SIMSG ISSMGE

ISSMGE Bulletin

Volume 15, Issue 4
Aug 2021

International Society for Soil Mechanics and Geotechnical Engineering
If the quality of the distributed file is not satisfactory for you, please access the ISSMGE website and download an electronic version.
www.issmge.org

TABLE OF CONTENTS

Select all items below

1 ISSMGE Time Capsule Project
3 Major projects
5 Conference reports
- 2nd International Conference on Geotechnical Engineering Iraq (2ICGE-Iraq2021)
- The Belt & Road Webinar Series in Geotechnics, Energy and Environment
- International Foundations Congress and Equipment EXPO (IFECE)

15 How news
16 Event Diary
24 Corporate Associates
27 Foundation Donors

EDITORIAL BOARD

al-Damluji, Omar (Editor for Asia)
Bouassida, Mounir (Editor for Africa)
Cazzuffi, Daniele (Editor for Europe)
Chang, Der-Wen (Editor for Asia)
Davis, Heather (Editor for Africa)
Gonzalez, Marcelo (Editor for South America)
Jefferis, Stephan (Editor for Europe)
Leung, Anthony Kwan (Editor-in-Chief)
Ng, Charles Wang Wai (Ex-officio)
Rujikiatkamjorn, Cholachat (Editor for Australasia)
Sanchez, Marcelo (Editor for North America)
Siemens, Greg (Editor for North America)
Taylor, Neil (Ex-officio)
Baser, Tugce (Editor for YMPG)

ISSMGE Time Capsule Project

News: TCP Blogs

We don't need no education

As a student, I loathed exams, but perhaps not for the reasons others do. I took studying seriously and tried to cover all content presented. I then found it frustrating that only a fraction was examined. After graduating, I vowed to avoid exams to justify my competence. Thankfully, my career path has avoided any more exams: although I now regularly set them!

If my career path had taken me into an engineering design firm, I probably would have faced a pop quiz during my interview. For example, one US engineering firm has administering the same quiz for 30-years. While initially candidates would get most questions correct, today they find candidates struggle to get half-correct.

When I first heard this statistic, I was deeply troubled. In the last decades, universities have put considerable effort into developing teaching practices. Where has all this effort gone? Has the formalisation of curricula and expected outcomes, resulted in students focusing on short-term goals (i.e., exams) to the detriment of long-term learning?

Assuming this statistic not to be an outlier, is it really that bad? I guess it would be bad, if we see an increasing number of failures in the coming decades. But perhaps this statistic reflects a change in teaching focus from technical acumen. The pop quiz resulting in the statistic in question, was primarily on technical aspects. Modern teaching practices have shifted to building soft skills in line with current shift towards "environmental, social and corporate governance" issues surrounding infrastructure development.

Message from the member society

R&D Collaboration Forum on "Slope Design in Hong Kong", by the Hong Kong Geotechnical Society

Another concern, is perhaps that civil engineering (and subsequently geotechnical engineering) is no longer seen as attractive. The university I am part of is struggling to attract students. Should this be attributed to the cyclical nature of the construction industry or are there other issues of concern. A perception of being luddites, coupled with corruption and anti-competitive behaviour, does not give the civil engineering industry a good image.

So, is our university education system failing industry? Are we on the right path or should we turn back our practices 30-years? Or perhaps industry is not portraying an attractive image of civil engineering? I challenge you to reflect on these questions and fill in the following 5-minute pop quiz.

About the blog's author:

Charles John MacRobert is a Senior Lecturer at Stellenbosch University. He enjoys teaching geotechnical engineering to undergraduate and postgraduate students. Understanding the science of slope stability and the art of decision making gets him excited. His family, woodwork and gardening keep him busy the rest of the time.

Major projects

Rock-Filled Concrete (RFC) Arch Dam: Innovation leads to growing use of RFC in arch dams

Embankment dams are normally made of local materials. Profs Feng JIN and Xuehui AN at Tsinghua University, China invented a new type of concrete dam, namely rock-filled concrete (RFC) dam, which makes use of local rocks obtained from mountainous areas. Formed by pouring self-compacting concrete into assembly of large rocks, the RFC is featured as a sustainable and environmentally friendly technology with considerable reduced consumption of cement. It is different from conventional concrete dam, as RFC does not require cooling pipes for temperature control measures and eliminates the needs of vibration or roller compaction during concrete placement. These features make the RFC promising for broad applications in the construction of dams and other relevant civil infrastructure. The technology has gained significant attention among the engineering community in China and other regions, RFC technology is recognized as an innovative dam construction technique by the International Commission on Large Dams (ICOLD) who has a bulletin on this topic to be issued soon. To date, more than 100 RFC dams have been constructed or are under construction in China. Internally, several RFC dam projects are about to start in other countries including Pakistan and Burundi. Using rock-filled concrete for railway foundation backfill has also been recently studied by Turkish engineers.

(a) (b)

Figure 1. Notable examples of completed RFC arch dams; (a) Lyutang RFC arch dam in Guizhou Province; (b) Baijia RFC double curvature arch dam in Shaanxi Province

Although arch dams have many salient features such as concrete-saving, cost-efficient and with excellent resistance to earthquake loading, compulsory primary cooling, secondary cooling and arch closure grouting make the construction process fairly complicated. There also exists many key challenges for the design of conventional arch dams. For example, it is difficult to maintain the construction efficiency of RFC, while probably minimising the effects of transverse joints as well as closure grouting. Supported by extensive fundamental research, Prof. Feng JIN's research group has made a breakthrough on the theoretical analysis of stress and temperature, structural detailing and construction techniques that have successfully tackled various engineering issues. These successes have constituted the innovative design and construction approach for an integral RFC arch dam.

Several signature completed RFC integral arch dam projects are shown in Fig. 1, while the RFC arch dams currently under construction are given in Fig. 2, including the Fengguang dam project (dam height, H=48.5m), Goujiang dam project (H=41m), Xiaoyuanli dam project (H=46.6m) and Longdongwan dam project (H=48m). More than 10 projects have been completed to successfully design and construct RFC arch dams, making the innovative RGC technology promising for broad applications in other earth structures such as arched retaining wall and anti-slide piles.

