

**International Society for Soil Mechanics and Geotechnical Engineering**

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TABLE OF CONTENTS

Select all items below

- 1 [President's message](#)
- 3 [Major project](#)
[Hong Kong Visionary Plan in the Pursuit of Rock Cavern Development](#)
- 8 [Young members' arena](#)
- 12 [Conference reports](#)
 - [International Workshop "Geotechnical and structural problems associated with the protection of historical monuments and unique constructions"](#)
 - [The 8th Asian Young Geotechnical Engineers Conference](#)
- 18 [ISSMGE Foundation report](#)
- 19 [Obituary](#)
[Professor Fukuoka, Past President of ISSMFE](#)
- 23 [Event Diary](#)
- 31 [Corporate Associates](#)
- 33 [Foundation Donors](#)

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President's message**ISSMGE Global Survey on State-of-the-Art (SoA) and State-of-Practice (SoP)**

Dear Members of ISSMGE,
Dear Colleagues,



part in the survey.

I am most happy to announce the launching of the ISSMGE Global Survey on the State-of-the-Art (SoA) and the State-of-Practice (SoP) in geotechnical engineering. Allow me to insist strongly that you all take

The survey will officially be launched on the 10th of March 2017. The link to the survey is:
https://www.surveymonkey.com/r/CAPG_SoA_SoP_survey

Please, note that the survey will be running until the 30th of April 2017.

As you know, the ISSMGE is committed to working closely with both academia and the practical world of the geotechnical engineering profession. I consider that one of its main goals is thus to bridge the gap between the state of the art and the state of practice. In other words, the ISSMGE should help transfer to practice more results from academic research and, reciprocally, help better feed the academic research with the needs of practice. The ISSMGE Technical Committees (TCs) are, obviously, the main tool for achieving this important goal.

The intent of this survey is to identify important areas for improvement as well as recognising achievements our profession has made! This is why it is very important that as many geotechnical engineers as possible take part in the survey and contribute to the best possible understanding of the situation in our great profession.

President's message (Con't)

This survey is the result of two years of planning and consultation. It is a joint product of the Corporate Associates Presidential Group (CAPG) and the Technical Oversight Committee (TOC), which are two of the Board Level Committees of the ISSMGE. I would like to express here my gratitude to the CAPG, chaired by Sukumar Pathmanandavel, to the TOC, chaired by Pierre Delage, as well as to the Officers of all the TCs for their hard work and commitment to the launching of the survey.

The survey is launched well ahead of the 19th International Conference to be held in Seoul in September 2017. The idea is that the results from this survey will be presented and discussed at the Seoul conference. Your views will thus provide valuable input to this very prestigious world conference!

The survey is designed to be completed within a relatively short time frame, which can be as short as 15 minutes. You are not obliged to answer all the questions. Just answer those which you feel are interesting. You can of course take more time and contribute more extensively. The CAPG and the TOC, together with the TCs, will value each and every response, short or long. Please, also note that it is best to complete this survey in one sitting as the survey mechanism does not cater to saving your responses.

We are looking forward to receiving your survey responses. I thank you very much in the name of those who planned and designed the survey, as well as in the name of the geotechnical community represented by the ISSMGE!

*Roger Frank, ISSMGE President
27th February 2017*

Major project

Hong Kong Visionary Plan in the Pursue of Rock Cavern Development

Hong Kong's topographical setting with steep hilly terrain poses significant constraints on its urban development. The shortage of developable land forms a key driver to explore other sustainable and innovative approaches to expand land resources. Strategic use of underground space is considered a viable solution that can create space for a broad variety of land uses. The scope is not only confined to better utilizing underground space in the urban areas, but also enhancing the planned use of rock caverns at the urban fringes (Figure 1). It is a paradigm shift by seeking land mass from a 3-D perspective, with a view to optimize the use of these 'hidden' land resources to meet Hong Kong's planning and development needs. Since 2010, the Civil Engineering and Development Department (CEDD) for the Government of the Hong Kong Special Administrative Region has launched a number of strategic studies to formulate a holistic plan to facilitate wider application of rock caverns. A suite of new initiatives has been developed to take forward the long-term strategy for cavern development in Hong Kong.

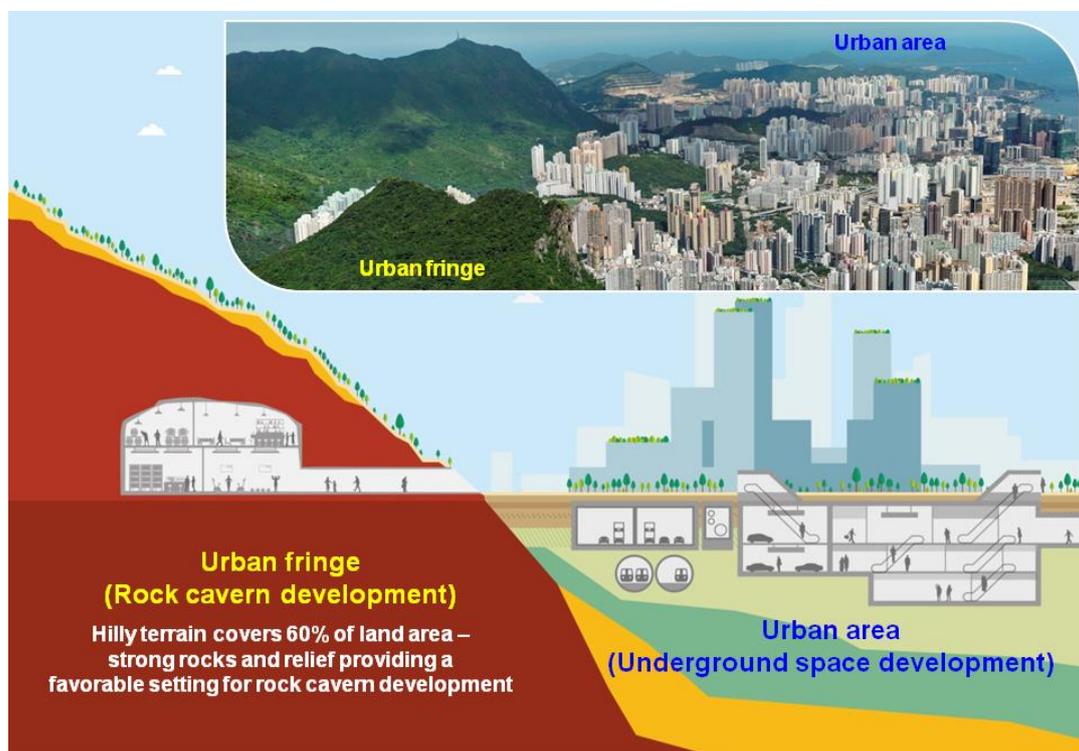


Figure 1. Underground space development strategy in Hong Kong

Opportunities and Benefits

Rock cavern development is not a new concept in Hong Kong. Notwithstanding this, its usage has been generally restricted to a narrow range of facilities (e.g. sewage treatment works, refuse transfer station and service reservoir). Based on overseas experience, applications can be extended to a broad spectrum of beneficial uses (Figure 2), such as community and recreational facilities (sports hall, swimming pool, exhibition gallery, adventure park, retail, car park), storage facilities (archives, food, wine, oil and gas), commercial and industrial facilities (data centre, office, logistics/warehousing, light manufacturing, maintenance workshop, underground quarrying) and special facilities (testing laboratory, shooting range, fire-fighting training, civil defence). The versatility of rock cavern development is well demonstrated by these notable examples.

