



IAEG NEWSLETTER

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## I. LETTER FROM THE PRESIDENT

Dear Associates,

The IAEG Congress in Turin is an important date for 2014. Until now a record number of papers have been submitted and likewise we are expecting a record number of attendants.

From here I would like to encourage all members of our associates to register and come to this event which will be a milestone in IAEG's history.

The winners of both the Hans Cloos medal and the Marcel Arnould medal have been selected and these awards will be given during this Congress.

I would like to congratulate Roger Cojean and Brian Hawkins for their well-deserved awards.

The Richard Wolters prize will be awarded by the Jury during the Congress. I would like to encourage NGs to send their proposals for candidates - young professionals - for this award.



The IAEG 50th Anniversary book is ready for printing as of end of May. The steering group has put much work into its preparation, the coordination of which by us has taken almost three years. I would like to take this opportunity to thank its members, past Presidents, Ricardo Oliveira and Paul Marinos and the past Secretary General, Sebastián Dupray for their many and long hours of work and devotion and, at the same time, The Chinese Academy of Science and the IAEG Secretary General, Wu Faquan, for their generous collaboration for the printing of this book.

2013 has seen the beginning of the recovery of our membership, with figures in the region of 4000 associates. We should direct our efforts towards maintaining this tendency for growth through already existing NGs and, at the same time, promote new NGs.

Finally, I would like to congratulate our Web Editor, Giorgio Lollino, for the development of our web and the new contribution of the "video lecture" within the Education and Training programme which I hope will continue to grow during further sessions.

I look forward to seeing you all in Turin in September.

Carlos Delgado

## **II. CONFERENCE ON E.M.SERGEEV 100TH ANNIVERSARY**

IAEG Russian National Group

The jubilee conference commemorating the 100th anniversary of academician E.M.Sergeev - an outstanding Soviet and Russian engineering geologist - was held on March 20-21, 2014, in Moscow.

This event was organized by the Scientific Council of the Russian Academy of Sciences on the Problems in Environmental Geoscience, Engineering Geology and Hydrogeology, in collaboration with the Sergeev Institute of Environmental Geoscience RAS and the Department of Engineering and Ecological Geology at the Moscow State University. The organizing committee of the conference was co-chaired by academician V.A.Sadovnichii, rector of the Moscow State University, and academician N.P.Laverov, member of Presidium RAS. Director IEG RAS, academician V.I. Osipov and the head of the department of engineering and ecological geology MSU, prof. V.T. Trofimov were also in charge of this event. The two-day-long celebration events included the jubilee meeting in commemoration of academician E.M.Sergeev, where his former colleagues and students shared their remembrances of him with the guests. The working language of the Conference was Russian.

The meeting was opened by the rector of MSU academician V.A. Sadovnichii. The plenary reports were delivered by V.I. Osipov and V.T. Trofimov, both being the former students of academician E.M.Sergeev. Next, the oral presentations were given by M.L.Voronova, prof. V.M. Shvets, prof. A.B.Rubin, prof. S.P.Gorshkov, Dr. I.V. Dudler, as well as by the former foreign students of academician E.M.Sergeev, i.e., Dr. Kiril Angelov (Bulgaria), prof. K.Kozhobaev, Dr. Sh. E. Usupaev, Dr. B.D. Moldobekov (Kirgizia), Kh.L. Rakhmatullaev (Uzbekistan). The written greetings were announced that had been received by the Organizing Committee of the Conference from IAEG President prof. Carlos Delgado and prof. Faquan Wu, the IAEG Secretary General and Chair of IAEG China National Group.



Fig. 1 Presidium of the jubilee meeting at Moscow State University

For the 100th anniversary of E.M.Sergeev, a special medal was established by the Department of Engineering and Ecological Geology at MSU and the Sergeev's Institute of Environmental Geoscience RAS - "The Sergeev Medal" - to be awarded to scientists who have made a significant contribution to engineering geology. The medal will be awarded annually on March 23 (the birthday of E.M.Sergeev, coincided with the day of his death). The following professionals became the first recipients of this medal: Prof. V.P. Anan'ev, Ass.Prof. K. Angelov (Bulgaria), Dr. V.V.Baulin, Prof. G.K.Bondarik, Prof. I.P.Ivanov, Dr. V.D.Kazarnovskii, Dr. N.S.Krasilova, acad. Prof. V.I.Osipov, and Prof. V.T. Trofimov.

At the jubilee meeting, the materials published to this event were presented. These items include: the book of reminiscences written by E.M. Sergeev "A glance though years" ("Vzglyad skvoz gody"; Moscow, GEOS Publishers, 2014, 478 pp., in Russian); digitized selected scientific papers by E.M.Sergeev in 3 volumes (3 CD-roms); a full scanned version of scientific journal "Engineering geology" published by the USSR Academy of Science in 1979-1992 (E.M.Sergeev, Editor-in-Chief and Founder), CD-disk. These products were among between the participants of the conference; and now they are available at the website of IEG RAS ([www.geoenv.ru](http://www.geoenv.ru)).

The second day of the jubilee events (March 21, 2014) involved the scientific conference "The Sixteenth Sergeev's readings. Evolution of academician Sergeev's scientific ideas at the present stage". The conference included 5 oral sections: 1. Soil and rock engineering, soil and rock mechanics and reclamation; 2. Engineering geological classifications of soils and rocks; 3. Regional engineering geological, hydrogeological and geocryological studies. Combined studies of geological environment for solving geocological problems; 5. Methodology and methods of

research in engineering geology and environmental geoscience. A total of 28 oral presentations were given, among them 5 invited reports presented by: V.I. Osipov (IEG RAS) "Development of E.M.Sergeev's ideas in soil and rock engineering"; V.V.Dmitriev (Russian State Geological Prospecting University) Taxonomy aspects in classification of soils and rocks; V.T.Trofimov (MSU) E.M.Sergeev as an organizer of regional engineering geological studies. Their results and development at the present stage; V.A.Korolev (MSU) Development of E.M.Sergeev's ideas about geological environment and its role in solving ecological problems; E.A. Voznesenskii and A.V.Brushkov (MSU) Experimental methods in the study of soils and rocks upon engineering geological and geocryology survey. State-of-art.

All contributions submitted and accepted to the conference were included to its Proceedings volume (Sergeevskie chteniya, vyp. 16 (Moscow, RUDN, 2014, 674 pp). The publication as financially supported by the Russian Foundation for Basic Research (project no. 13-05-06205).



Fig. 2 E.M.Sergeev Medal



More than 340 participants from 7 countries (Russia, Azerbaijan, Uzbekistan, Tajikistan, Kirgizia, Bulgaria, and the Netherlands) took part in the conference.



Fig. 3 A group of former students of E.M.Sergeev visits his grave at the Troekurovskoe cemetery, Moscow

A high interest to this conference proved that the scientific ideas of academician E.M.Sergeev are being developed, and the memory of this outstanding scholar is alive in the hearts of his pupils and followers.