Major projects (Con't)

Rock-Filled Concrete (RFC) Arch Dam: Innovation leads to growing use of RFC in arch dams

Figure 2. Some examples of RFC arch dams during construction

Conference reports

2nd International Conference on Geotechnical Engineering Iraq (2ICGE-Iraq 2021)

The Second International Conference on Geotechnical Engineering-Iraq (2ICGE-Iraq 2021) finished its work successfully in Akre Technical Institute at Akre, Duhok, Iraq. The conference provided an excellent opportunity to share the latest development in geotechnical engineering in particular discussing the challenges, opportunities and problems of geotechnical engineering. The 2ICGE-Iraq was organized by the Iraqi Scientific Society of Soil Mechanics and Foundation Engineering (ISSSMFE) in cooperation with Akre Technical Institute (ATI)/Duhok Polytechnic University (DPU), College of Engineering/University of Baghdad, and Civil Engineering Department/University of Technology. The 2ICGE-Iraq themes included, but were not limited to the following research and development areas/fields:

1) Geotechnical Engineering
2) Soil-Structure Interaction
3) Structural Dynamics and Earthquakes
4) Geoenvironmental Engineering and Sustainability
5) Transportation Geotechnique and Materials
6) Construction Management
7) Remote Sensing and Surveying Engineering
8) Environmental Engineering
9) Architectural Engineering
10) Water Resources Engineering

The 2ICGE-Iraq 2021 was considered as a forum to bring together worldwide scientists, academics, researchers, government officials, and construction industry professionals to discuss innovative ideas and diverse topics on the next generation of sustainable applications in civil engineering and especially in geotechnical and environmental engineering. 2ICGE-Iraq 2021 received 204 research manuscripts, where 174 of these manuscripts were accepted while other 30 of manuscripts were rejected. The papers submitted to the conference were received from Iraq, Iran, Kazakhstan, Russia, USA, India, Turkey, Oman, Jordan, England, Taiwan, China, South Korea and Nigeria. The accepted papers will be handled by three publishers, Scopus indexed journals: Springer, Scientific.net, and IOP Conference Series. More than 400 participants attended the conference in the opening ceremony and plenary session. Hundreds of attendees, paper presenters, keynote speakers, exhibitors and tutorial participants, students have benefited them in many ways from this conference. More than 176 scientific papers were presented by authors by oral presentations and posters from several countries. Six invited keynote speakers and five special lecture speakers from different countries addressed the audience to share knowledge and rich experience of applications of the Iraqi Scientific Society of Soil Mechanics and Foundation Engineering from their universities and companies. The 2ICGE-Iraq supported hybrid presentations: by either online presentation for overseas persons or offline presentation for locals. The offline presentation included oral and poster presentation.

Fig. 1. Opening ceremony

Conference reports

2nd International Conference on Geotechnical Engineering Iraq (2ICGE-Iraq 2021) (Con't)

The first day of the conference started with a welcoming speech and opening ceremony in the main hall at Akre Technical Institute. The representatives of Duhok Polytechnic University (Prof. Adnan Abdullazeez/President of DPU), Akre Technical Institute (Prof. Manhal Abdal/Dean of ATI), Iraqi Scientific Society of Soil Mechanics and Foundation Engineering (Prof. Mahdi Karkush/President of ISSSMFE), and International Society for Soil Mechanics and Geotechnical Engineering (Prof. Charles Wang Wai NG/President of ISSMGE), and American Institute of Civil Engineers (Prof. Jean-Louis Briaud/President of ASCE) addressed to participants short welcoming speeches and brief summary about ISSSMFE, 2ICGE-Iraq, ISSMGE, and ASCE.

Photo 2. Prof. Mahdi Karkush/President ISSSMFE (left) and Prof. Adnan Abdullazeez/President of DPU (right) delivering a speech

The president of Duhok Polytechnic University, the dean of Akre Technical Institute, the representative of Minister of Higher Education and Scientific affairs in Kurdistan region/Iraq, the president of ISSSMFE, and the vice-president of ISSSMFE were handed in shield of excellences to the organization and scientific committees, and keynote speakers. Moreover, shields of excellence were granted from ISSSMFE to the president of Duhok Polytechnic University, dean of Akre technical institute, dean of college engineering/university of Baghdad, and head of civil engineering department/university of technology. The significant authors and reviewers of 2ICGE-Iraq awarded the medal of conference with certificates. Special thanks were extended to the members of ISSSMFE, staff of Akre technical institute/Duhok polytechnic university who worked all together and extremely hard for preparing an outstanding successful conference. Tender thanks were expressed to the reception team and the master of ceremonies and voluntary students who did impressive and dedicated work.

Photo 3. Prof. Mahdi Karkush with Manhal Abdal (left) and Prof. Mohammed Fattah with Mohamed Al-Neimi (right) in the ceremony of awarding shields and certificates

Conference reports

2nd International Conference on Geotechnical Engineering Iraq (2ICGE-Iraq 2021) (Con't)

After that the conference continued with six keynote lectures:

1) Prof. Charles Wang Wai NG/President of ISSMGE (Hong Kong): Deformation Mechanisms of Piled Foundation Due to Normal Faulting: 3D Geotechnical Centrifuge and Numerical Modelling (Online).
2) Prof. Askar Zhussupbekov/President of Kazakhstan Geotechnical Society (Kazakhstan): Comparative Analysis of Static and Dynamic Pile Tests at the Site of the Astana Medical University Hospital in Nur-Sultan, Kazakhstan (Offline).
3) Prof. Harry Poulos (Australia): Foundation Design Challenges for Tall Buildings (Online).
4) Prof. Mohammed Y. Fattah (Iraq): Creep Characteristics, Long-Term Deformation and Relaxation of Stress in Clays (Offline).
5) Prof. Jean-Louis Briaud/President of ASCE (USA): Design of Deep Soil Mixing Walls Support for Excavation (Online).
6) Prof. Deepankar Choudhury (India): Solutions for Foundations of Various Structures Subjected to Earthquake Events (Online).

The organizing committee invited all participants and their guests for launch in Sipe Waterfall at Akre city, followed by a tour in the resorts of Akre city.