Major project

Hong Kong Visionary Plan in the Pursue of Rock Cavern Development (Con't)



Itäkeskus Swimming Hall,
Finland



Gjøvik Olympic Stadium,
Norway



Finlandia Hall Car Park,
Finland



Mega Cavern
Adventure Park, USA



National Archives,
Norway



Jurafore Fort des Rousses
Food Storage, France



Champagne Taittinger
Wine Storage, France



Pionen Data Centre,
Sweden



Springfield Underground
Warehousing/Logistics, USA



Schollberg Underground
Quarry, Switzerland



Hagerbach Test Gallery,
Switzerland



Brunig Indoor Shooting
Sports Centre, Switzerland

Figure 2. Opportunities for wider application of cavern development from overseas examples

In the Hong Kong context where land shortage forms the key driver, the benefits of cavern development are manifold. Relocation of suitable existing government facilities to rock caverns could release surface sites for other beneficial uses and could remove incompatible land uses by placing unpopular facilities in caverns. Rock caverns could also provide space to accommodate suitable new public and private sector facilities where there is a shortage of available surface land, thereby reducing further land take. Introducing innovative cavern usage would help accommodate those facilities that have difficulty in finding suitable surface sites (e.g. maintenance depots and columbaria) and those that could benefit from the stable and secure underground environment (e.g. archives, wine storage, laboratories and data centres). Rocks resulting from cavern construction could also be used as aggregates to support the local construction industry.

New Initiatives

The CEDD recently completed a detailed study on “Long-term Strategy for Cavern Development”. With the support of the study findings, a set of new initiatives have been formulated, which are targeted at creating sustained impetus for promoting and facilitating wider application of cavern development in Hong Kong. Some key initiatives are outlined below. More details are presented in Ho et al (2016).

Major project

Hong Kong Visionary Plan in the Pursue of Rock Cavern Development (Con't)

Cavern Master Plan

Under the study, a territory-wide Cavern Master Plan (CMP) has been prepared with the aim of providing a broad strategic planning framework to guide and facilitate territory-wide cavern development in Hong Kong (Figure 3). It delineates Strategic Cavern Areas (SCVAs) that are well placed for developing rock caverns to meet the existing or future needs of the adjoining districts. All SCVAs identified are located in close proximity to existing urban areas with good supporting infrastructure networks and are sufficiently large to enable accommodation of multiple cavern facilities. These areas offer an additional source of solution space that is versatile for a wide variety of land uses, e.g. housing new commercial, industrial, community or municipal facilities, subjected to the need of the society. For each SCVA, an information note is provided to describe details of the geological, planning, environment and traffic characteristics and other key issues/constraints on cavern development. It also outlines the potential land uses and the extent of potential portal locations.

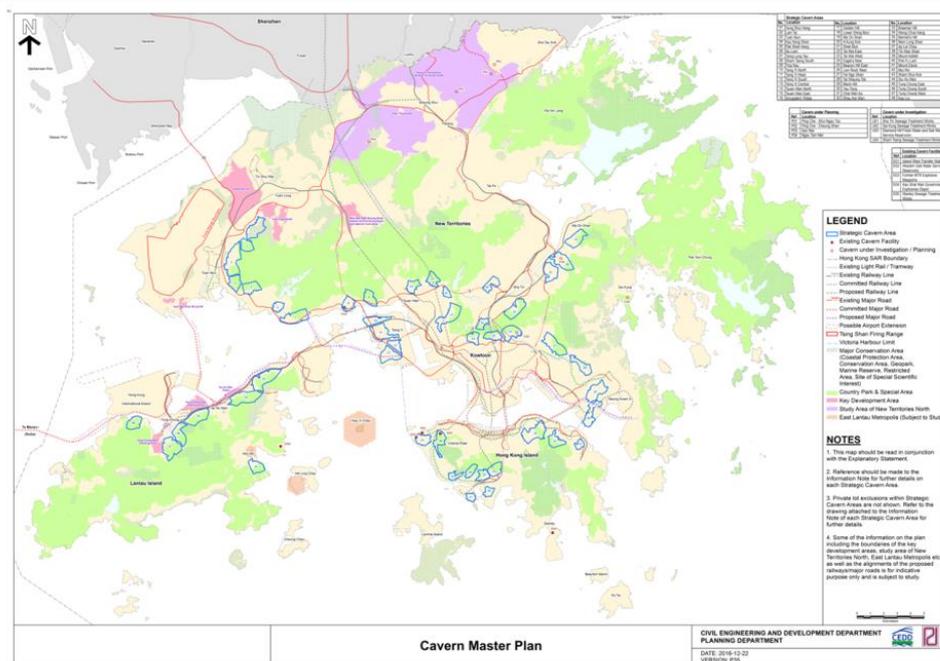


Figure 3. A territory-wide Cavern Master Plan for Hong Kong

Relocation of suitable government facilities

Drawing up relocation plans for suitable government facilities can gradually release surface sites to increase long-term land supply for other beneficial uses including housing development. It can also in the long run upkeep the impetus for cavern development. A recent prominent example is the relocation of Sha Tin Sewage Treatment Works to caverns, which will release a surface land area of 28 hectares at the riverfront for other beneficial land uses (Figure 4). There are also three cavern relocation projects under feasibility studies, namely Sai Kung Sewage Treatment Works, Sham Tseng Sewage Treatment Works, and Diamond Hill Fresh Water and Salt Water Service Reservoirs. Further work will be carried out to formulate a list of suitable government facilities for relocating to caverns, taking into account various factors including financial viability, relocation requirements and any earmarked schedule for releasing the land.

Major project

Hong Kong Visionary Plan in the Pursue of Rock Cavern Development (Con't)



Figure 4. Pilot cavern relocation project for Sha Tin Sewage Treatment Works (currently under investigation and design stage)

Underground quarrying-cum-cavern development schemes

There are successful examples of underground quarries in other countries, e.g. Switzerland and USA (Figure 5). The business case for underground quarrying in these countries is reported to be economically viable through the sale of rock products only, without taking into account the potential additional revenue generated by using the cavern space created. In Missouri, USA, the city government encourages the private sector to use cavern space created from underground quarrying for a wide range of business activities, such as cold storage, data centers, logistics, warehousing and archives. The land bank created by underground quarrying over the past few decades gives the city government a stable source of land supply. Overall, the development model has proved to be sustainable and is of reference value to Hong Kong.



Figure 5. Examples of underground quarries in other countries

Major project

Hong Kong Visionary Plan in the Pursue of Rock Cavern Development (Con't)

The CEDD will soon launch a technical study to explore the potential of implementation of underground quarrying-cum-cavern development schemes. If the concept is found to be technically feasible and economically viable, it could supplement surface quarrying in supplying rock products whilst providing space for rock-related processing services, and bring about benefit in enhancing the long-term land supply by creating a cavern land bank.

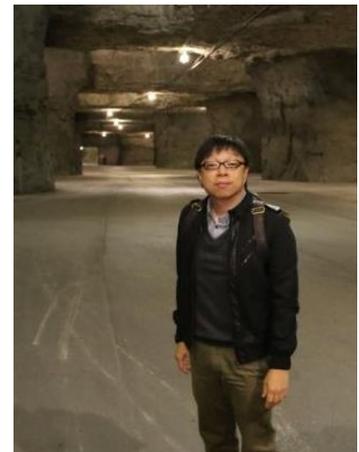
Reference

Ho, Y. K., Shum, K. W. & Wong J. C. F. (2016). Strategic Use of Rock Caverns and Underground Space for Sustainable Urban Development of Hong Kong. *Procedia Engineering* 165, pp.705-716.

Y K Ho

Mr Y K Ho is a Chief Geotechnical Engineer in the Geotechnical Engineering Office of the Civil Engineering and Development Department. He oversees the strategic studies on both rock cavern and underground space development. His division is also responsible for providing technical support and advice to other government departments involving rock cavern and underground space development.

Mr Ho obtained his MSc degree from Imperial College, London and BEng degree from the University of Hong Kong. He has over 20 years experience in civil and geotechnical engineering. He currently serves as a Steering Board Member of the International Tunnelling and Underground Space Association Committee on Underground Space (ITACUS) and a member of ISSMGE TC204 on Underground Construction.