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



### Congratulations to the 100<sup>th</sup> Anniversary of Prof. Evgenii Mikhailovich SERGEEV

In the name of the IAEG, of which I am now president, I would like to join in the Jubilee celebration in memory of the academician Evgenii Mikhailovich Sergeev held these days in Moscow.

The IAEG is indebted with gratitude and affection towards Professor Sergeev as from the first years of its creation he actively collaborated in its development and implantation in new countries; first as Vice President for Europe and he was then later elected President at the 1978 Congress held in Madrid.

Professor Sergeev made many contributions to our association, from the setting up of our Award for young professionals, the Richard Wolters medal in memory of a good friend, Secretary General of IAEG, to the incorporation of three new national groups during his mandate. He also made the association aware of the need to become involved in environmental problems, and was the first to insist on giving special attention to environmental protection in the field of geo-engineering.

In 1986 E.M. Sergeev was awarded the maximum IAEG prize: the Hans Cloos medal, and in his reception speech he made his priorities clear: "All my life I worked for the development of engineering geology. I did all I could for the dissemination of knowledge and development of human relations and contacts."

Congratulations to the Russian Group of IAEG for such a magnificent event.

Carlos Delgado  
 IAEG President

Dear Prof. Victor Osipov and Dr. Olga Eremina,

On behalf of IAEG China National Group, I am writing to convey our warm congratulations to the 100th Anniversary of Prof. Evgenii Mikhailovich SERGEEV on March 23, 2014.

Prof. Sergeev was a world famous Russian engineering geologist and one of the leading founders in engineering geology and environmental discipline. He has served his country and people faithfully all his life in the fields of soil and rock engineering, regional engineering geology, environment protection, theory and methodology of engineering geology. He has made great contributions to promoting engineering geology and the environment protection both home and abroad.

Prof. Sergeev was also actively involved in international scientific activities especially the IAEG. He fulfilled the obligation of Vice-President of IAEG (1972-1978) and President of IAEG (1978-1983) in succession. In 1986, Prof. Sergeev was awarded with the supreme award of the Association – the Hans Cloos Medal.

Finally, congratulations again to the 100th Anniversary of Prof. E.M.Sergeev!

May the friendship between IAEG Russia and China National Groups last forever!

Yours sincerely,

*Faquan Wu*

Faquan WU  
 President of IAEG China National Group  
 Secretary General of IAEG  
 Professor, Institute of Geology and Geophysics, Chinese Academy of Sciences  
 February 28, 2014, Beijing

### III. IAEG CONGRESS 2014

#### ● Finalization of Congress Proceedings

We are glad to inform you that the reviewing and acceptance phase of the contributions to the Congress has now ended with about 1300 full papers accepted. These latter have undergone two reviews and a final check by the editors. We had initially started with about 1800 abstracts received that were followed by about 1450 full papers submitted for review. Thus, as you may imagine, we are very satisfied with the final outcome. We wish to thank all the Conveners and the reviewers for their fundamental support in the reviewing phase. To this regard, to acknowledge their efforts, I wish to inform that the content of the Proceedings will maintain the structure of the session/convenor organization. Soon the finalization of the Proceedings with Springer will start and each author will receive through the OCS system the instructions to upload his/her contributions. The final deadline for submission is May 15th.

I take this chance to inform you that, after many solicitations by participants and for the respect of the Environment (territory and society), **the Organizing Committee decided to deliver the Proceedings at the Congress only in electronic format. This will also allow to deliver to each participant the full set of 8 volumes** instead of an hard copy of the volume where their contributions appeared. This will more than double the fee that the Congress will pay to Springer, but we are convinced to have made the right choice.

We are now going to set up a tentative program for the Congress (session organization and schedule, oral/poster presentations, room booking, etc.). For this reason we need to know as soon as possible the number of participants. You are therefore invited to register on the website, subscribing with the more convenient early registration rates, and so grant your presence in the program.

#### ● Sponsorship Prospectus

On behalf of Organizing Committee of XII IAEG Congress, I cordially invite you to take part as a sponsor of the **International Congress of the International Association for Engineering Geology** to be held from 15-19 September 2014, **Torino**, Italy.

The **XII IAEG Congress** is an International Congress of world class standard with reputable speakers who mix ground-breaking new techniques with solid scientific background. Furthermore, this event will be the occasion to celebrate the **IAEG 50th Anniversary**.

The location of the Congress will be the Centro Congressi Lingotto. For further information please visit the website: <http://www.centrocongressilingotto.it/en/Pages/Home.aspx>

The **International Association for Engineering Geology and the Environment (IAEG)** was founded in 1964 and is affiliated to the International Union of Geological Sciences (IUGS). The

IAEG is a worldwide scientific and professional society with more than 5,200 members and 59 national groups. The aims of the International Association for Engineering Geology and the Environment are to promote and encourage the advancement of Engineering Geology through research and technological activities; to improve teaching and training in Engineering Geology, and to collect, evaluate and disseminate the results of engineering geological activities on a worldwide basis.

During the Congress, the exhibition will play a pivotal role in enabling us to bring cutting edge science to the national and international stage. Your participation as a sponsor and/or exhibitor will provide an opportunity to show to the Congress participants your activities and products. Sponsorship can increase your corporate/products and brand awareness, and create positive link in the attendees' minds between their activities and yours.

In the following you will find further information on the Congress Sponsorship. Sponsorship Prospectus

Thank you for considering this invitation to join the XII IAEG International Congress as a sponsor.

● **Solidarity fund awards**

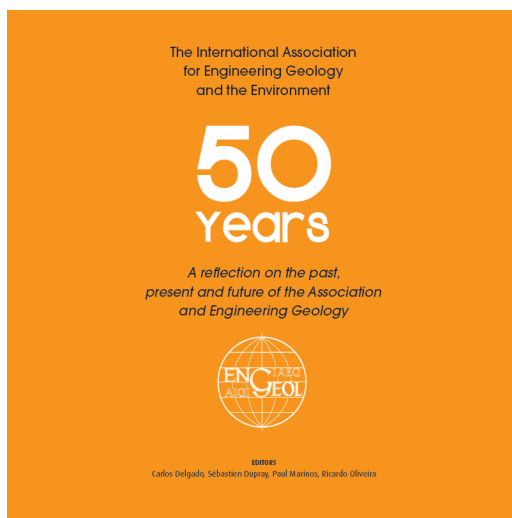
With great pleasure, we inform that under the patronage of the IAEG President Carlos Delgado, the Organizing Committee of the XII IAEG Congress, Torino 2014 has accepted all the solidarity fund requests received.

The Solidarity fund contribution will cover Congress registration fees for more than 50 scientists and students coming from all over the world. In addition, the award ensures the publication of the papers authored by the applicants.

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IV. IAEG 50 ANNIVERSARY BOOK

The Secretariat of IAEG



The book for commemoration of IAEG 50 years is ready recently for publication. A group of four people, Carlos Delgado, Sébastien Dupray, Paul Marinos and Ricardo Oliveira, have been dedicated to the book since 2011. With the help of all the Executive members, national groups, commissions and witnesses of the foundation and development of IAEG, a huge mass of materials on the origin and history of IAEG, membership, documentations, leadership and organizations, services and awards have been collected.