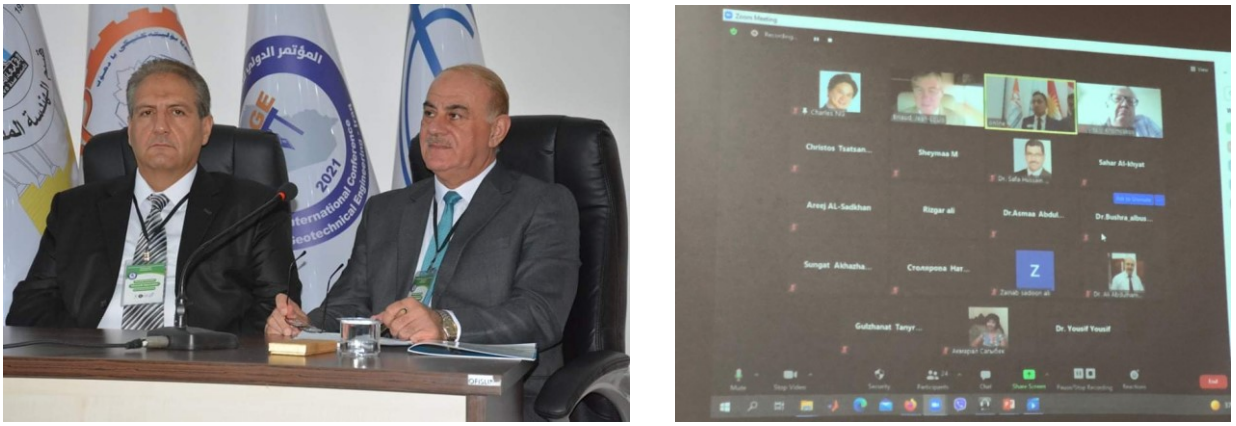

Photo 4. (left) Dr. Ahmed Najemaldeen with Prof. Suhail Kattab in the conference and (right) online conference attendee

The second day of the conference started with five special lectures given by professors from outside of Iraq (online). Prof. E. C. Shin/Vice president of ISSMGE for Asia from South Korea talked about the activities of ISSMGE during the last four years of his work as vice president for Asia and the effect of pandemic of Covid-19 on the activities organized by ISSMGE. He also presented his thanks ISSSMFE for organizing two international conferences during the pandemic of covid-19:

1) Prof. Yoshinori Iwasaki (Japan): The Authenticity and Integrity of Soil and Foundation of Bayon Temple in Angkor, Cambodia (Online).
2) Prof. Keh-Jian Shou (Taiwan): Groundwater Analysis Based on the Hydrogeological Model of Taichung Basin, Taiwan (Online).
3) Prof. Reza Imam (Iran): Bearing Capacity of Model Footing on Unsaturated Very Loose Sand (Offline).
4) Prof. Ankit Garg (China): Exploring Biochar as Stable Carbon Material for Suppressing Erosion in Green Infrastructure (Online).
5) Prof. Eun Chul Shin/Vice-President of ISSMGE for Asia (South Korea): Soft Ground Improvement for Wastewater Pipeline by Using HDCM (Online).

Conference reports

2nd International Conference on Geotechnical Engineering Iraq (2ICGE-Iraq 2021) (Con't)

After ending of the special lectures, the oral presentation of papers was divided into morning and afternoon sessions, in which 12 halls were opened. The poster presentation of papers was also accompanied for the first and second days of the conference. At the end of second day of the conference, the ISSSMFE invited all participants with their guests to launch at one of the natural scenes, Bejil waterfall at Akre city. All participants were also invited at the evening to Gala dinner in one of the famous restaurants in Erbil city/Iraq.

Photo 5. Minutes of activity of conference attendees

At, the end of conference the following recommendations are declared:

1) The role of the geotechnical engineers in the design and execution of different construction projects should be emphasized especially in the design of foundations and soil improvement and remediation. This role should not be overridden or substituted by other civil engineers, particularly when the encountered engineering problems are geotechnical ones.
2) Efforts should be dedicated to bridging the gap between the scientific research at scientific and academic institutions and the field of construction industry especially in the field of geotechnical engineering. Attention should be also paid to solve field problems faced by geotechnical engineers such as soil improvement and remediation.
3) It is recommended that ISSSMFE should play a major role in conducting of soil investigation reports and design of foundations for different types of projects, especially those requiring highly qualified people for introducing consultant works for solving problems facing geotechnical engineers in the field. The role of the ISSSMFE is therefore very important in evaluating and enriching these reports. The ISSSMFE should move toward the professional agencies and other related governmental offices to get a role in accrediting and issuing the licenses for the site investigation parties.
4) The diversity of problematic soils in Iraq encourage ISSSMFE to support the Iraqi researchers and scientist to build a comprehensive database about the distribution of such soils and their geotechnical properties to be useful in the preliminary evaluation of soil.
5) The ISSSMFE encourage the Iraqi researchers and scientist to use remote sensing and geomatic in geotechnical engineering to build thematic maps showing the variation of soil profile and geotechnical properties of soil with geographic coordinates.
6) The success of the ISSSMFE in organizing the 1st and 2nd international conferences on geotechnical engineering-Iraq, encourage ISSSMFE to organize the 3rd International conferences on Geotechnical Engineering-Iraq in 2022 with the support of ISSMGE.
7) The members of ISSSMFE hope to get more roles in the committees and activities of ISSMGE. The administration board of ISSSMFE also hope to get more support from ISSSMGE for activities organized by ISSSMFE such as next 3rd international conference on geotechnical engineering-Iraq-2022.

Conference reports

2nd International Conference on Geotechnical Engineering Iraq (2ICGE-Iraq 2021) (Con't)

The conference supported by

International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE)	American Society of Civil Engineers (ASCE)

The sponsors of conference are:

Golden Sponsor		
FOSROC: Constructive Solutions		
Silver Sponsor		
Rocscience: Geotechnical Software	Sigma International Construction L.L.C.	Andrea Engineering Tests Laboratory
Bronze Sponsor		
ALSHARQ Engineering Tests Laboratory		

Conference reports

The Belt & Road Webinar Series in Geotechnics, Energy and Environment

The Belt and Road Webinar Series on Geotechnics, Energy and Environment (BRWSG) was successfully concluded at 16:00 p.m. in Beijing time on 29th May 2021. This webinar series aimed to connect young scholars working in the research areas of geotechnics, energy and environment across countries listed in the Belt and Road Initiative (BRI). BRI is a global infrastructure project connectivity established by the People's Republic of China (PRC). One of the aims of BRI is to develop intellectual capacity as well as education and research cooperation among countries for mutual sustainable development.