Young members' arena

The 5th Canadian Young Geotechnical Engineers & Geoscientists Conference

On a clear fall weekend, young geotechnical engineers and geoscientists from across Canada, the United States, the United Kingdom, and Hong Kong gathered in Whistler, British Columbia for the 5th Canadian Young Geotechnical Engineers & Geoscientists Conference (cYGEGC). The conference hosted 53 delegates, all of whom had an opportunity to share their work through posters and presentations.

The cYGEGC is a triennial conference targeted towards geotechnical engineers and geoscientists under the age of 35. The conference is supported by the Canadian Geotechnical Society (CGS) and occurs along with the annual CGS conference (e.g. GeoVancouver).

The 5th cYGEGC was held from September 29 - October 1, 2016, and included a one-day technical tour and two days of presentations. The conference was planned by an organizing committee of 16 young professionals from across Canada, representing both academia and industry.



Photo 1. cYGEGC Delegates

Technical Tours

The conference kicked off with two technical tours:

- Metro Vancouver Dam Tour
- Britannia Mine Water Treatment Facility and Debris Flow Tour

The Metro Vancouver Dam Tour featured presentations about two water retaining dams; the Cleveland and Seymour Falls Dams. The Cleveland Dam was constructed between 1952 and 1954 in a deep and narrow rock canyon along the Capilano River and is approximately 92 m high and 195 m long. The Seymour Falls Dam is located on the Seymour River where the river narrows. The concrete portion of the dam is approximately 30 m high and 235 m long, and adjacent to the concrete dam is a 225 m long earth-fill portion. The dams provide drinking water storage and supply for the residents of Metro Vancouver. The presentation included information about the water reservoirs contained by the dams, the seepage management strategies, the seismic upgrades, and the instrumentation systems. The day continued with a tour of the Seymour Falls Dam; walking along the crest of the dam and through the concrete structure, and visiting components of the instrumentation system.

Young members' arena

The 5th Canadian Young Geotechnical Engineers & Geoscientists Conference (Con't)



Photo 2. Delegates at the Seymour Falls Dam



Photo 3. Downstream of the Seymour Falls Dam

The Britannia Mine Water Treatment Facility and Debris Flow Tour started with a visit to the MacKay Creek Debris Flow Barrier in North Vancouver. Mackay Creek drains a watershed of 7.8 km² on Grouse Mountain. Following a debris flow in 1995, a debris flow barrier was constructed on the creek in 1996. At the debris flow barrier, a conference delegate presented about the science and engineering of debris flow barriers and subsequently the District of North Vancouver led a discussion about the district's geohazard management program.

The tour continued to the Britannia Mine. Copper was discovered on Britannia Mountain in 1888 which led to the development of the Britannia Mine. By 1929 the mine had become the largest producer of copper in the British Commonwealth and extraction continued until the mine ceased production in 1974. As a result of the mining activity, acid rock drainage and other contaminants were being released into Jane Creek and Britannia Creek. In 2005 a contract was awarded by the Province of British Columbia for the development of a water treatment plant to remediate the site. A presentation about the mine site remediation design and a tour of the water treatment plant and other remediation facilities was provided by Golder Associates. The technical tour ended with gold panning at the Britannia Mine Museum and a guided tour of the Britannia Mine underground workings and mill.

Young members' arena

The 5th Canadian Young Geotechnical Engineers & Geoscientists Conference (Con't)



Photo 4. Technical tour at Mackay Creek Debris Flow Barrier

Technical Program

The conference program included presentations from five keynote speakers who are industry experts and recognized authorities in the field of Geotechnical Engineering. Mr. Doug VanDine led off the conference discussing what it means to be a geotechnical or geoscience professional. Dr. Norbert Morgenstern followed, discussing the state of geotechnical engineering and how we can learn from our successes and failures. Mr. Al Hoffman described how the BC Ministry of Energy and Mines responded to the Mount Polley Mine Tailings Dam Breach. Dr. Suzanne Lacasse ignited a discussion about how we can understand risk both in our designs and in our careers and Dr. Evert Hoek wrapped up the conference with a presentation about the state of practice of rock mechanics.

The two conference days included 32 oral presentations and 20 poster presentations by the delegates. Presentation topics ranged from laboratory testing to site characterization, geohazards and slope stability to foundation engineering, and numerical modelling to planning and guidelines. Delegates discussed case studies and work performed in industry as well as research performed as a part of master's and doctoral research. Proceedings of the conference are provided on the CGS website.

https://www.cgs.ca/pdf/cYGEGC_2016_Technical_Proceedings.pdf



Photo 5. Conference delegate Emily Rowe answers questions after her presentation

Young members' arena

The 5th Canadian Young Geotechnical Engineers & Geoscientists Conference (Con't)

Social Events

The conference program included planned social events in the evening to encourage delegates to get to know each other. The social events included a kickoff dinner at a local whistler pub, a local colour night at a Japanese Style Steak House where meals were cooked for delegates on grills at their tables, and a semi-formal mix and mingle banquet at the hotel on the last evening of the conference.

Conclusion

The delegates enjoyed the opportunities to learn and network provided by the conference. Some delegates of the 5th cYGEGC are already looking towards setting up an organizing committee for the 6th cYGEGC in 2019. The Canadian Geotechnical Society and many other Canadian geotechnical engineering companies are thanked for the generous logistical and financial support they provided to the 5th cYGEGC. Their support made the conference possible.

If you are interested in learning more about the cYGEGC, please visit the conference website: <http://cygegc2016.com/> or contact the conference chairs:

Julian McGreevy (jmcgreevy@bgcengineering.ca) or
Maraika De Groot (mdegroot@bgcengineering.ca)

Upcoming Young Geotechnical Engineers Conference:

The 9th South African Young Geotechnical Engineers Conference (SAYGEC) is being held from 13-15 September 2017. For more information, please contact: info@selahproductions.co.za

Updates from YMPG Committee:

The ISSMGE, through the Young Member Presidential Group (YMPG), has been working on initiatives this year to further the interests of young members. The highlights are:

- Seeking open access for geotechnical publications for a worldwide audience
- Developing an international scholarship database for young members to promote international mobility in research and studies
- Facilitating discussions on the YMPG LinkedIn page
- Continuing to publish articles authored by young members in the YM Arena

For all creative engineers, the YMPG has an ongoing logo contest to design the official logo for young members in the ISSMGE. The logo should reflect the ISSMGE's aims of promoting the international cooperation of engineers and scientists for the advancement and dissemination of knowledge in the field of geotechnics and its engineering and environmental applications. Visit our LinkedIn page to find out more details. Also featured on our LinkedIn page is a Young Members Spotlight. Visit the page often to find out more about your fellow geotechnical engineers around the world.

To join the discussions and keep up to date on young member activities, join our LinkedIn group: <https://www.linkedin.com/groups/ISSMGE-Young-Members-Presidential-Group-7056027/about>

If you are interested in learning more about how the ISSMGE can support young member initiatives in your country, including conferences, contact the Young Members Presidential Group:

<http://www.issmge.org/young-members/young-member-presidential-group>

Updates to the YMPG webpage that will provide more information about young member conferences, and about this YM Arena space are coming soon. Keep your eyes open for it!

Conference Reports

International Workshop “Geotechnical and structural problems associated with the protection of historical monuments and unique constructions”

An International Workshop “Geotechnical and Structural Problems associated with the Protection of Historical Monuments and Unique Constructions” was held on December 12-13, 2016, at the L.N. Gumilyov Eurasian National University, Astana, Kazakhstan. The workshop was dedicated to the 75th Anniversary of distinguished Dr.Eng. in Geotechnical Engineering, Professor Yoshinori Iwasaki, Chairman of ATC-19, the Director of Geo Research Institute (Osaka, Japan). This Event was jointly organized by the Kazakhstan Geotechnical Society, the ATC-19, TC-305 of the ISSMGE, and the Geotechnical Institute of L.N. Gumilyov Eurasian National University.