Mainly 5 blocks are organized in the book referring to the past and future of IAEG. A foreword is written by Carlos Delgado, the president of IAEG, and appendices with 5 items are listed at the end of the book. The book will be published by Chinese Science Press and financially supported by IAEG, Chinese Academy of Sciences and the US AEG Foundation. The book will be officially released at the IAEG2014 congress in Torino and sent later to all the IAEG national groups, commissions, sister societies and grand libraries in the world.

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## V. THE USA APPLIES TO ORGANIZE IAEG2018

The AEG President, Gary Luce, has recently signed and sent IAEG Secretariat a proposal for organizing IAEG2018 Congress at San Francisco, US. The topic of the congress is proposed as “Engineering Geology for a Sustainable World”.

Scott Burns from IAEG US National Group, the past vice president of IAEG for North America, expressed the plan last year in IAEG2013 in Beijing and will present the proposal again at the Council in Torino next September.

The IAEG2018 Congress proposal download link:

<https://www.dropbox.com/s/khs15auyggz2nvn/IAEG%20May%202014%20update%20signed%20copy.pdf>

## VI. HANS CLOOS MEDAL WINNER 2014



Following the Statutes and Bylaws, the result of IAEG Hans Cloos Medal 2014 has been reached through three rounds votes by Executive Committee members. Professor Roger Cojean, recommended by France National Group, has won the IAEG Hans Cloos Medal for the year of 2014.

Professor Roger Cojean has a long experience in the field of engineering geology and associated scientific and technical skills such as soil mechanics, rock mechanics and hydrogeology.

At the beginning, his professional experience was oriented towards teaching and research projects in the field of engineering geology, with industry-oriented research works. Then, he developed a particular skill in the design of mining projects (open cast mining) and civil works (dams and tunnels).

He has participated to several international research projects or expertises in the field of extractive industries, civil engineering works and natural hazards. He is a member of several research groups and promotes the “Design with Nature”, especially within the frame of the International Association of Engineering Geology and the Environment. He was involved in several design projects for open-pit mines in France and abroad and several national and international expert missions in the field of extractive industries.

With Jean-Alain Fleurisson and Michel Deveughèle, he has written a “Guide and Manual: Geotechnical and hydrogeological concepts and methods useful for open cast mining” for Total mining activities. He is the author of over 100 publications in refereed journals and has been the chair of international conferences, seminar and workshops. He has also been involved in the organization of international events on the subjects of Engineering Geology. He is past-president of CFGI, the French National Group of IAEG (International Association of Engineering Geology and the Environment) and member of sister societies.

The formal presentation of Hans Cloos Medal 2014 will normally take place during the IAEG International Congress in Torino, Italy, September 15-19, 2014.

**The nomination documents including the CV of Prof. Roger Cojean please view via the link:**

[https://www.dropbox.com/s/gf7bbtv7ny6eu0h/HCM2014\\_Roger%20Cojean.zip](https://www.dropbox.com/s/gf7bbtv7ny6eu0h/HCM2014_Roger%20Cojean.zip)

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VII. MARCEL ARNOULD MEDAL WINNER 2014



The first Marcel Arnould Medal of IAEG has been decided by the IAEG Council in Beijing last year to be awarded to professor Brian Hawkins from UK.

Brian Hawkins took charge as the editor-in-chief of IAEG Bulletin in 1998 with a coeditor, Roger Cojean (France) for French language and close partnership with his editorial assistant, Marian Trott.

The award will be presented at the IAEG2014 congress, Torino, September 2014.

Letter from the president of IAEG:

Dear Brian,

This is the formal notification that you have been awarded with the first Marcel Arnould Medal granted by the IAEG Council, which will be given to you at our next 50th Anniversary Congress that would take place on September 15-19, 2014 in Turin (Italy).

The exact date of the ceremony would be communicated to you later.

It is a great pleasure for me to let you know this excellent news, and I believe you possess all the merits for receiving this medal instituted to recognize the very special services rendered to the IAEG by one of its members.

Looking forward to seeing you and Marion in Turin next September.

With my best regards,

Carlos Delgado

IAEG President

VIII. ONLINE SURVEY

● The most concerned and hottest issues in Engineering Geology and Environment in 2014

To have a global view of the discipline of engineering geology and the environment, the IAEG secretariat has conducted the second round of annual internet survey within the IAEG community in the last month of 2014. The survey was focused on “the most concerned topics of engineering geology and comments for IAEG development”, and the information is collected by <https://www.surveymonkey.com/s/ZZTNV85>.

40 responses from 9 National Groups have been received including 24 responses for “most concerned topics of engineering geology” and 16 responses for “comments for IAEG development”.

Responses to the IAEG Internet Survey

National Group	Most Concerned Topics of Engineering Geology	Comment for IAEG Development
Germany	1	
Argentina	1	
UK	7	6
Singapore	1	1
Cyprus	1	1
India	1	1
Canada	1	1
Sweden	1	1
China	10	5
	24	16

We list some comments on the development of IAEG in the following table.

Comments for IAEG Development

Development of the discipline	Provide a leading voice in global circles, emphasizing the critical role played by engineering geology in sustainable development and natural hazard reduction, accelerate the construction of geological GIS
Administration of IAEG	Communication needs to be improved, the IAEG needs to be more inclusive
Services for IAEG member	IAEG needs to become more visible worldwide, the feed back to ExCom should be quick, members can also play a role in the interaction with the Society, and members can grasp the dynamic
Comments on the internet survey for most concerned issues	Hot issues should be investigated according to certain categories, suggested questionnaire in two parts: 1.the hot issues of regional engineering and environmental areas; 2 .the basic theory of common hot issue

● Feed-back on Bulletin dispatch 2013

The secretariat has launched the "IAEG feed-back on Bulletin dispatch 2013" by online survey on November 26, 2013. We have recorded every response seriously and then contacted Springer to solve the problems.

This survey has collected 39 replies from China, Cyprus, France, Germany, Japan, Romania, Sweden and UK NGs. Most of the replies focus on the not-receiving E-tokens. Also, there are lots of good comments on Bulletin dispatch job. It's suggested by members that PDF version of Bulletin is preferred for the reason of environmental protection, portability and timeliness. And the shipping date of Bulletin should be traceable by members. After communication between Springer and the Secretariat, all the replies have been handled well.

Regarding to the shipping date and E-token of Bulletin, there are some advice from Springer in the section of *News from Springer* in this Newsletter.

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## **IX. LECTURE TOUR**

### **IAEG Lecture Tour in Beijing:**

#### **Niek Rengers' Speech on Writing of Scientific Papers**

Invited by China National Group, The IAEG Lecture Tour has been organized as a seminar in China University of Geosciences, Beijing on May 26, 2014. Professor Niek Rengers, the past president of IAEG, and Dr. Theodoor van Asch from ITC, Netherland, gave lectures on “Writing of Scientific (Research) Papers” and “Meteorological thresholds for debris flows”, respectively.