Due to global COVID-19 pandemic, the organizing committee adopted a new mode of international academic exchange and held a series of webinars without any registration fees. The webinar series consisting of 25 sessions lasted for two months, i.e., 27th March to 29th May 2021. Considering the time differences between various countries and regions, 2-3 sessions were held every week.

This Webinar Series was organized by the International Society for Environmental Geotechnical Engineering (ISEG), TC305 Technical Committee of the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE), and the Chinese Subsociety for Intelligent Monitoring in Geoengineering of Chinese Society for Rock Mechanics and Engineering (CSRME). The organizing committee includes faculties from Nanjing University (Prof Hong-Hu Zhu), Shantou University (Dr Ankit Garg), Eurasian National University (Prof Askar Zhussupbekov), and Institute of Mountain Hazards and Environment, Chinese Academy of Sciences (Prof Li-Jun Su).

There were 5 keynote lectures and 20 invited lectures in the webinar series. The speakers came from 22 countries/regions, including China, Singapore, Thailand, Malaysia, Japan, Kazakhstan, Tajikistan, Kyrgyzstan, Uzbekistan, India, Kuwait, Iran, Nigeria, Ethiopia, Italy, Russia, Ukraine, the United States, Canada, New Zealand, Germany, and Hong Kong SAR (China). These presentations were categorized into three themes, i.e. geotechnics, energy and environment, with rich and diverse content and a wide range of coverage. Around 1200 delegates around the world participated in this webinar series and the invited presentations were highly appreciated. The theme covers geological disaster prevention and control, underground space development, engineering geomonitoring and early warning, infrastructure operation and maintenance, geo-environmental engineering, coastal and offshore geotechnical engineering, energy security and sustainable development, etc. Lively exchanges and discussions were carried out on research topics of common concern, which surpassed the barrier of the pandemic and helped in deepening mutual understanding and friendship.

The Opening Ceremony was held on 27th March 2021. The Chairman of ISEG, Professor Bin Shi (Nanjing University), congratulated the initiative and delivered a warm speech. Subsequently, Prof Feng Da Hsuan, Honorary President of Belt and Road Research Institute at Hainan University and former Vice-President of Research and Development at the University of Texas at Dallas, gave a keynote lecture titled "China's Millennium Transformation: The Belt And Road Initiative". He discussed the origin and goals of BRI, predicting that it will undoubtedly promote the prosperity of all countries.

The Closing Ceremony of the webinar series was held on 29th May 2021. Prof. Askar Zhussupbekov (Eurasian National University), the Past Vice-President of ISSMGE for Asia, Chair of TC305 on Geotechnical Infrastructures for Megacities and New Capitals and President of Kazakhstan Geotechnical Society , suggested enhancing further academic, cultural exchanges and mutual understanding among scholars of BRI. He sincerely thanked all the experts for their presentations and enthusiastic participants.

Prof. Shui-Long Shen, Dean of Shantou University, congratulated the organizers for the successful organization of the webinar series, which promotes international communication related to geotechnical, energy and the environment. He pointed out that the distinctive feature of this webinar series is its wide coverage and strong participation. It is unprecedented in terms of the country of the participants and the

Conference reports

The Belt & Road Webinar Series in Geotechnics, Energy and Environment (Con't)

broadness and depth of the topics. He looked forward to closer cooperation between the invited speakers and participants in the future.

Finally, Professor Hong-Hu Zhu, Chair of the organizing committee, gave a brief concluding speech. He expressed his heartfelt thanks to the organizing committee members for their hard work in the past two months. The organizers will summarize the experience of hosting the webinar series and continue to promote China's cooperation along BRI in the research areas of geotechnics, energy and environment.

Figure 1. Guest lecturers in the Seminar

Conference reports

International Foundations Congress & Equipment EXPO (IFCEE)

The 1st KGS-GI (Astana, Almaty) and the 2nd GI-KGS Geotechnical Workshops (Orlando, New York) on the geotechnical infrastructure of mega cities and new capitals have been successfully held in 2015 and 2018 years. According to the decision of the International Activity Committee of the Geo-Institute and the Kazakhstan Geotechnical Society, it has been recommended to publish the articles of American and Kazakhstani geotechnicians in the journal "Vestnik" L.N. Gumilyov Eurasian National University (ENU). The reports of Kazakhstani and American geotechnicians passed a multilevel review by leading geotechnical scientists as they were prepared in English. In 2021 L.N. Gumilyov ENU published the works of Kazakh and American scientists in the Bulletin of the ENU L.N. Gumilyov. It is important to note that there have been also included the articles of Korean and Japanese geotechnicians in the same journal, as they are members of the GI (ASCE).

In end of May 2021, Professor of the Structural and Geotechnical Engineering Department, at the Faculty of Architecture and Civil Engineering, ENU Askar Zhussupbekov participated in the International Foundations Congress & Equipment EXPO (IFCEE), which was held on May, 2021 in Dallas, USA. He participated in the ISSMGE-CAPG invited session as a discussion representative from Kazakhstan Geotechnical Society and the International Geotechnical Society (ISSMGE) as corporate member KGS, LTD of ISSMGE. The invited session was headed by Mark Wayne, P.E. (Tensar International). The reports of practical geotechnicians such as Jim Collin, P.E., PhD, The Collin Group; Sebastian Lobo-Guerrero, PhD, P.E., American Geotechnical and Environment Services, Inc.; Aly Mohammed, AECOM USA Inc.; Tim Newson, PhD, University of Western Ontario; Jennifer Nicks, PhD, P.E., Federal Highway Administration and other scientists have been listened.

Figure 1. Participants of the International IFCEE: from left to right Prof. Jean-Louis Briaud - President of ASCE, Dr.PhD Student at the Texas A&M University, Anna Shidlovskaya, PhD Student- Anna Timchenko, Texas A&M University, and Prof. Askar Zhussupbekov – President of KGS

Knowledge gaps in geotechnical engineering design and construction and the role that USA could play in influencing global practice.