Geotechnical Experts from Japan, South Korea, Poland, Singapore, Syria, Taiwan, USA, Estonia, Russia, Romania and Kazakhstan participated in this workshop. Also, representatives from the leading organizations of the construction industry of Kazakhstan, the leading scientists in the field of geotechnical and earthquake engineering, University’s academic staff, PhD and Master Students and Members of Kazakhstan Geotechnical Society were invited to attend the workshop.



Photo 1. A plenary session of the International Workshop



Photo 2. Awarding Ceremony of Prof. Yoshinori Iwasaki

The Vice-Rector for social and cultural development of L.N. Gumilyov Eurasian National University Prof. Dikhan Kamzabekuly delivered a welcome speech and congratulated Prof. Yoshinori Iwasaki on his 75th Anniversary and made a point on his contribution and achievements in the professional field. The Vice-Rector called that this event is very important and significant for L.N. Gumilyov Eurasian National University, as a part of the general celebration of the 25th Anniversary of Independence of the Republic of Kazakhstan and also the 20th Anniversary of L.N. Gumilyov Eurasian National University.

In conclusion of the speech, according to the decision of the Rector and Academic Council Eurasian National University, Prof. Dikhan Kamzabekuly presented Prof. Yoshinori Iwasaki the prestigious Award of L.N. Gumilyov Eurasian National University “The Kultegin Medal,” which is the symbol of the imperishability of his or her creativity.

Conference Reports

International Workshop “Geotechnical and structural problems associated with the protection of historical monuments and unique constructions” (Con’t)

The Head of the Department of Design of Building and Structures of L.N. Gumilyov Eurasian National University, the President of Kazakhstan Geotechnical Society, Prof. Askar Zhussupbekov reminisced about the enduring friendship with Prof. Yoshinori Iwasaki. He introduced that Prof. Yoshinori Iwasaki is a visiting Professor of L.N. Gumilyov Eurasian National University since 2005 and has been a scientific consultant of Master and Doctoral Students in Civil Engineering of L.N. Gumilyov Eurasian National University.

Prof. Zhussupbekov also mentioned about the participation of Prof. Yoshinori Iwasaki as a member of the delegation of scientific group from L.N. Gumilyov Eurasian National University in South Kazakhstan for a study of historical monuments and mausoleums of Khoja Ahmed Yassau and Arystan-Bab. These advice and guidance of Prof. Yoshinori Iwasaki became useful guidelines for the development of the Master Plan of Astana city and at the Mega project of Highway “Western Europe - Western China” which is implemented on the territory of Kazakhstan.



Photo 3. Co-chairs of a plenary session of the International Workshop: Vice-Rector for social and cultural development Prof. Dikhan Kamzabekuly and Chairman of ATC-19, Dr.Eng., Prof. Yoshinori Iwasaki

Congratulations to Prof. Yoshinori Iwasaki were expressed by the President of JARUS, Prof. Tadatsugu Tanaka and the Chair of Geotechnical Division of Syrian Geotechnical Society, Prof. Talal Awwad and also by other guests.



Photo 4. Group photo of participants of the International Workshop

Conference Reports

International Workshop “Geotechnical and structural problems associated with the protection of historical monuments and unique constructions” (Con’t)

During the workshop, special and keynote lectures were delivered. Prof. Yoshinori Iwasaki presented an invited lecture on the characteristics of damage to stone masonry retaining wall of Kumamoto Castle by Earthquakes of April 2016. Dr. Akitoshi Mochizuki, Prof. Emeritus of Tokushima University (Japan) presented the theme of soil mechanics and science. A special lecture of Prof. Zbigniew Lechowicz (Warsaw University of Life Sciences, Poland) was “*Evaluation of undrained shear strength of cohesive soils in a hollow cylinder apparatus*”. Prof. Talal Awwad (Eurasian National University, Syrian Geotechnical Society, Astana, Kazakhstan) presented a special lecture “*Reconstruction of foundation by using micropiles seismic analysis*”. Professor Eun Chul Shin of Incheon National University presented also a special lecture “*Reconstruction of Nepal Earthquake Damaged Facilities-Drinking water supply line system*”, Prof. Tadatsugu Tanaka from Tokyo University gave a keynote lecture “*Elasto-plastic dynamic response analysis of fill-type dams taking into account strain softening with shear banding*”. Prof. Der-Wen Chang from Tamkang University (Taiwan) presented a special lecture “*Pile foundation design in Taiwan - current practice and perspective*” and Professor Hoe I. Ling of Columbia University (USA) presented on a “*Simple Approach to Seismic Performance of Earth Structures*” as a keynote lecturer. From Far Eastern State Transport University (Khabarovsk, Russia) Prof. Sergey Kudryavtsev presented a keynote lecture on “*Thermophysical calculations embankments of railways in permafrost area in Russian*” and Prof. Leung Chul Fai (National University of Singapore) with topic “*Pile foundations in offshore construction sites*”. Keynote lectures were also presented representatives of Kazakhstan Geotechnical Society by Dr. Tursyn Zhunissov from the L.N. Gumilyov Eurasian National University on a topic “*Geotechnical and constructive features of historical and cultural monuments of Kazakhstan*”, by President KazDorNII, Prof. Bagdat Teltayev on “*Road pavements with stabilized soil layers*”, Prof. Mait Mets (Tallin University, Estonia) about “*Soil-structures interaction on soft ground of Parnu (Estonia)*” and Prof. Ludmila Bejenaru from University of Al. I. Cuza (Iasi, Romania) about geotechnical infrastructures of Mega Projects in Romania as well. During workshop all participants discussed problems in Geotechnical Engineering in Kazakhstan and their countries and shared valuable experiences in this field. In the following day of the workshop, a technical tour was arranged to a construction site of a new mosque on the left coast of Ishim River in Astana.



Photo 5. Group photo of Keynote lecturers and engineers of KGS, Ltd. in technical tour of the International Workshop (temperature of weather is -20°C), from left to right: Prof. Hoe I. Ling (Columbia University, New York, USA), Site Engineer Ramazan Sadmanov (KGS, Ltd., Astana, Kazakhstan), Prof. Akitoshi Mochizuki (University of Tokushima, Tokyo, Japan), Prof. Yoshinori Iwasaki (Geo-Research Institute, Osaka, Japan), Prof. Askar Zhussupbekov (Eurasian National University, Astana, Kazakhstan), Manager of construction site, Dr. Ivan Morev (KGS, Ltd., Astana, Kazakhstan)

Conference Reports

International Workshop “Geotechnical and structural problems associated with the protection of historical monuments and unique constructions” (Con’t)

In the evening of the workshop, the participants were invited to a Gala Dinner with several national toasts (Banzai, Combai, URA, ALGA, and others) which were dedicated for strong health, prosperity and happiness of great Professor Iwasaki Sensei. Prof. Askar Zhussupbekov also introduced participants congratulation messages for the 75th Birthday Celebration of Prof. Yoshinori Iwasaki from Prof. Jean-Louis Briaud, President of FedGS, the Immediate Past President of ISSMGE, Prof. Neil Taylor -General Secretary of ISSMGE, Prof. Ikuo Towhata -the Vice President of ISSMGE for Asia and other colleagues from Russia, USA, Japan, Ukraine, and other countries.



Photo 6. The 75th Anniversary cake for Professor Yoshinori Iwasaki

Foreign participants - VIP Professors also stayed in Astana, Kazakhstan, for about two weeks. They gave several short courses on the Geotechnical and Civil Engineering for Master and Doctoral Students of L.N. Gumilyov Eurasian National University.

Conference Reports

The 8th Asian Young Geotechnical Engineers Conference

The 8th Asian Young Geotechnical Engineers Conference which took place in Astana (Kazakhstan) from 5 to 7 August 2016 attracted more than 100 Engineers from 18 countries all over the world. The conference was held under the title “Challenges and Innovations in Geotechnics” and provided young geotechnical engineers with opportunities to deliberate and discuss important problems in geotechnics and many others.

The conference intended to reveal the most significant geotechnical engineering aspects from a local to a global level. Worldwide cooperation of young geotechnical engineers will open new horizons in geotechnics and give sustainable support for future research.