Over 150 Scientists and young professionals were presented at the event, mainly from China University of Geosciences, Institute of Geology and Geophysics and Institute of Geography and Resources of Chinese Academy of Sciences, and Institute of Geomechanics of Chinese Academy of Geosciences, IAEG C24 and C29. Dr. Shengwen Qi, the secretary of China National Group, conducted the seminar. Dr. Xu Nengxiong, the deputy dean of Engineering College of China University of Geosciences and Faquan Wu, the Chair of China National Group, gave the welcome addresses.

IAEG has paid attention to promote the Lecture Tour for years. The aims of the activity is to propagate new knowledge and achievements of engineering geology around the world through a series of lectures by outstanding engineering geologists. The lecture by Niek Rengers is to help the young professionals improve their paper writing.

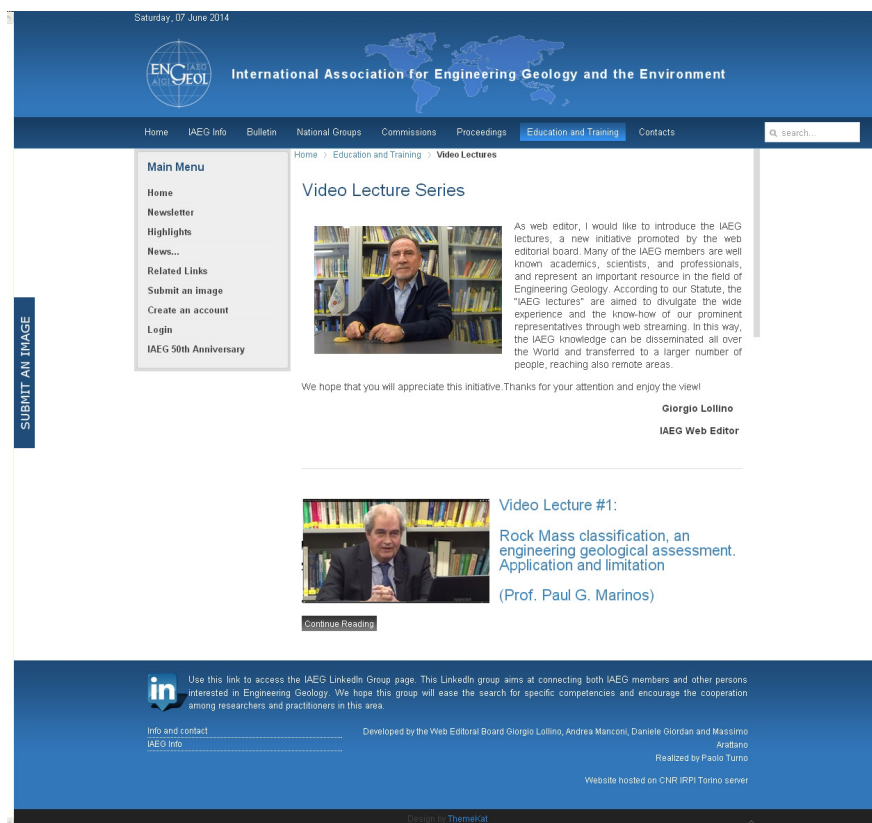
Professor Sijing Wang, the IAEG past president and Xiao Li, director of the Key Lab of Engineering Geomechanics, CAS hosted banquette and meet with the lecturers.

The PPTs of the lectures will be attached at the website of IAEG and China National Group at [www.iaeg.info](http://www.iaeg.info) and [www.IAEG-China.org](http://www.IAEG-China.org).



## X. VIDEO LECTURE

With great contribution of Giorgio Lollino and his institute, IAEG has just published the first IAEG video-lecture in the section of Education and Training of website, <http://www.iaeg.info/index.php/courses/video-lectures> .



The first of a series of three have been carried out by a professional video-company here in Torino, Italy. We have decided to put online as first the lecture delivered by Paul Marinos, because he is one of the most well-known representatives of the IAEG in the world and of Engineering Geology in general. The other lectures will be uploaded in the following months, also to evaluate progressively the feedback from the users.

Any suggestion for the follow-up of the IAEG video-lectures is welcomed.

## **XI. NEWS FROM NATIONAL GROUPS**

### **● Canada**

*Prepared by Doug Stead, Chair of CGS Engineering Geology Division*

The mission of the Canadian Geotechnical Society, CGS, Engineering Geology Division, is to promote and facilitate the advancement, exchange and transfer of knowledge, skills and experience in the field of Engineering Geology for the benefit of division members and the profession. As part of the Canadian Geotechnical Society, the objectives of the Division are to provide to its members opportunities to upgrade and update their professional knowledge and skills, to present results of their professional activities, by organizing events and activities to facilitate knowledge, experience and information transfer and exchange and to promote co-operation among researchers and practitioners.

Engineering geology is an area of increasing activity with a strong division membership in the Canadian Geotechnical Society and a high degree of professional activities through other Canadian Geoscience and Engineering Societies. The current CGS Engineering Geology Division Chair, Doug Stead, commenced his 3-year mandate in January 2013 and the current executive includes members from across Canada's provinces. In 2013, the Canadian Geotechnical Society, Engineering Geology Division membership included 106 1<sup>st</sup> choice and 253 2<sup>nd</sup> choice members.

The activities within the field of Engineering Geology are diverse including strong communities in the areas of landslides, transportation and resource geotechnics (mining, hydrocarbon, forestry and hydropower)

Prof. Jean Hutchinson (Queens University, Department of Geological Sciences and Geological Engineering) was awarded the Thomas Roy Award for 2013 at the CGS annual conference in Montreal in October 2013. Prof. Hutchinson is one of Canada's most highly recognized and respected international experts in engineering geology, and is one of the leading international practitioners in the study of remote sensing, risk assessment and uncertainty, railway geohazards and underground and surface rock engineering.

Professor Jacques E. Locat (Université Laval, Département de géologie et génie géologique) was awarded the 2013 Schuster Medal for his contributions to landslides studies. The award was presented by Dr. Robert Schuster at the Canadian Geotechnical Society Conference in Montreal in October 2013.

Several major Canadian Engineering Geology related conferences will take place in 2014 including:

- Geohazards 6; Kingston, Ontario, June 15-18, 2014. <http://www.geohazards6.ca/>



- 1st International Discrete Fracture Network Engineering Conference (DFNE 2014), October 19-21 2014, Vancouver, <http://www.dfne2014.ca/>

## ● Singapore

The Society for Rock Mechanics & Engineering Geology, Singapore (SRMEG) held its AGM on 13 March 2014 during which the President's report and financial report were presented and approved. The involvement of SRMEG in ISRM and IAEG activities in the past year was also reported. More collaborations and interactions with other societies, universities and industry partners are encouragingly foreseen in the coming year. Before the AGM, the Hon. Secretary of SRMEG, Asst Prof. Louis Wong delivered a technical presentation on "Water saturation effects on rocks – review and new insights".