There discussions were lively and interesting. Professor A. Zhussupbekov recommended to think about renaming the name of the Geo-Institute, into the name of the American Geotechnical Society, so that it would be clear to foreign geotechnicians that Geo-Institute actually means not a research institute, but an American Geotechnical Society.

Conference reports

International Foundations Congress & Equipment EXPO (IFCEE) (Con't)

Professor Askar Zhussupbekov, using the opportunity of staying at IFCEE (USA), presented the ENU Bulletin (Journal) to the President of ASCE, Professor Jean-Louis Briaud and his PhD Students Anna Shidlovskaya and Anna Timchenko (participants of the Second GI-KGS geotechnical workshop, 2018, Florida, USA).

Also, Professor Askar Zhussupbekov presented the journal "Vestnik ENU" to the representative of the USA company Giken-America Mr. Masa Nagano (sponsor of the First KGS-GI geotechnical workshop, 2015). The general manager of the Giken company, Mr. Nobu Nozaki, also published his article in this journal of the L.N. Gumilyov ENU. On the way back from Dallas to Nur-Sultan, Professor A. Zhussupbekov visited Columbia University in New York, where he met with the co-chairs of the Second GI-KGS workshop, Professor of Columbia University Hoe Ling and Professor of the University of Delaware Victor Kaliakin. They also received the journal "Vestnik of L.N. Gumilyov ENU" with their articles in it. Also, the journal "Vestnik of ENU" was given to the author of the article, Columbia University's centrifuge laboratory manager Ph.Dr. Liming Li.

Figure 3. Ceremony of presentation of the journal "Vestnik ENU": from left to right Ph.Dr. Liming Li(Columbia University), Prof. Askar Zhussupbekov (ENU), Prof. Victor Kaliakin (University of Delaware), Prof. Hoe Ling(Columbia University)

Professor Askar Zhussupbekov agreed with Professor Hoe Ling, a program of internships for PhD Students of "Structural and Geotechnical Engineering" of ENU in Columbia University. Also Professor A. Zhussupbekov spoke about the possibility of holding in ENU the online platform of lectures for PhD Students and undergraduates from ENU in the autumn and spring semesters of the 2021/2022 academic year. Professor Hoe Ling organized a technical tour to Burmister's laboratory, where his PhD Student Hwang Jung Geun from South Korea demonstrated model tests of pile foundations of a high-rise building in the difficult soil conditions of San Francisco (USA) in a centrifuge at Columbia University.

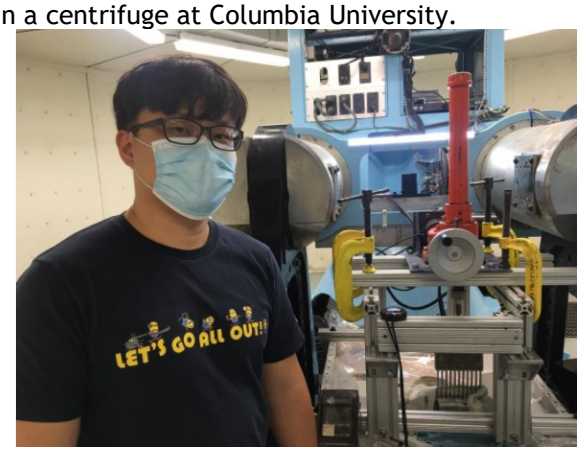

Figure 4. Demonstration of model tests of pile foundations by PhD Student Hwang Jung Geun (Columbia University)

Conference reports

International Foundations Congress & Equipment EXPO (IFCEE) (Con't)

It should be especially noted that in the United States, the educational and scientific process at universities is constantly being established, and the Geo-Institute is trying to hold geotechnical congresses and conferences offline. In particular, the number of participants in the IFCEE Congress in Dallas exceeded 1500 participants. During the congress, an exhibition of advanced piling equipment and geotechnical instruments for soil exploration was held in parallel.

It should be especially noted that while participating in the IFCEE Geocongress in Dallas, Professor Askar Zhussupbekov visited the University of Texas at Dallas Nano-Institute headed by Professor Anvar Zakhidov, who demonstrated the laboratory facilities of his research institute.

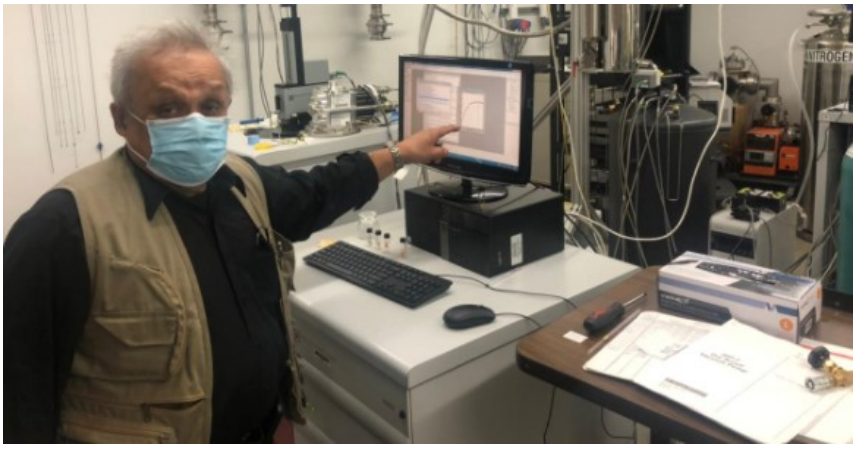

Figure 5. Demonstration of laboratory facilities by Prof. Anvar Zakhidov at the University of Texas, Dallas

Also, Professor Zhussupbekov had the opportunity to meet Professor Pirkul Hasan (Dean of School of Management) and Professor Da Hsuan Feng (Honorary Vice Rector for Research, University of Texas, Dallas), with whom he discussed the possibility of cooperation in the field of joint scientific research and training of doctoral students on the basis of their university, as well as the possibility of delivering online lectures for PhD Students of the L.N. Gumilyov ENU. Professor Zhussupbekov invited congress participants, scientists from Columbia University and scientists from the University of Texas, Dallas to take part in the 17th Asian Regional Geotechnical Conference, which is scheduled to be held on August 14-18, 2023 in Nur-Sultan, Kazakhstan.