Talking about the problems of geotechnical and structural engineering in general, we can identify a number of serious problems: detachment of practice from theory; academic initiation and full-scale implementation; construction in seismic areas (especially that of high-rise buildings); industrial facilities with high risk (nuclear power plants, industrial facilities, etc.); the use of high-efficiency and energy-saving technologies; issues of environmental pollution and so on.

Due to the number of issues in geotechnics, we do not limit ourselves to solving specific problems only. We are also interested in social, economical, environmental and other issues of the modern world. Realizing the difficult political situation in the world, we must not ignore these burning questions. Numerous intergovernmental conflicts and wars destabilize society, inhibit progress, suppress the natural tendency to develop the minds of people and drain confidence in a peaceful future.

We would like to utilize these tools along with other social media tools such as LinkedIn and Facebook to strengthen communication in both ways with not only our members but also with societies and other international organizations that young members of ISSMGE could cooperate with.

The 8AYGEC was established as a body to exchange academic aspects of soil mechanics and has developed to exchange ideas and experiences between theory and practice.

In recent trends of increasing natural disasters including earthquake-induced liquefaction, local site effects and landslides (caused by heavy rain as well as earthquakes). The ISSMGE has a potential power to contribute towards mitigation of geohazards.

We would like to promote the following activities:

1. To promote a lecture series on the state-of-the-art on geohazards and other necessary topics in geotechnical engineering and publish them on our website;
2. To establish an international emergency task team to study natural geohazards including heavy rain fall, earthquake and climate changing issues;
3. To encourage the establishment of national member societies in developing countries and help them to maintain their activities;
4. To develop interactions between not only practical and academia sectors within the society but also international organizations including UNESCO, ISO and UN. We would like to work with these institutions for further development of ISSMGE and social contribution of ISSMGE as a professional group;
5. To learn techniques to help protect properties, structures and events against terrorist attacks;
6. To design and construct new smart future cities with clean water and air, eco-friendly sustainable development, hospitals, welfare facilities and easy accessing transportation system.

Conference Reports

The 8th Asian Young Geotechnical Engineers Conference (Con't)

We feel strong gaps of geotechnical knowledge and practice between developed and developing countries. Recent damages by geohazards in developing countries show the needs for fundamental knowledge of geotechnical engineering to guard themselves. We need technical transfer from developed to developing countries in the field of geotechnical engineering. It is also important for developing countries to create their own disaster mitigation technologies that suit their own needs.

Our event was designed to show a good example of a productive, peaceful cooperation, which should be attributed to any dialogue.

We sincerely believe that our event will bring benefit and value for a new generation of future geotechnical - engineers!

Astana, Kazakhstan

The 8th Asian Young Geotechnical Engineers Conference

ISSMGE Foundation Report

The workshop started with a welcome speech by Prof. Lyesse Laloui who told us about how ATSSS started and what were the objectives of the workshop. This welcome speech was followed by a lecture by the vice-president of ISSMGE-Europe, Prof. Antonio Gens. Representatives from supporting organisations such as technical committees of ISSMGE (TC-101, TC-106, TC-308) introduced their respective committees and events organized by them in near future. A keynote lecture by Prof. Mario Manassero and a feature lecture by Charles Shackelford followed next. The intrinsic and state parameter approach explained by Prof. Mario Manassero was quite enlightening.

The parallel sessions on unsaturated behaviour of soils and shales and soil-structure interactions were next. I attended the soil-structure interaction session. In this session, I enjoyed the talks on thermo-mechanical behaviour of energy piles and shearing behaviour between granular soil and artificial rough surfaces. Predominantly, the talks were on consideration of thermo-hydro-mechanical coupling in soil-structure interaction. The event resumed after a refreshing break with a keynote lecture by Prof. Charles Wang Wai Ng. The talk was delivered on cyclic thermo-mechanical behaviour of unsaturated fine-grained soils with effect of cyclic loading on mechanical behaviour of clay and silt with controlling suction and temperature. Next a feature lecture on effect of free gas on hydro-mechanical behaviour of peat was delivered by Prof. Cristina Jommi. This study was an attempt towards solution of existing field problems. The parallel sessions on unsaturated behaviour of soils and shales and advanced laboratory testing were next. The talks in this session (session on advanced laboratory testing) were quite good and were concerned with either development of new device or on subtleties of specimen preparation method. This was followed by Bishop lecture delivered by Prof. Herve Di Benedetto on advanced testing and modelling of granular materials with and without glue. The study was concerned with small strain deformation for different boundary conditions further treated in hypoplastic model formulations.

The other two days of the workshop followed a similar pattern of keynote lectures, feature lectures and parallel sessions. The main focus of talks was on unsaturated behaviour of soils and rocks with their thermo-hydro-mechanical modelling. The keynote and feature lectures were delivered by Prof. Russel Ewy, Prof. Antonio Gens, Prof. Bernardo Caicedo, Prof. Richard Wan and Prof. Zhang Feng, Prof. Mahdia Hattab, Prof. Frank Wuttke, Prof. Matthieu Vandamme, respectively.

Overall the workshop was really enlightening, informative and very well organized. The workshop was motivating for me and I will recommend this workshop for my fellow geotechnical researchers and practitioners to attend it in 2018, which will be organised under the Alpine Geo-mechanics forum.



Photo 1. Group photograph of the workshop (Venue: Eurotel Victoria Hotel, Villars sur Ollon)

Saurabh Singh
Indian Institute of Science, Bangalore

Obituary

Professor Fukuoka, Past President of ISSMFE (1977-1981)

A Memorial Tribute to Late Professor Fukuoka, Past President of ISSMFE (1977-1981)



Nearly one-century long illustrious life of Professor Masami Fukuoka, a former President of ISSMFE came to an end on January 27, 2016. His passing away deprived the most distinguished engineer and highly revered person of the ISSMGE and Japanese Geotechnical community. The period of his 98 years life spanned the gamut of the global change in the modern history of the world after the devastation of the World War.

Born on March 12 in 1917, he was brought up in the village of Hyogo Prefecture due west of Kobe City. He graduated from the Imperial University of Tokyo (Now University of Tokyo) in 1941 and entered the Public Works Research Institute (PWRI) of the Ministry of Construction. Upon the onset of the World War II, he was recruited to the Japanese army and stationed to the Ship Artillery Bureau of Ujina Port in Hiroshima City. After working a little while in the warfront, he returned to Ujina. It was indeed at that time when the atomic bomb was dropped on August 6, 1945. He worked earnestly to rescue victims carrying them to nearby refugee camps and hospitals.

In the spring of 1946, he resumed the position as a research engineer at the PWRI. It was from this point of time that he got off a new start of his long illustrious career as a geotechnical academician and engineer.

Over the war-wrecked land, soils, rubbles and debris were only materials that could be available and used for restoration of the homeland. To make situations worse, the country was plagued unfortunately by dozens of natural disasters such as gigantic earthquakes in Nankai, (M=8.0, 1946) and in Fukui (M=6.8, 1948). In addition, during the period of 15 years from 1945 to 1960, the Japanese Archipelago was plagued by multiple series of typhoons.

Prof. Fukuoka was one of the civil engineers at PWRI who were hard at work on the forefront of the efforts for the nationwide restoration works of infrastructure such as dams, roads, river embankments etc. Without any refined instruments he invented dozens of hand-made devices and makeshift instruments by himself for the purpose of geotechnical works. Then, the era of modern infrastructure development emerged around 1955 to 1970. Construction of highway network, long-span bridges, trans-bay tunnels, rockfill dams and a series of land reclamation works were implemented with considerable amount of investment. Professor Fukuoka acted as a major geotechnical engineer in spearheading these nationwide large-scale projects.



In 1938 when Mr. Fukuoka entered the Imperial University of Tokyo

Obituary (Con't)

Professor Fukuoka, Past President of ISSMFE (1977-1981)

In parallel to these activities he acted as a key-role playing young vibrant engineer to establish the Japanese Geotechnical Society (JGS) which was founded as early as in 1949. He was one of the engineers who made significant efforts to shape up the organization and administrative framework of the JGS.