Congratulations to student members Ms. Zhang Yuwen and Mr. Goh Kan Sheng, Clayder for receiving the Book Prize from the SRMEG for ranking themselves as the top student in the course "Engineering Geology and Soil Mechanics" and "Engineering Geology and Rock Mechanics" at the Nanyang Technological University in academic year 2013/14 respectively. The Book Prize presentation ceremony was held during the AGM of SRMEG.



*(from left to right): Asst Prof Louis Wong (Hon Secretary of SRMEG), Mr Goh Kan Sheng, Clayder, Ms Zhang Yuwen, Assoc Prof Zhao Zhiye (President of SRMEG).*

The SRMEG (Singapore) Outstanding Paper Award has been recently established to promote research and development work in the area of rock mechanics, rock engineering and engineering geology. The sole author of a paper or the first author of a co-authored paper should be at the age of 35 or below on the closing date of submission. The winner will be awarded S\$1000 honorarium. The first runner-up will be awarded S\$500 honorarium. The second runner-up will be awarded S\$300 honorarium. The winners will also be given a best paper certificate by SRMEG (Singapore). Good quality practical papers are as welcome as those of an academic nature. All papers submitted must be original and unpublished. Refer to the following website <http://www.srmeg.org.sg> for further information. The submission deadline is 30th June 2014 11:59pm (Singapore time).

## ● USA (AEG)

The March issue of *AEG News* is available online at <http://www.aegweb.org/publications/aeg-news/aeg-news---new-issue>. The new look of the issue is stunning, and AEG would like to congratulate Anna Saindon, *AEG News* Editor, and Andie Ptak, *AEG News* Production Manager, for their hard work and dedication!

The March 2014 issue includes:

- The President's Message
- The Treasurer's Report
- AEG Foundation News
- Committee/Technical Working Groups Reports
- Honoring Our Past Presidents

### **Special Section: Celebrating AEG News**

- A Brief History
- 20 Years of Editors
- The Magic of the Printing Press Lives on

### **News of the Profession**

- Vapor Intrusion: The Conference
- Reaching the Power Audiences

### **Professional Contributions**

- What Does Sustainability Look Like?

### **Field Trips**

- Kartchner Caverns State Park
- An East African Journey

### **Issues in Professional Licensure**

### **The Home Front**

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XII. NEWS FROM COMMISSIONS

● C4- Education and Training

Fred Baynes

IAEG Commission 4 on Education and Training invites you to advertise the details of any courses providing education and training in engineering geology. The Terms of Reference of Commission 4 is as below.

International Association for Engineering Geology and the Environment



IAEG C4 – EDUCATION AND TRAINING

Objective: To provide information on education and training courses in engineering geology that are available around the world and to promote the development of further courses.

Terms of Reference: To achieve the above goals, tasks to be undertaken will include:

1. Collect information of the different kinds of education and training courses that are currently available around the world.
2. Network with practitioners and academics with an interest in this subject and develop a team of active participants in Commission 4.
3. Develop and maintain a dedicated area within the IAEG web site where information on available education and training courses can be lodged by course providers and accessed by potential course attendees.
4. Establish the needs of end users.
5. Define a variety of typical curricula for course providers to consider when developing new courses.
6. Communicate progress via IAEG web site and Council meetings.
7. Prepare a 10 year plan to promote education and training in engineering geology

Chairman: Fred Baynes.

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● C10-Building Stones & Ornamental Stones

<http://www.globalheritagestone.org/>

President: Björn Schouenborg Email: bjorn.schouenborg@cbi.se

Secretary General: Barry Cooper Email: barry.cooper@unisa.edu.au

OPENING MESSAGE selected from C10 Circular No 8

HSTG has continued to be very busy over the past few months.

First of all we now have a formal logo that has been placed at the head of this Circular. Thank you, Lola Pereira, for your effort in designing this symbol.

Over the past few months Board members have been very involved in gathering, reviewing and editing an initial volume of papers on heritage stone as a Special Paper of the Geological Society of London. It will be entitled “Global Heritage Stone: Towards international recognition of building and ornamental stones” Vice President East Asia, Hirokazu Kato, has also initiated a separate proposal to compile a volume entitled “Stone Heritage in East and Southeast Asia”.

Over the next few months heritage stone enthusiasts will gather at the European Geoscience Union (EGU) General Assembly in 2014 in Vienna, Austria and at Geological Society of America North Central Section meeting in Lincoln, Nebraska.

Our major conference for 2014 will be held in Turin, Italy, 15-18 September 2014, as a session entitled “Building stones & Ornamental rocks - Resource Evaluation, Technical Assessment, Heritage Designation” within the 12th IAEG conference. A volume of papers will published for this conference and over the past few months Board members have also been busy arranging reviews and editing this volume. Most importantly a Review Form has recently been drafted that will guide future GHSR assessment. A copy of this Review Form accompanies this Circular and is open for comment.

It is envisaged that this form will be completed by two members of the HSTG Board with subsequent submission to the full HSTG board for consideration.

Our numbers of HSTG correspondents continue to increase. As of 1 March 2014 we have 221 members from 50 countries. Over the next few months, you will receive a special information request. The aim of this request is to obtain a standard amount of information about you all and your interests in Heritage Stone.

As per routine, please feel free to nominate additional HSTG Corresponding Members at any time.

Barry Cooper

Secretary General

The full version of C10 Circular No 8 and a questionnaire on Review of Nomination

for “Global Heritage Stone Resource” designation are available via the link:

https://www.dropbox.com/s/g17oqxolz2vb2st/Heritage%20Stone%20Task%20Group%20Circular%20208%20and%20Approval%20Questions_Draft.zip

● **Brief information on new C35 - Monitoring**

http://www.iaeg.info/index.php/commissions22/cat_view/109-iaeg-commissions/185-iaeg-commission-35-br-monitoring-methods-and-approaches-in-engineering-geology-applications

Introduction

Monitoring methods play an important role in several aspects of Engineering Geology. Indeed, all the activities aimed at “investigating and finding solutions of the engineering and environmental problems which may arise as the result of the interaction between geology and the works and activities of man, as well as to the prediction and of the development of measures for prevention or remediation of geological hazards (IAEG statutes, 1992)”, significantly benefitted of the extraordinary technological progresses achieved in the last two decades. Advanced monitoring instruments and complex methodologies, going from in-situ to remote sensing approaches, allow us nowadays to gather invaluable information about numerous physical parameters at unprecedented spatial resolution and temporal sampling.

Objectives

The Commission 35 aims at analysing the main aspects of monitoring methods and approaches used in Engineering Geology applications. The main goals are:

- To evaluate new monitoring instruments, techniques and procedures;
- To identify standards and best practices criteria based on relevant experiences and bibliographic information;
- To evaluate the efficient integration of monitoring approaches based on the analysis of specific contexts;
- To promote guidelines and standards for a correct and efficient divulgation of the monitoring data and results;
- To share expertise, monitoring methodologies, and eventually monitoring instruments, to jointly analyse scientifically relevant case studies, which can be used as reference.