Figure 6. Invitation to the 17th Asian Regional Geotechnical Conference (from August 14-18, 2023, Nur-Sultan, Kazakhstan)

Hot news

Questionnaire for "*application-orientated examples of probabilistic geotechnical design*"

Dear Sir or Madam,
Dear colleagues in geotechnical engineering,

We need your help!

In the process of revising the EN 1997 (Eurocode 7), the Task Group C3 (TG-C3) 'Reliability-based methods' is currently developing a guideline for (full probabilistic) reliability-based verification of limit states based on the safety requirements of the Eurocodes. As part of this guideline, TG-C3 would like to provide **application-oriented examples of probabilistic geotechnical design**. To achieve this, we need international support - your support!

We have prepared a questionnaire in which you can give us a brief impression of your experience with the application of probabilistic methods and reliability analyses in geotechnical design and indicate possible case studies.

Your way to the questionnaire:
https://umfragen.zimt.uni-siegen.de/index.php/821865

Participation in the questionnaire is voluntary. You can also participate in the survey if you have not yet gained any experience with probabilistic design in geotechnical engineering but wish to share your opinion on that with us.

If you can provide a practical application or a case study which may be suitable for our purposes, please provide your contact details at the end of the questionnaire. We will then get back to you at a later stage. Providing your personal data is voluntary and optional, so you can also participate in the questionnaire completely anonymously. Suitable practical examples will be incorporated in the guideline, if necessary in a modified or anonymized way.

Thank you for your support!

Feel free to forward our call to interested colleagues and institutions!

If you have any questions, we will be happy to assist you. Please contact Andra Ebener, Institute of Geotechnical Engineering, University of Siegen, Germany (andra.ebener@uni-siegen.de).

Kind regards,
On behalf of the members of Task Group C3
Prof. Kerstin Lesny & M.Sc. Andra Ebener

Event Diary

ISSMGE EVENTS

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

2021

6th International Conference on Geotechnical and Geophysical Site Characterization -
Location:Budapest Congress Center, Hungary
Date: 26-09-2021 - 29-09-2021
Language: English
Organiser: Hungarian Geotechnical Society
Contact person: Tamás Huszák,
Address: Muegyetem rkp. 3.,
Email: info@isc6.org;
Website: http://isc6.org

Geoniagara - Canadian Geotechnical Society's Annual Conference
Location: Niagara Falls, ON Convention Centre, Canada ,
Date: 26-09-2021 - 29-09-2021
Organiser: Canadian Geotechnical Society
Contact person: Lisa Reny
Address: 2167 166 Street
Phone: 7788342010
Email: lisa@karma-link.ca; admin@geoniagara2021.ca
Website: https://www.geoniagara2021.ca/

Second Generation of Eurocode 7 - Improvements and Challenges
Location: Online, Netherlands
Date: 28-09-2021 - 29-09-2021
Language: English
Organiser: ISSMGE ERTC10
Contact person: Georgios Katsigiannis (Chair of ISSMGE ERTC10)
Email: georgios.katsigiannis@ekfb.com
Website: https://second-generation-of-eurocode7.nen-evenementen.nl/

Future of Geotechnics
Location: Online, United States
Date: 04-10-2021 - 05-10-2021
Language: English
Organiser: YMPG
Contact person: Lucy Wu
Email: info@futuregeo.org
Website: https://www.futureofgeo.org/

Event Diary (Con't)

The 10th International Conference on Scour and Erosion
Location: DoubleTree Washington DC – Crystal City, USA,
Date: 17-20 October 2021
Language: English
Organiser: Geotechnics of Soil Erosion Committee, ASCE Geo-Institute ; Contact person: Ming Xiao (ICSE-10 Chair); Address: Pennsylvania State University ; Phone: 010-814-865-8056 ;
Email: mxiao@engr.psu.edu;
Website: https://www.engr.psu.edu/xiao/ICSE-10%20Call%20for%20abstract.pdf

3rd International Symposium on Coupled Phenomena in Environmental Geotechnics
Location: Kyoto University, Japan
Date: 20-10-2021 – 22-10-2021
Language: English
Organiser: TC215 (Environmental Geotechnics), Japanese Geotechnical Society (JGS), and Kyoto University
Contact person: Takeshi Katsumi
Address: Yoshida-honmachi
Phone: +81-75-753-9205
Fax: +81-75-753-5116
Email: katsumi.takeshi.6v@kyoto-u.ac.jp
Website: https://cpeg2020.org
Email : cpeg2020@geotech.gee.kyoto-u.ac.jp

Asiafuge 2021 Singapore -
Location: NUS UTown Campus, Singapore ;
Dates: 18-11-2021 – 19-11-2021
Language: English
Organiser: Geotechnical Society of Singapore (GeoSS) & National University of Singapore (NUS)
Contact person: Assoc Prof Darren Chian ;
Address: National University of Singapore ;
Email: sc.chian@nus.edu.sg;
Website: https://www.asiafuge-sg.com/

XI Congreso Chileno de Geotecnia
Location: Universidad de Talca, Chile
Dates: Talca 22-11-2021 - 24-11-2021
Language: Spanish
Organiser: Chilean Geotechnical Society
Contact Information
Contact person: Macarena Tugas
Email: coordinadorasochige@gmail.com
Website: http://www.sochige.cl
Email: directorio@sochige.cl

Event Diary (Con't)

International Young Professionals Workshop on Rail-Road Infrastructure
Location: Hybrid, Sydney Australia
Dates: 26-11-2021 - 27-11-2021
Language: English
Organiser: Transport Research Centre, University of Technology Sydney
Contact person: Christine Smith
Email: christine.smith-1@uts.edu.au
Website : https://www.uts.edu.au/research/transport-research-centre

3rd International Conference on Geotechnical Engineering
Location: Cinnamon Grand, Colombo , Sri Lanka
Dates: 06-12-2021 - 07-12-2021
Language: English
Organiser: Sri Lankan Geotechnical Society
Contact person: Dr. JSM Fowze
Email: slgssecretariat@gmail.com;
Website : http://icgecolombo.org/2020/index.php

2022

2nd International Conference on Energy Geotechnics
Location: Robert Paine Scripps Forum for Science, Society and the Environment. La Jolla, CA, USA.
Date : 10-04-2022- 13-04-2022
Language: English
Organiser: John McCartney (UC San Diego, USA) and Ingrid Tomac (UC San Diego, USA),
Contact Information: ICEGT-2020 Secretariat,
Address: 9500 Gilman Dr., La Jolla CA,
Phone: +1-858-822-5212,
Fax: +1-858-822-2260,
Email: secretariat@icegt-2020.com,
Website: https://icegt-2020.eng.ucsd.edu/home