He participated in the 3rd International Conference on Soils Mechanics and Foundation Engineering which was held in 1953 in Zurich, Switzerland. This was the first occasion when Japan sent five delegates to the International arena after the War. Following the Conference in Zurich, he spent about one year at Swedish Geotechnical Institute with Dr. Kjellman. Prof. Fukuoka brought back the Swedish Weight Sounding device to Japan.

In 1971, Professor Fukuoka left PWRI after finishing the term of office as the Director and moved to the University of Tokyo in 1972 as professor of geotechnical engineering. It was at the time of turmoil in the university where the student strife had just subsided but still the campus was plagued with many serious aftereffects to be resolved. Confronted with student activists, he made unflagging efforts to subside their sentiment and to restore the university function as a high educational and academic institution.



Working on Swedish weight sounding (1975)



Upon retirement from the University of Tokyo (1977)



In 1977, Professor Fukuoka retired from the University of Tokyo and moved to a position of professor at the Tokyo University of Science, The department of civil engineering was in an infant stage after it had been inaugurated a few years before. He was instrumental in arranging curriculums and in setting up various facilities for the new department.

Over the years before 1970's, there had been silently fermented voices of request from the International Society to hold the 9th International Conference on Soil Mechanics and Foundation Engineering in Japan. Major persons in academia in Japan had taken it seriously and been looking for an appropriate leader who was capable of achieving this important and tough assignment. Around 1972 Prof. Fukuoka was persuaded to play a major role in organizing the committee to advance this large undertaking. He accepted it and then it was the writer's role to write an important letter of proposal to then Secretary General, Kevin Nash. It is still vivid in the writer's memory to hesitate a little while to throw the epoch-making letter into a red mail box in a postal office in Tokyo. The proposal was filed officially by the Japanese delegates, Professors Fukuoka and Y. Yoshimi, in 1973 in Moscow at the time of the 8th ICSMFE.

Obituary (Con't)

Professor Fukuoka, Past President of ISSMFE (1977-1981)

From then onward, preparation was made under the guidance of Prof. Fukuoka, assisted by late Professor A. Nakase and many other colleagues.

The 9th ICSMFE was held on July 11-15th in 1977 at the Imperial Hotel in Tokyo with about 1200 people in attendance. This was a great success, mainly because of the rapidly developing stage of the country involving many construction projects.

Prior to the Tokyo conference, it had been customary in the ISSMFE to have a new president nominated by the incumbent president. It was the first time to use the new method by voting adopted to determine the next president. As a result of several steps of balloting, Prof. Fukuoka was elected to take the term of office as the President for the period of 1977-1981. There were multiple series of heated discussions with the Secretary General, Kevin Nash, concerning the budget and policies in administrating the ISSMFE. It was under the leadership of President Fukuoka that several of the Technical Committees were officially established focusing on important subject areas in the realm of the geotechnical engineering.

A few months before the 10th ICSMFE in Stockholm, Sweden in 1981, the Secretary General, Kevin Nash died suddenly at home. With the loss of a great pillar, the president was shocked, but he wasted no time to nominate Prof. John Burland of the Imperial College to act as the Secretary General for some time. Prof. Fukuoka finished his term of office in 1981 after overcoming several turbulent and difficult issues. In Stockholm, the establishment of Kevin Nash Gold Medal was proposed by the United States National Society and was approved unanimously in memory of his great contribution since 6th ICSMFE in Mexico in 1969. In the writer's memory, Prof. Fukuoka participated in the 11th ICSMFE in San Francisco in 1985, 12th in Rio de Janeiro in 1989 and 13th in New Delhi in 1994 and played an advisory role for the advances and wellbeing of the ISSMFE.



In Rio de Janeiro during the 12th ICSMGE

At home in Japan, activities under Prof. Fukuoka had been incessant and everlasting until a few years before his death. He exercised strong leadership in many of the committees organized by the Japanese Government. To mention a few, he fulfilled the assignment successfully in the planning and implementing committees for the Honshu-Shikoku trans-island large-scale bridges, a 15km-long undersea tunnel across the Tokyo Bay and several rockfill dams about 100 meters high. Upon earnest request, Professors Fukuoka did volunteer to act as testimony for many forensic disputes. He made enormous efforts in advocating defendants in the case of large flow-type landslide accident in Kawasaki which was triggered by an artificial supply of water simulating heavy rainfalls.

In 1976, an accident occurred at a bridge construction site at Yotsugi in Tokyo which was caused by collapse of a ring-shaped bracing beam supporting the excavation for construction of bridge foundations. Prof. Fukuoka acted as a testimony in the court to coordinate the forensic dispute between the plaintiff and defendants.

While his activities spanned the gamut from site exploration to design practice, the stance of his studies has always been oriented to direct observation of prototype performance of geotechnical structures. He did possess strong penchant for full scale behavior of soils and foundations. He persuaded clients earnestly for installing equipment to monitor in-situ soil movement in earth retaining structures and foundations. His technical contribution is characterized by the enormous efforts for prototype field observations. This attitude appears to have been nurtured by his longtime involvements in difficult challenges in many practical construction projects.

Obituary (Con't)

Professor Fukuoka, Past President of ISSMFE (1977-1981)

On the subject of research, Prof. Fukuoka's interest was focused on the earth pressures behind various kinds of large scale retaining structures. Near the end of his professional career, he published three books in Japanese entitled "Solve Miracle of Earth Pressure", Vol. 1, 2 and 3. The books summarize outcome of several large prototype measurements of earth pressure that he had been involved in the construction projects. In the early period of his career, he was involved in the investigation regarding causes of a mountain landslide in Nagano Prefecture and Kamenose landslide in Nara Prefecture. Artificially induced landslide in Kawasaki, Kanagawa Prefecture, where several people became victims, did provoke Prof. Fukuoka's keen interest in the rapid nature of soils movements. He performed several large-scale model tests to clarify influence of rapid movement of soils.

Soil reinforcement was another subject area of his interest particularly in the later period of his career. He played a key role in founding the Japan Society of Geosynthetics and acted as the first president of the Japan Society.

In the year 2000, his wife had a stroke. Prof. Fukuoka took care of her for 5 years until she passed away. Throughout his career, he resided frugally in an old house near the ex-PWRI office located in the south bank of Ara River in Tokyo.

Professor Fukuoka was a truly great man blessed with intellectual talent and untiring physical strength and durability. He used all of these transcendental abilities for the advancement of soil mechanics and geotechnical engineering not only technically but also more humanly in the arena of our profession. This man of huge energy and lasting self-dedicated service will be remembered and missed among us forever.

His departure was solemnly seen off in attendance of his two sons and three daughters. He left eight grandchildren and seven great-grandchildren.

Kenji Ishihara

Event Diary

ISSMGE EVENTS

Please refer to the specific conference website for full details and latest information.