Chairman:

Giorgio Lollino

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## **XIII. OTHER NEWS**

### **BULLETIN COVER COLLECTION**

It's appreciated that members are able to provide good quality photos suitable to our Bulletin cover by sending the original photos in big size, photos in small size for selection first or the hyperlink to download to [iaegsg@163.com](mailto:iaegsg@163.com) or [martin.culshaw2@ntlworld.com](mailto:martin.culshaw2@ntlworld.com).

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### **NEWS FROM SPRINGER**

#### **● E-token**

Please be aware that the token is being sent just the very first time the access is activated. Once the member has followed the instructions and registered at Springerlink <http://link.springer.com/> , he will NOT receive a new message every year. The account remains active with the log in details the customer has chosen. So , whenever somebody claims not having received the token, you can ask first to check their account at Springerlink and proof if the access is still available.

#### **● Shipping date**

You can find the shipping dates of the Bulletin at the Springer homepage <http://www.springer.com/earth+sciences+and+geography/environmental+science+%26+engineering/journal/10064> Under “services for the journal” at the left side of the page you will find the requested details.

## XIV. MEMBERSHIP

### 1. Membership 2014

For the reason of different fiscal year plans of NGs, the membership update 2014 is still under going.

So far, IAEG has now 2753 members from the 27 NGs in total, including 1151 members with Bulletin, 1575 members without Bulletin and 17 associate members. The NGs with over 200 members so far are Germany (527), China (515), New Zealand (373) and Australia (311).

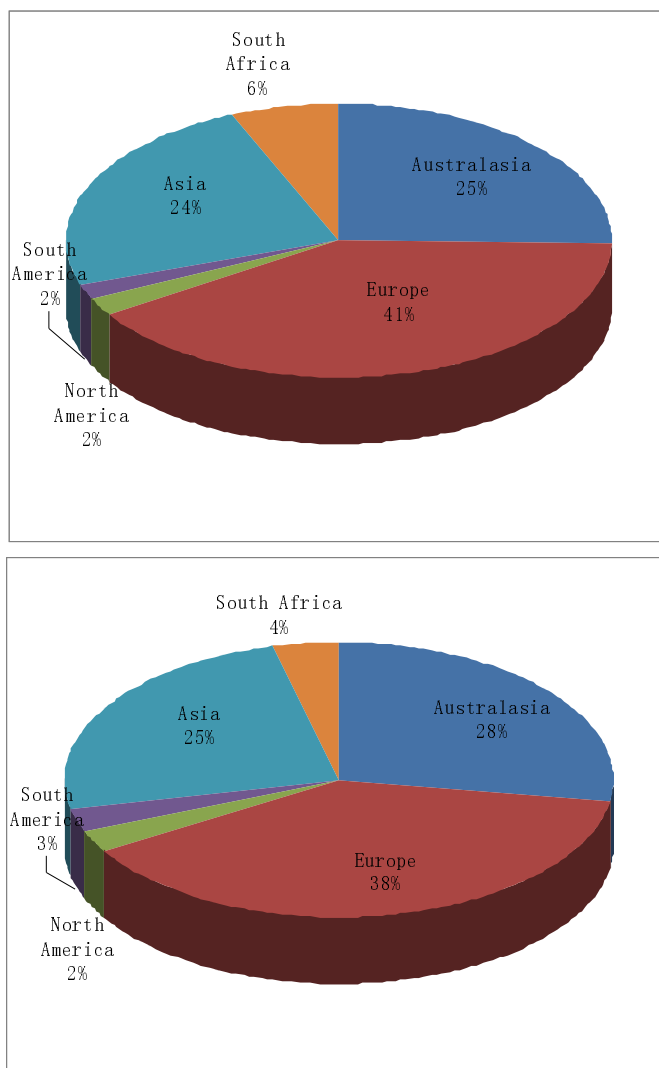


Fig.1 Pie for membership (up) and Bulletin subscription (down) till June 16, 2014

## 2. Historical Membership since 1999

Table 1 Historical Membership since 1999

| Year | with Bulletin | without Bulletin | Associated | Total | National Groups |
|------|---------------|------------------|------------|-------|-----------------|
| 1999 | 2806          | 4086             | 44         | 6936  | 58              |
| 2000 | 2719          | 4081             | 47         | 6847  | 58              |
| 2001 | 2510          | 1846             | 50         | 4406  | 58              |
| 2002 | 2308          | 4414             | 55         | 6777  | 58              |
| 2003 | 2485          | 4713             | 44         | 7242  | 58              |
| 2004 | 2135          | 4545             | 43         | 6723  | 58              |
| 2005 | 2121          | 1852             | 43         | 4016  | 56              |
| 2006 | 2372          | 1823             | 40         | 4235  | 56              |
| 2007 | 1806          | 1085             | 35         | 2926  | 56              |
| 2008 | 1764          | 1508             | 18         | 3290  | 56              |
| 2009 | 1988          | 1402             | 17         | 3407  | 56              |
| 2010 | 1764          | 1367             | 27         | 3158  | 56              |
| 2011 | 1930          | 1182             | 18         | 3130  | 56              |
| 2012 | 2056          | 1320             | 18         | 3394  | 56              |
| 2013 | 2250          | 1683             | 34         | 3954  | 57              |

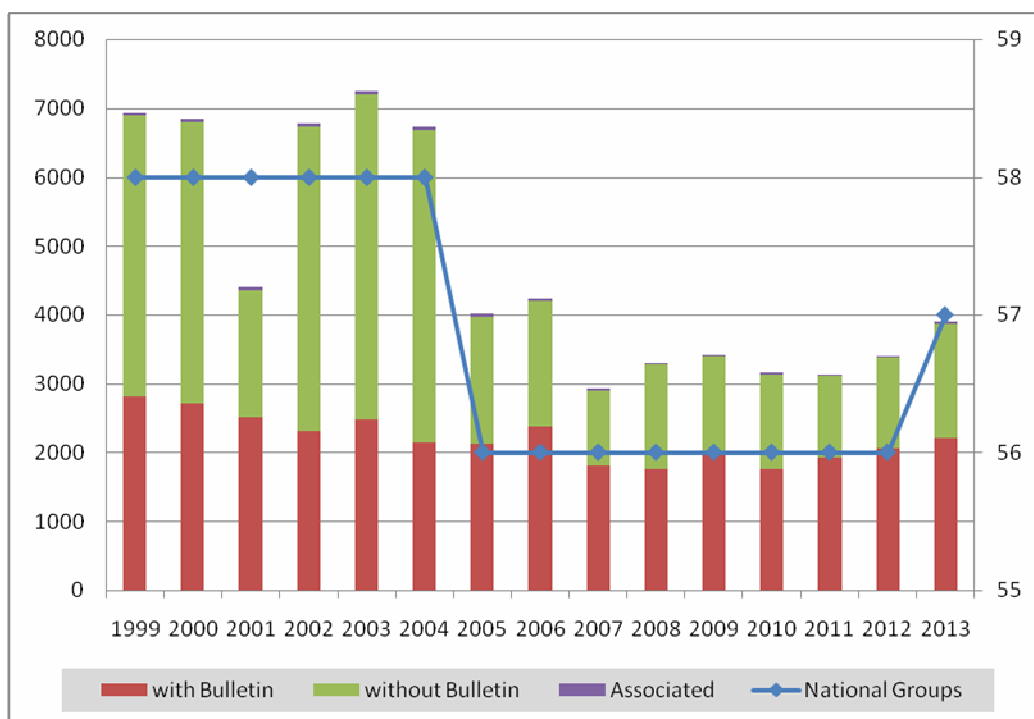


Fig.2 Historical Membership since 1999

## **XV. MEETING INFORMATION**

### **● Argentina**

**11° Symposium on Engineering Geology and the Environment** will be held on May 13th up to May 15th 2015 in Buenos Aires, Argentina, in commemoration of 40 years of ASAGAI (IAEG National Group of Argentina). Contact address: [simposio@asagai.org.ar](mailto:simposio@asagai.org.ar)