7th International Young Geotechnical Engineers Conference
Location : International Convention Centre, Sydney, Australia
Dates : 29-04-2022 – 01-05-2022
Language : English
Organiser : Australian Geomechanics Society
Contact person: ICMS Australasia
Address: Level 9, 234 George Street, Sydney NSW, 2000
Phone: (+61 2) 9254 5000
Email: info@icsmge2021.com
Website : http://icsmge2021.org/7iygec/

Event Diary (Con't)

20th International Conference on Soil Mechanics and Geotechnical Engineering
Location: International Convention Centre Sydney, Australia
Date :01-05-2022 – 05-05-2022
Language: English
Organiser: The Australian Geomechanics Society;
Contact person: ICMS Australasia;
Address: Level 9, 234 George Street Sydney NSW 200 ;
Email: emmab@icmsaust.com.au;
Website: http://www.icsmge2021.org/

5th International Symposium on Cone Penetration Testing (CPT'22)
Location: Centro Congressi CNR, Bologna, Italy
Dates: 26-06-2022 - 29-06-2022
Language: English
Organiser: Italian Geotechnical Society (AGI) and University of Bologna (endorsed by TC102)
Contact person: Susanna Antonielli (AGI), Prof. Guido Gottardi (University of Bologna)
Email: guido.gottardi2@unibo.it; agi@associazionegeotecnica.it

Geotechnical Engineering for the Preservation of Monuments and Historic Sites
Location: Naples, Italy
Date: 22-24 June 2022
Organizer: TC 301, AGI (Italian Geotechnical Society)
Contact person: Filomena de Silva
Email: secretary@tc301-napoli.org
Website: http://www.tc301-napoli.org

9th International Congress on Environmental Geotechnics
Location: Chania, Crete island, Greece,
Dates: 26-06-2022 - 29-06-2022
Language: English
Organiser: Chair: Dimitrios Zekkos, University of California at Berkeley ; zekkos@berkeley.edu
Contact person: Dr. Rallis Kourkoulis
Email: rallisko@grid-engineers.com
Website : https://www.iceg2022.org/

TC204: Geotechnical Aspects of Underground Construction In Soft Ground - TC204 Cambridge 2021
Location: University of Cambridge, United Kingdom
Date: 28-06-2021 - 30-06-2021
Language: English
Organiser: University of Cambridge
Contact person: Dr Mohammed Elshafie
Address: Laing O'Rourke Centre, Department of Engineering, Cambridge University
Phone: +44(0) 1223 332780
Email: me254@cam.ac.uk

Event Diary (Con't)

5th International Conference on New Developments in Soil Mechanics and Geotechnical Engineering
Location: Atatürk Cultural and Congress Center Near East University , Nicosia, Turkey ,
Dates: 30-06-2022 - 02-07-2022
Language: English
Organiser: Turkish Society of Soil Mechanics and Geotechnical Engineering and Near East University
Contact person: Cavit ATALAR
Address: Near East Boulevard
Phone: 05338342829
Fax: 00903922236461
Email: cavit.atalar@neu.edu.tr
Website: http://zm2020.neu.edu.tr

4th International Symposium on Frontiers in Offshore Geotechnics
Location: University of Texas, Austin, United States
Date: : 28-08-2022 – 31-08-2022
Language: English
Organizer: ISFOG 2020 Organising Committee
Contact person: Phil Watson
Address: The University of Western Australia
Phone: 0418881280
Email: phillip.watson@uwa.edu.au
Website: http://www.isfog2020.org

11th International Symposium on Field Monitoring in Geomechanics
Location: Imperial College London, United Kingdom
Dates: 04-09-2022 - 08-09-2022
Organiser: TC220
Contact person: Dr Andrew Ridley
Email: andrew.ridley@geo-observations.com

17th Danube - European Conference on Geotechnical Engineering
Location: Ramada Parc, Bucharest, Romania
Dates: 05-09-2022 - 07-09-2022
Language: English
Description
Organiser: Romanian Society for Geotechnical and Foundation Engineering
Contact person: Ernest Olinic
Address: Bvd. Lacul Tei 124
Email: srgf@utcb.ro
Website: http://www.17decge.ro

28th European Young Geotechnical Engineers Conference and Geogames
Location: National Research Moscow State University of Civil Engineering, Russia, Moscow
Date: 15-09-2022 - 17-09-2020 - 19-12-2022
Language: English
Organiser: Russian Society for Soil Mechanics, Geotechnics and Foundation Engineering
Contact person: PhD Ivan Luzin
Address: NR MSUCE, 26 Yaroslavskoye shosse
Phone: +7-495-287-4914 (2384)
Email: youngburo@gmail.com
Additional Information : https://t.me/EYGEC2020

Event Diary (Con't)

10th International Conference on Physical Modelling in Geotechnics
Location: KAIST, Daejeon, South Korea
Dates: 19-09-2022 - 23-09-2022
Language: English
Organiser: Korean Geotechnical Society (KGS)
Website: http://icpmg2022.org/
Email: secretariat@icpmg2022.org

11th International Conference on Stress Wave Theory and Design and Testing Methods for Deep Foundations
Location: De Doelen, Rotterdam, The Netherlands,
Dates: 20-09-2022 - 23-09-2022
Language: English
Organiser: Royal Netherlands Society of Engineers (KIVI)
Contact person: Angelique van Tongeren
Address: Prinsessegracht 23
Email: SW2022@kivi.nl
Website: https://www.kivi.nl/afdelingen/geotechniek/stress-wave-conference-2022

16th International Conference on Geotechnical Engineering,
Location: University of Engineering & Technology (UET) Lahore, Pakistan,
Dates: 08-12-2022 - 09-12-2022
Language: English
Organiser: Pakistan Geotechnical Engineering Society (PGES)
Contact person: Dr. Jahanzaib Israr
Address: Civil Engineering Department, University of Engineering & Technology (UET) Lahore (Main Campus), G.T. Road
Phone: 03344132808
Email: 16icge@uet.edu.pk
Website: https://16icge.uet.edu.pk/