2017

International Conference on Advances in structural and geotechnical engineering ICASGE17

Date: 27 - 30 March 2017

Location: Titanic Palace Resort, Egypt , Hurghada

Language: English

Organiser: Structural Engineering Department, Tanta University, Supported by Egyptian Geotechnical Society

Contact person: Professor Marawan Shahien

Address: Faculty of Engineering,31733,Tanta,Gharbeia Governorate, Egypt

Phone: +201005117064

Email: marawan.shahin@f-eng.tanta.edu.eg

Website: <http://www.icasge.com> (select 2017)

9th International Symposium on Geotechnical Aspects of Underground Construction in Soft Ground, IS - São Paulo 2017

Date: Tuesday 04 April 2017 - Thursday 06 April 2017

Location: Centro de Convenções Rebouças, São Paulo, SP, Brazil

Language: English

Organizer: Brazilian Association for Soil Mechanics and Geotechnical Engineering (ABMS) and the Brazilian Tunnelling Committee (CBT)

Contact person: MCI São Paulo

Address: Rua George Ohm, 230 - Torre A, 19º Andar, 04576-020, São Paulo, SP, Brazil

Phone: 55 11 3056-6000

Fax: 55 11 3056-6000

E-mail: atendimento@mci-group.com

Website: <http://www.is-saopaulo.com>

3rd Bolivian International Conference on Deep Foundations, Santa Cruz de la Sierra, Bolivia

Date: 27-29 April 2017

Location: Universidad Privada de Santa Cruz de la Sierra

Language: English

Organiser: INCOTEC SA, ISSMGE TC 212, the Society of Engineers of Bolivia, the Bolivian Society of Soil Mechanics and Geotechnical Engineering

Contact person: Eng. Fabiana Viscarra

Address: 5to. Anillo entre Av. Cristo Redentor y radial 27

Phone: +591 3 3429522

Fax: +591 - 3 3429525

Email: fabiana.viscarra@incotec.cc

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

Event Diary (Con't)

Transportation Geotechnics and Geoecology

Date: 17 - 19 May 2017

Location: Emperor Alexander I Petersburg State Transport University, St Petersburg, Russia

Contact person: Anastasia Konon

Address: 9, Moskovskiy st., St. Petersburg, Russia

Phone: +7 (921) 795-58-57

Email: geotech@pgups.ru

Website: <http://conf-geotech.wixsite.com/tgg-2017>

1st JTC1 Workshop on Advances in Landslide Understanding

Date: 24 - 26 May 2017,

Location: Campus Nord. Universitat Politecnica de Catalunya., Barcelona, Spain

Contact person: Núria M. Pinyol

Address: Campus Nord, Building D2, Office 101b

Phone: 0034 93 401 18 20

Email: nuria.pinyol@upc.edu

Website: <http://congress.cimne.com/jtc1>

9^{ème} édition des JOURNEES AFRICAINES DE LA GEOTECHNIQUE

Date: 26 - 29 June 2017

Location: Radisson Blu Hotel 2Fevrier, Togo , Lomé , Togo

Contact person: Prof E.M. KANA

Address: 5, rue Monseigneur Graffin

Phone: +237 699500510

Email: info@ctgaafrique.org; 9jag_infos@gmail.com ; lnbtp@lnbtp.com

BCRRA 2017 - Tenth International Conference on the Bearing Capacity of Roads, Railways and Airfields.

Date: Wednesday 28 June 2017 - Friday 30 June 2017

Location: ATHENS, Greece

Language: English

Local Organizer: National Technical University of Athens (NTUA)

Contact person: Prof. Andreas Loizos

Address: 5, Iroon Polytechniou str.,15773, ATHENS, Greece

Phone: + 30 210 7721279

Fax: + 30 210 7724254

E-mail: aloizos@central.ntua.gr

Website: <http://www.bcrra2017.com/>

2nd International Symposium on Coastal and Offshore Geotechnics (ISCOG 2017) & 2nd International Conference on Geo-Energy and Geo-Environment (GeGe2017)

Date: 5-7 July 2017

Location: Zhejiang University, China

Contact person: Yi Hong

Address: 866 Yuhangtang Road, Hangzhou, Zhejiang Province, China

Phone: +86 13758906685

Email: yi_hong@zju.edu.cn

Event Diary (Con't)

GeoMEast 2017

Date: Saturday 15 July 2017 - Wednesday 19 July 2017

Location: Sharm El-Sheikh, Egypt

Language: English

Organizer: The Egyptian Housing and Building Research Center (HBRC) in cooperation with the Soil-Structure Interaction Group in Egypt (SSIGE)

Contact person: Hany Farouk Shehata

Address: Tower C, Maamora Towers, 7th District, Nasr City, 11727 ,Cairo, Egypt

Phone: +201110666775

E-mail: hanyfarouk808@gmail.com

Website: <http://www.geomeast2017.org/>

PBD-III Vancouver 2017 - The 3rd International Conference on Performance Based Design in Earthquake Geotechnical Engineering

Date: Sunday 16 July 2017 - Wednesday 19 July 2017

Location: Westin Bayshore Hotel (<http://www.westinbayshore.com/>) Vancouver, British Columbia, Canada

Language: English

Organizer: TC203 (Earthquakes)

Website: <http://pbdiivancouver.com/>

2nd International Symposium on Coupled Phenomena in Environmental Geotechnics (CPEG2)

Date: Wednesday 06 September 2017 - Friday 08 September 2017

Location: Faculty of Engineering, University of Leeds, Leeds, W. Yorks, United Kingdom

Language: English

Organizer: CPD, Conference & Events Unit, Faculty of Engineering, University of Leeds, LEEDS, LS2 9JT, UK

Contact person: CPD, Conference & Events Unit

Address: Faculty of Engineering, University of Leeds, LS2 9JT, Leeds, W.Yorks, United Kingdom

Phone: +44 (0)113 343 2494 / 8104

E-mail: CPEG2@leeds.ac.uk

Website: <http://tinyurl.com/cpeg2017>

ICSMGE 2017 - 19th International Conference on Soil Mechanics and Geotechnical Engineering, Seoul

Date: Sunday 17 September 2017 - Thursday 21 September 2017

Location: Coex Convention Center, Seoul, Korea

Language: English and French

Organizer: Organising Committee of ICSMGE 2017

Contact person: Ms. Soi LEE

Address: 4F, SUNGJI Building, 192, Bangbae-ro, Seocho-gu, 137-835, Seoul, Republic of Korea

Phone: +82-2-6288-6347

Fax: +82-2-6288-6399

E-mail: secretariat@icsmge2017.org

Website: <http://www.icsmge2017.org>

2nd International Conference "Challenges in Geotechnical Engineering" 2017

Date: 20-23 November 2017

Location: Kyiv National University of Construction and Architecture (KNUCA), Ukraine , Kyiv

Contact person: Prof. Igor Boyko

Address: 31, Povitroflotsky Avenue

Phone: +38(097) 717-5170

Fax: +38(044) 245-4124

Email: info@cgeconf.com

Website: <http://www.cgeconf.com/en>

Event Diary (Con't)

2nd International Symposium on Asia Urban GeoEngineering

Date: 24-27 November 2017

Location: Hunan University, Changsha, China

Contact person: Dr. Xin Tan

Address: College of Civil Engineering, Hunan University

Phone: +86-731-88821342

Email: urban_geoeng@163.com

Website: <http://www.isaug2017.org/>

2018

4th International Symposium on Cone Penetration Testing (CPT'18)

Date: Thursday 21 June 2018 - Friday 22 June 2018

Location: Delft University of Technology (TUD), Delft, Netherlands

Language: English

Organizer: Delft University of Technology (endorsed by TC102)

Contact person: Prof. Michael Hicks, Dr. Federico Pisanò and Ir. Joek Peuchen

Address: Faculty of Civil Engineering and Geosciences, Section of Geo-Engineering, Building 23, Stevinweg 1, 2628 CN Delft, The Netherlands

Phone: +31 70 31 11299

E-mail: info@cpt18.org

Website: <http://www.cpt18.org>

9th European Conference on Numerical Methods in Geotechnical Engineering

Date: 25-27 June 2018

Location: University of Porto. Faculty of Engineering, Portugal

Contact person: Prof. António Silva Cardoso

Address: Department of Civil Engineering

Phone: 22508 1469

Fax: 22508 1446

Email: scardoso@fe.up.pt

5th GeoChina International Conference-Civil Infrastructures Confronting Severe Weathers and Climate Changes: From Failure to Sustainability

Date: 23-25 July 2018

Location: Hangzhou -China

Contact person: Dr. Dar Hao Chen

Address: 13208 Humphrey Dr

Phone: 5127056263

Email: GEOCHINA.ADM@GMAIL.COM

Website: <http://geochina2018.geoconf.org/>

The 7th International Conference on Unsaturated Soils (UNSAT2018)