### **● Austria**

#### **7th Colloquium Rock Mechanics**

<http://www.ig.tuwien.ac.at/>

7th Colloquium Rock Mechanics - Theory and Practice with "Vienna-Leopold-Müller Lecture" will be held on March 13th and 14th 2014 in Vienna.

### **● Canada**

#### **6th Canadian GeoHazards Conference (GeoHazards 6)**

<http://www.geohazards6.ca>

The 6th Canadian GeoHazards Conference (GeoHazards 6) will be held by the Canadian Geotechnical Society (CGS) on June 15-18, 2014 at Queen's University in Kingston, Ontario, Canada. The GeoHazards conferences are the premiere forums in Canada for the sharing and dissemination of scientific and engineering knowledge related to geohazards.

Geohazards affect a broad spectrum of public and industrial interests in Canada. In many ways the risks posed by geohazards are increasing as we spend more time in hazardous places, and place more infrastructures there. The need to assess, mitigate, and communicate these risks is likewise becoming more relevant to more Canadians. GeoHazards 6 will include applied research reports and case studies related to a broad range of geohazards, and the risks they pose, with the goal of sharing ideas, approaches, and solutions to similar but unique engineering and scientific problems related to geohazards.

#### **International Conference on Discrete Fracture Network Engineering**

<http://www.dfne2014.ca>

DFNE 2014 will be held at the Sheraton Wall Centre in scenic downtown Vancouver, British Columbia, Canada from October 19 - 22, 2014. The DFNE 2014 organizing committee invites you to join us to share your ideas and experiences in the increased development and practical use of this technology under the theme Engineering Characterization of Fractured Rock Masses: Applications of Discrete Fracture Network Engineering.

The Vancouver rock mechanics community is pleased to host DFNE 2014, the 1st International Conference on Discrete Fracture Network Engineering. This conference will be the inaugural international meeting of engineers and geoscientists who use discrete fracture network engineering in the characterization of rock masses and solutions of engineering problems. This new and rapidly expanding area of engineering has wide applications, including underground and surface mining, underground nuclear waste disposal, petroleum geomechanics, civil engineering and natural hazards.

## ● India

### **International Conference on “Engineering Geology in the New Millennium” (EGNM 2015)**

[http://joegindia.com/Circular-%20ISEG\\_CBIP\\_Workshop\\_18%2010%2013.pdf](http://joegindia.com/Circular-%20ISEG_CBIP_Workshop_18%2010%2013.pdf)

As part of Golden Jubilee Celebrations of Indian Society of Engineering Geology (ISEG), ISEG is proposed to organize an International conference on “Engineering Geology in New Millennium” at New Delhi, India during October 27 to 29, 2015. Now the First Announcement is ready.

## ● Korea

### **JTC-1's the First International Landslide Workshop**

JTC-1's the first International Landslide Workshop will be held in Seoul in November 2014 and Prof. Su-Gon Lee is the chairman of the organizing committee of the workshop. If colleague is interested in the workshop, please contact Prof. Su-Gon Lee: [sglee@uos.ac.kr](mailto:sglee@uos.ac.kr)

## ● New Zealand and Australia

### **12th Australia New Zealand Conference on Geomechanics (ANZ 2015)**

<http://www.anz2015.com>

The New Zealand Geotechnical Society and the Australian Geomechanics Society will hold the 12th Australia New Zealand Conference on Geomechanics (ANZ 2015 22-25 February 2015, Wellington, New Zealand) which is the regional conference of the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE) and is held approximately every 4 years. The conference theme is “The Changing Face of the Earth – Geomechanics & Human Influence”.

### **6th International Conference on Earthquake Geotechnical Engineering (6ICEGE) ( [www.6icege.com](http://www.6icege.com) ).**



## INVITATION

On behalf of ISSMGE Technical Committee (TC203) on Earthquake Geotechnical Engineering and Associated Problems, we are delighted to invite you to join us at the 6th International Conference on Earthquake Geotechnical Engineering (6ICEGE) in Christchurch, New Zealand, 2-4 November 2015 ([www.6icege.com](http://www.6icege.com)). Following the highly successful conferences in Tokyo 1995, Lisbon 1999, Berkeley 2004, Thessaloniki 2007 and Santiago 2011, this will be the sixth in this series of specialized conferences.

We believe the 6ICEGE will provide an excellent opportunity for earthquake and geotechnical engineers, geologists and seismologists, consulting engineers, public and private contractors, city and national authorities, and all those involved with engineering works and research related to earthquake geotechnical engineering, to exchange ideas and present their recent experience and developments.

Prof. Misko Cubrinovski  
Conference Chairman  
University of Canterbury, New Zealand

## CONFERENCE FORMAT

The three-day conference will consist of plenary, parallel and poster sessions of both invited and submitted papers in conjunction with keynote lectures and state-of-the-art reports presented by leading international experts. The 6ICEGE will include the 5th Ishihara Lecture, an award lecture created by TC203 to honour the life contribution of Professor Kenji Ishihara in the field of Earthquake Geotechnical Engineering. Workshops on specific topics and round table discussions on the recent advances on this field are also included.

