON  
Secretary  
Jeanne-sylvine.guedon@ifsttar.fr  
**FRANCE**

Zurab Kakulia  
President  
Shorena Petriashvili  
Secretary  
zukurulia@yahoo.com  
**GEORGIA / GÉORGIE**

Prof. Dr. Rafiq Azzam  
President  
Azzam@lih.rwth-aachen.de  
Kirsten Laackmann  
Managing Director  
service@dggt.de  
**GERMANY / ALLEMAGNE**

ANDREAS KAPLANIDIS  
President  
andreaskaplanidis@gmail.com  
VASSILIOS MARINOS  
Secretary  
marinosv@geo.auth.gr  
**GREECE / GRÈCE**

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

Akos TOROK  
President  
BME Építőanyagok és Mézőkgeologia Tanszék  
Budapest Sztoczek u2 1111  
**HUNGARY / HONGRIE**

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

Gopal Dhawan  
President  
presidentiseg@gmail.com  
M. Raju  
Secretary  
india.seg@gmail.com  
**INDIA / INDE**

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

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

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

Giovanni Battista Crosta  
President  
giovannibattista.crosta@unimib.it  
Daniele GiordanSecretary  
Secretary  
segreteria@iaeg.it  
**ITALY / ITALIE**

Shuichi Hasegawa  
President  
hasegawa@eng.kagawa-u.ac.jp  
Takao Chaishi  
Secretary  
chaishi@jpde.co.jp  
**JAPAN / JAPON**

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

Carlos GARCIA HERRERA  
President  
Apartado Postal 39-137  
Aeropuerto Internacional de la Ciudad de Mexico, D.F.  
15621  
**MEXICO / MEXIQUE**



Ranjan Kumar Dahal  
President  
ranjan@ranjan.net.np  
rkdahal@gmail.com  
**NEPAL / NÉPAL**

Guro Groeneng  
President  
guro.groeneng@geo.ntnu.no  
**NORWAY / NORVÈGE**

Jose E. Martinez del Carpio  
President  
antguzman@gmail.com  
**PERU / PÉROU**

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

Park, Chung-hwa  
President  
chpark@dju.ac.kr  
Woo, Ik  
Secretary  
woo@kunsan.ac.kr  
**REPUBLIC OF KOREA/ CORÉE DU SUD**

Kastytis Dundulis  
President  
kastytis.dundulis@gf.vu.lt  
Saulius Gadeikis  
Secretary  
saulius.gadeikis@gf.vu.lt  
**LITHUANIA / LITUANIE**

Robrecht Schmitz  
President  
r.m.schmitz@tudelft.nl  
Peter N.W. Verhoef  
IAEG representative Ingeokring  
peter.verhoef@boskalis.com  
**NETHERLANDS /PAYS-BAS**

Charlie Price  
President  
chair@nzgs.org  
Teresa Roetman  
Secretary  
secretary@nzgs.org  
**NEW-ZEALAND / NOUVELLE-ZÉLANDE**

Francisco Raúl Mena Knoop  
President  
fundatecsrl@gmail.com  
raulmena@fundatec.com.py  
Angelica Garcia  
Secretary  
apenter.com.py@gmail.com  
**PARAGUAY**

José Luís Machado do Vale  
President  
spg@Inec.pt  
Raúl Sarra Pistone  
Treasurer  
spg@Inec.pt  
**PORTUGAL**

CRISTIAN MARUNTEANU  
President  
cristian.marunteanu@g.unibuc.ro  
MIHAELA STANCIUCU  
Secretary  
stanciucumihaela@yahoo.com  
**RUMANIA / ROUMANIE**

Victor I. Osipov  
President  
osipov@geoenv.ru  
Olga N. Eremina  
Secretary  
direct@geoenv.ru  
**RUSSIA / RUSSIE**

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

Zhiye Zhao  
President  
CZZHAO@ntu.edu.sg  
Louis Wong  
Honorary Secretary  
LNYWONG@ntu.edu.sg  
**SINGAPORE**

Martin Ondrasik  
President  
martin.ondrasik@stuba.sk  
**SLOVAKIA / SLOVAQUIE**

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

Phil Paige-Green  
President  
president@saieg.co.za  
Neo Sithole  
Secretary  
secretariat@saieg.co.za  
Paul Aucamp  
Treasurer  
treasurer@saieg.co.za  
**SOUTH AFRICA / AFRIQUE DU SUD**

Park, Chung-hwa  
President  
chpark@dju.ac.kr  
Woo, Ik  
Secretary  
woo@kunsan.ac.kr  
**SOUTH KOREA/CORÉE DU SUD**

Carlos Delgado  
President  
carlos.delgado@upm.es  
Alfonso Gorrochategui  
Secretary  
**SPAIN / ESPAGNE**

Gunilla Franzén  
President  
gunilla.franzen@geoverkstan.se  
Daniel Morfeldt  
Representative  
daniel.morfeldt@mineconsult.se  
**SWEDEN / SUEDE**

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

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

Reşat ULUSAY  
President  
resat@hacettepe.edu.tr  
Mehmet EKMEKCI  
Secretary  
mekmekci1303@gmail.com  
**TURKEY**

Helen Reeves  
President  
hjre@bgs.ac.uk  
**UNITED KINGDOM / ROYAUME-UNI**

## **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@iinet.net.au

### **C10 Building Stones and Ornamental Rocks**

Björn SCHOUENBORG  
President  
bjorn.schouenborg@cbi.se  
Nike et Hannu LUODES  
Secretary  
nike.luodes@hotmail.com  
Hannu Luodes  
Secretary  
hannu.luodes@gtk.fi  
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  
christar@geo.auth.gr  
Vassilis Marinos  
Secretary  
marinosv@geo.auth.gr

Eldon M. Gath  
President  
gath@earthconsultants.com  
egath@me.com  
**U.S.A.**

Ta Duc Thinh  
President  
taducthinh\_dcct@yahoo.com  
Do Minh Duc  
Secretary  
ducdm@vnu.edu.vn  
ducgeo@gmail.com  
**Vietnam**

### **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**

Kaare Flaate  
President  
kflaate@online.no  
Dmitry Sergeev  
Secretary  
sergeevdo@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  
lso@geodata.it

**C29 Structure and Behavior of Soil and Rock Mass**

Hu Ruilin  
President  
hurl@mail.igcas.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**

Giorgio Lollino  
President  
giorgio.lollino@irpi.cnr.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@igsrr.ac.cn  
Renato Macciotta  
Secretary  
macciott@ualberta.ca

**IAEG Sub-40 Group**

Ann Williams  
Interim Chairman  
ann.williams@beca.com  
Mark Eggers  
Vice Chair  
Mark.Eggers@psm.com.au  
**Regional representatives**  
Amy Maharaj  
Africa representative  
amym@n3tc.co.za  
Fergus Cheng  
Asia representative  
fergus.cheng@arup.com  
Pedro Martins  
Australasia representative  
Pedro.Martins@beca.com  
Andrea Manconi  
Europe representative  
andrea.manconi@irpi.cnr.it  
Jennifer Bauer  
North America representative  
jennbbauer@gmail.com  
Francisco Locati  
South America representative  
flocati@efn.uncor.edu