Date: Friday 03 August 2018 - Sunday 05 August 2018

Location: The Hong Kong University of Science and Technology (HKUST), Hong Kong, China

Language: English

Organizer: The Hong Kong University of Science and Technology (HKUST)

Contact persons: Prof. Charles W. W. Ng (Chair), Miss Shirley Tse (Administrative Secretary) or Dr Anthony Leung (Technical Secretary)

Address: Geotechnical Centrifuge Facility, The Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, HKSAR, China

Phone: (852) 2358-0216

Fax: (852) 2243-0040

E-mail: unsat2018@ust.hk

Website: <http://www.unsat2018.org>

Event Diary (Con't)**2019****7 ICEGE 2019 - International Conference on Earthquake Geotechnical Engineering**

Date: Monday 17 June 2019 - Thursday 20 June 2019

Location: Rome, Italy

Language: English

Organizer: TC203 and AGI (Italian Geotechnical Society)

Contact person: Susanna Antonielli

Address: AGI - Viale dell' Università 11, 00185, Roma, Italy

Phone: +39 06 4465569

Fax: +39 06 44361035

E-mail: agi@associazionegeotecnica.it

ISDCG 2019 - 7th International Symposium on Deformation Characteristics of Geomaterials

Date: Wednesday 26 June 2019 - Friday 28 June 2019

Location: Technology and Innovation Centre (TIC) of the University of Strathclyde, Scotland, UK,

Language: English

Organizer: TC101

Website: *in construction*

ECSMGE 2019 - XVII European Conference on Soil Mechanics and Geotechnical Engineering

Date: Sunday 01 September 2019 - Friday 06 September 2019

Location: Harpa Conference Centre Reykjavik, Iceland

Language: English

Organizer: The Icelandic Geotechnical Society

Contact person: Haraldur Sigursteinsson

Address: Vegagerdin, Borgartún 7, IS-109, Reykjavik, Iceland

Phone: +354 522 1236

E-mail: has@road.is

Website: <http://www.ecsmge-2019.com>

XVI Asian Regional Conference on Soil Mechanics and Geotechnical Engineering

Date: Monday 21 October 2019 - Friday 25 October 2019

Location: Taipei, China

XVI Panamerican Conference on Soil Mechanics and Geotechnical Engineering

Date: Monday 18 November 2019 - Friday 22 November 2019

Location: Cancun, Quintana Roo, Mexico

Organizer: SMIG

Phone: +(52) 1 55 5677-3730, +(52) 1 55 5679 3676

E-mail: support@panamerican2019mexico.com

Website: <http://panamerican2019mexico.com>

2020**Nordic Geotechnical Meeting**

Date: 27-29 May 2010

Location: Finlandia Hall, Finland, Helsinki

Contact person: Prof. Leena Korkiala-Tanttu

Address: SGY-Finnish Geotechnical Society,

Phone: +358-(0)50 312 4775

Email: leena.korkiala-tanttu@aalto.fi

Event Diary (Con't)**NON-ISSMGE SPONSORED EVENTS****IPA Seminar on Press-in Technology in Singapore**

Date: 02-03 March 2017

Location: 9 Kent Ridge Drive, Singapore 119241, Singapore

Contact person: He hongjuan

Address: 9F, Konan YK Bldg, 2-4-12 Konan

Phone: +81-(0)3-5461-1191

Fax: +81-(0)3-5641-1192

Email: tokyo@press-in.org

Website: <http://www.press-in.org/en>

DFI-PFSF 2017 Conference: Piled Foundations & Ground Improvement Technology For the Modern Building and Infrastructure Sector

Date: 20-22 March 2017

Location: Melbourne Exhibition Centre, South Wharf Melbourne, Australia

Contact person: Theresa Engler

Address: 326 Lafayette Avenue

Phone: 9734234030

Fax: 9734234031

Email: tengler@dfi.org

Website: <http://www.dfi.org/pfsf2017>

3rd International Conference on Advances in Civil Engineering: " Challenges and Recent Advances in Geotechnical Engineering"

Date: 28-29 April 2017

Location: Original Sokos Hotel Presidenti, Helsinki, Finland

Contact person: Evren Tekeli

Address: Buyukdere Cad., Ecza Sok., Pol Centre, 4/1, Levent

Phone: +90 536 657 03 01

Email: Evren@monreturizm.com

Website: <http://icnaceconference.com/>

The 3rd International Symposium on Transportation Soil Engineering in Cold Regions

Date: 5 -7 July 2017

Location: Taohuayuan Hotel, China, Guide City

Language: English

Organiser: Qinghai Research Institute of Transportation, Qinghai Province, China / Beijing Jiaotong University, Beijing, China

Contact person: Mr. Lei Zhu

Address: No. 68, Wusi Street, Chengxi District, Xining City, Qinghai Province, China, 810001, Xining City, Qinghai Province, China

Phone: +86-13997237507

Email: 494781314@qq.com

Website: <http://transoilcold2017.applinzi.com/index.php>

Event Diary (Con't)

5th International Grouting Conference - Grouting 2017; Grouting, Deep Mixing, and Diaphragm Walls

Date: 09-12 July 2017

Location: Honolulu, Hawaii, USA

Contact person: Helen Cook

Address: 1801 Alexander Bell Dr.

Phone: 1-703-295-6313

Fax: 1-703-295-6313

Email: hcook@asce.org

Website: <http://www.groutingconference.org>

1st International Intelligent Construction Group Conference (IICTG 2017)

Date: 26-28 September 2017

Location: Minneapolis, Minnesota, USA

Contact person: Patte Hahn

Email: hahn@egr.msu.edu

Website : <http://www.iictg.org/2017-conference/>

4th International Conference on Long-Term Behaviour and Environmentally Friendly Rehabilitation Technologies of Dams

Date: 17-19 October 2017

Location: International Conference Centre, Tehran, Iran

Contact person: Nima Tavakoli

Address: No.1, Shahrzad St., Kargozar St., Zafar Ave., Tehran - I.R. Iran

Phone: +98(21)2222 5756

Fax: +98(21)2225 7338

Email: info@ltbd2017.ir

Website: <http://www.ltbd2017.ir/en/>

The 15th International Conference of International Association for Computer Methods and Advances in Geomechanics

Dates: 19- 23 October 2017

Location: Hongshan Hotel, Wuhan, Hubei Province, China

Language: English

Organiser: State Key Laboratory of Geomechanics and Geotechnical Engineering, Institute of Rock and Soil Mechanics, Chinese Academy of Sciences; State Key Laboratory of Hydroscience and Engineering, Tsinghua University; Chinese Society for Rock Mechanics and Engineer

Contact person: Hang Ruan

Address: Institute of Soil and Rock Mechanics, Chinese Academy of Sciences, Xiaohongshan2#, Wuchang District, Wuhan, P. R. China, 430071

Phone: 86-27-87198413

Fax: 86-27-87198413

Email: ruanhang307@gmail.com

Website: <http://www.15iacmag.org>

DFI 42nd Annual Conference on Deep Foundations

Date: 24-27 October 2017

Location: New Orleans Marriott, United States

Contact person: Theresa Engler

Address: 326 Lafayette Avenue

Phone: 9734234030

Fax: 9734234031

Email: tengler@dfi.org

Website: <http://www.deepfoundations2017.org>

Event Diary (Con't)

2018

11th International Conference on Geosynthetics

Date: 16-21 September 2018

Location: Coex, Seoul, Korea

Contact person: 11ICG Secretariat

Address: Haeoreum B/D (1F), 16 Yeoksam-ro 17-gil, Gangnam-gu

Phone: +82-2-566-6031

Fax: +82-2-566-6087

Email: secretariat@11icg-seoul.org

Website: <http://www.11icg-seoul.org/>

FOR FURTHER DETAILS, PLEASE REFER TO THE WEBSITE OF THE SPECIFIC CONFERENCE

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Istanbul, 34794
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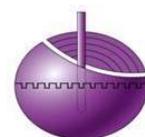
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