## SPONSORSHIP

To find out more about the sponsorship opportunities the Conference has to offer please contact:

Brendon Bradley  
University of Canterbury  
Email: [brendon.bradley@canterbury.ac.nz](mailto:brendon.bradley@canterbury.ac.nz)  
Telephone: +64 27 460 1732

## IMPORTANT DATES

Abstract submission opens: **3 June 2014**

Abstract Submission Deadline: **1 September 2014**

Notice of Acceptance: **1 October 2014**

Full papers due: **1 March 2015**

## ABSTRACT SUBMISSION

Prospective authors are invited to submit abstracts in English of 200 to 300 words in a broad range of topics in the field of earthquake geotechnical engineering and soil dynamics. These include, however are not limited to the following:

- 01 Soil dynamics: field and laboratory testing
- 02 Soil-site characterization and dynamic soil modelling
- 03 Site effects and microzonation
- 04 Seismic hazard and strong ground motion
- 05 Soil liquefaction and lateral spreading
- 06 Impacts of liquefaction on buildings and infrastructure
- 07 Slopes, embankments, dams and landfills
- 08 Earth-retaining and waterfront structures
- 09 Shallow and deep foundations
- 10 Residential and multi-storey buildings
- 11 Underground structures and waste repositories
- 12 Lifeline earthquake engineering
- 13 Offshore structures, critical facilities
- 14 Soil-structure-foundation interaction
- 15 Analytical and numerical methods
- 16 Case histories, observations and lessons from recent and past earthquakes
- 17 Codes, policy issues, insurance and standard of practice
- 18 Geotechnical engineering for mega-earthquakes and multi-hazards
- 19 Geotechnical engineering for urban systems and resilient communities
- 20 Performance-based design in earthquake geotechnical engineering

## FURTHER INFORMATION

Please visit the conference website [www.6icege.com](http://www.6icege.com) for updates, details on abstract submission, registration and useful tips for planning your trip to Christchurch.

Secretariat 6ICEGE - email: [6icege@tcc.co.nz](mailto:6icege@tcc.co.nz)

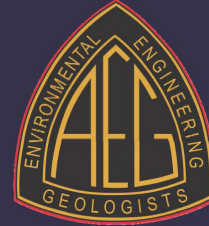
[WWW.6ICEGE.COM](http://WWW.6ICEGE.COM)



## Join Us for the 57th Annual Meeting

September 20-28, 2014 | Scottsdale, Arizona

Hosted by the AEG Arizona Section



### Tentative Technical Sessions/Symposia

- ◆ Probability and Reliability Based Design
- ◆ Groundwater/Environmental Site Characterization
- ◆ Earth Fissures
- ◆ Engineering Geology for Mining Projects
- ◆ Geological Engineering for Transportation Projects
- ◆ Rockslope Mapping & Mitigation
- ◆ Unsaturated Soils
- ◆ Geophysics
- ◆ Dam Rehabilitation
- ◆ Landslides
- ◆ Wildfires and Debris Flows
- ◆ Landfills and Waste Fills
- ◆ GeoPhilanthropy

- ◆ Field Trips to include the Grand Canyon, Sedona sinkholes, Kartchner Caverns, and an open pit copper mine.
- ◆ Short courses including Estimation of Soil Properties for Foundation Design, Interpreting Aerial Photographs to Identify Natural Hazards, LIDAR Scanning and Point Cloud Processing, and MODFLOW—USG.
- ◆ Meeting to be held at the DoubleTree Hotel, located in the heart of Old Town Scottsdale, within walking distance of great shopping, restaurants, and nightlife
- ◆ An exciting special event at the renowned Zelma Basha Salmeri Gallery of Western American and Native American Art.



[www.azaeg.org/aeg2014](http://www.azaeg.org/aeg2014)



Now accepting  
abstracts for  
posters and oral  
presentations!

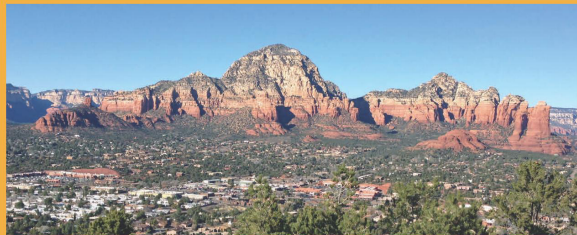


Photo credit: Flickr user NatalieMaynor

## XVI. OBITUARY

### In Commemoration of Dr. Valentina Shibakova (1934-2014)



Dr. Valentina Shibakova, a recognized Soviet and Russian engineering geologist passed away on April 22, 2014, at the age of 79. Dr. Valentina Shibakova was an active member of international engineering geological community, the secretary of the Russian national group IAEG (1971-1991), an assistant to Prof. Evgenii Sergeev in the term of his presidency as well as in the entire period of his activity within IAEG Executive Committee.

Valentina Shibakova was born on August 22, 1934, in the Alferievo village, the Moscow region. In 1957, she graduated from the Moscow State University, the Geological faculty, and assumed the position of laboratory assistant at the Department of engineering geology and soil and rock engineering. Having finished the post graduate course in engineering geology in 1964-1967, she defended her PhD thesis on “Engineering geological role of clay texture”

prepared under the guidance of Prof. E.M.Sergeev. She was involved in research on thermal stabilization of clay with super-high-frequency (SHF) waves, and performed laboratory tests in thermal treatment of clay surface with microwaves. In 1971, she obtained a patent for the method of soil stabilization using SHF waves. In addition to her scientific activity, Valentina was an outstanding sportswoman, who gained a degree of master in speed skating. She won many contests in speed skating of the country level.

In 1972, Valentina Shibakova took the position of Executive Secretary of the Scientific Council in engineering geology and soil and rock engineering at the USSR Academy of Sciences, and remained in this office till 1991. This structure founded and headed by academician E.M.Sergeev was the most important scientific body in USSR Academy of Sciences that coordinated and arranged scientific research in engineering geology all over the USSR. The Council encompassed about 1000 members united in 7 regional sections and 28 topical commissions. Annually, the Scientific Council held more than 20 different events of various level, i.e., symposia, conferences, seminars, and workshops. Being in charge of organization of all these events, Valentina Shibakova was involved in a wide scope of problems of engineering geological community, established wide and strong ties with numerous colleagues both in the USSR and abroad.

Apart from her activity as an executive secretary of Scientific Council RAS, Dr. Valentina Shibakova was intensely involved in the activity of IAEG. She was an assistant, interpreter, and personal representative of academician Evgenii M. Sergeev, who headed the Russian national group IAEG, and in 1970s -1980s occupied the positions of Vice President, President, and past President IAEG. One of the greatest deeds by V.S. Shibakova (as she considered it herself) was her participation in the preparation and publication of an international monograph on Engineering Geology of the Earth (Eds.: W. R. Dearman, E. M. Sergeev, V. S. Shibakova, Nauka Publishers, Moscow, 1989). At the IAEG Congress in Amsterdam in 1990, O.White, the President IAEG at that time and L.Primel, the General Secretary, highly estimated the value of this book and named it among the main achievements of IAEG.

In the last years of her life, Valentina Shibakova wrote a series of reminiscences articles devoted to

various prominent engineering geologists, both Russian and foreign, to whom she was related in her professional activity. In particular, the journal “Engineering Geology” published her articles commemorating Dr. Richard Wolters, Prof. Marcel Arnould, Prof. E.M.Sergeev, Prof. G.A. Mavlyanov, and many others. These efforts of her make undoubtedly a valuable contribution to the history of science. Many colleagues of Valentina Shibakova will keep the warm memory of her in their hearts. As Past President IAEG Prof. Paul Marinos wrote in his condolences directed to the Russian national group: “Dr Shibakova had a so important contribution to the links of IAEG and the Russian (and Soviet those times) engineering geology community. Her devotion to IAEG affairs was paradigmatic. Valentina was an adorable colleague.” We are very sorry for this loss.

*Victor Osipov,  
Olga Eremina*

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