17th Danube - European Conference on Geotechnical Engineering
Location: Ramada Parc, Bucharest, Romania
Dates: 07-06-2023 - 09-06-2022
Language: English
Description
Organiser: Romanian Society for Geotechnical and Foundation Engineering
Contact person: Ernest Olinic
Address: Bvd. Lacul Tei 124
Email: srgf@utcb.ro
Website: http://www.17decge.ro

Event Diary (Con't)

17th Asian Regional Geotechnical Engineering Conference
Location: Nur-Sultan, Kazakhstan
Dates: 14-08-2023 - 18-08-2023
Language: English
Organiser: Kazakhstan Geotechnical Society
Contact person: Ms. Bibigul Abdrakhmanova
Address: 2, Satpayev Street, Eurasian National University, Geotechnical Institute
Phone: +7-7172- 344796
Fax: +7-7172-353740
Email: milanbi@mail.ru

XVIII European Conference on Soil Mechanics and Geotechnical Engineering
Location: Lisbon, Portugal
Dates: 25-08-2024 - 30-08-2024
Language: English
Organiser: SPG
Contact person: SPG
Address: Av. BRASIL, 101
Email: spg@lnec.pt
Website: http://www.spgeotecnia.pt

NON-ISSMGE SPONSORED EVENTS

2021

Fifth World Landslide Forum
Location: Kyoto International Conference Center, Kyoto, Japan
Dates: 02-11-2021 - 06-11-2021
Organizer: International Consortium on Landslides
Contact person: Ryosuke Uzuoka
Address: Gokasho
Phone: +81-774-38-4090
Email: uzuoka.ryosuke.6z@kyoto-u.ac.jp
Website: http://wlf5.iplhq.org/
Email: secretariat@iclhq.org

Buchanan Lecture
Dr Philippe Jeanjean – Offshore Geotechnics: From Oil and Gas to Renewable Energy"
Location: Online - United States
Date: 12-11-2021 - 13-11-2021
Language: English
Organiser: Jean-Louis Briaud
Contact person: Blake Thurman
Address: 3135 TAMU
Phone: 9794581024
Email: blake960@tamu.edu
Website: https://briaud.engr.tamu.edu/buchananlecture/

Event Diary (Con't)

4th African Regional Conference on Geosynthetics
Location: Cairo, Egypt
Dates: 21-02-2022 - 24-02-2022
Language: English
Organiser: International Geosynthetics Society- Egypt Chapter
Contact person: Prof. Fatma Baligh
Address: 87 El-Tahrir St., Dokki, Giza, Egypt
Email: Secretariat@geoafrica2021.org; info@geoafrica2021.org
Website https://geoafrica2021.org/;

The Third International Conference on Environmental Geotechnology, Recycled Waste Materials and Sustainable Engineering
Location: Dokuz Eylul University, Izmir, Turkey,
Dates: 17-06-2021 - 19-06-2021
Organiser: Dokuz Eylul University
Contact person: Tugce Ozdamar Kul
Address: Dokuz Eylul University
Phone: +905325164800
Email: egrwse2020@gmail.com
Website: http://www.egrwse2020.com

16th International Conference of the International Association for Computer Methods and Advances in Geomechanics - IACMAG
Location: Politecnico di Torino Conference Centre, Italy
Dates: 01-08-2022 – 02-09-2022
Language: English
Organiser: Politecnico di Torino
Contact person: Symposium srl
Address: via Gozzano 14
Phone: +390119211467
Email: info@symposium.it, marco.barla@polito.it

12th International Conference nn Geosynthetics
Location: Auditorium Parco della Musica, Rome, Italy
Dates: 18-09-2022 - 22-09-2022
Language: English
Organiser: Associazione Geotecnica Italiana - Italian Chapter of IGS
Contact person: Susanna Antonielli
Address: AGI-Viale dell'Università 11
Phone: +39 06 4465569
Fax: +39 06 44361035
Email: info@12icg-roma.org
Website: http://www.12icg-roma.org

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

Corporate Associates

AECOM Asia Company Ltd
8/F, Tower 2, Grand Central Plaza
138 Shatin Rural Committee Road
Shatin, NT
HONG KONG

A.P. van den Berg
IJzerweg 4
8445 PK Heerenveen
THE NETHERLANDS

Ove Arup & Partners Ltd.
13 Fitzroy Street
London W1T 4BQ
UNITED KINGDOM

AOSA
Tacuarí 1184 - (C1071AAX)
Cdad. de Buenos Aires
Argentina
http://www.aosa.com.ar

S.N. Apageo S.A.S.
ZA de Gomberville
BP 35 - 78114 MAGNY LES HAMEAUX
FRANCE

Aurecon
Level 8, 850 Collins Street
Docklands Victoria 3008
Melbourne
AUSTRALIA

Bentley Systems (UK) Limited
20 Gracechurch Street
London EC3V 0BG
www.bentley.com/en

CCCC Fourth Harbor Engineering Institute Co. Ltd.
Guangzhou Window HQ Building 368 Lijiao Rd Haizhu District Guangzhou, 510231
China
http://english.etr.cccc4.com/

Coffey Geotechnics
Level 19, Tower B,
Citadel Towers
799 Pacific Highway
Chatswood NSW 2067 Australia

Dar Al Handasah Corp
Smart Village,
Cairo-Alexandria Desert Road
Street 26, Building 10
P.O. Box: 129, Giza 12577,
Egypt

Deltares
PO Box 177
2600 AB Delft,
THE NETHERLANDS

EBP SA
info@ebpanama.com
Tel: +351 - 69053051
www.ebpanama.com

Fugro N.V.
PO Box 41
2260 AA Leidschendam
THE NETHERLANDS

GDS Instruments Sdn. Bhd.
124, Jalan Kapar 27/89, Section 27, Taman Alam Megah, 40400 Shah Alam, Selangor, Malaysia
https://www.gdsi.com.my/

Geomil Equipment BV
12/F, Asia Trade Centre, 79 Lei Muk Road, Kwai Chung, NT, Hong Kong
http://geomil.com

Geoharbour Group
Geoharbour Building, 6A, No.1228, Jiangchang Rd.,Jing'an District, Shanghai, 200434, P.R.China.
Tel: +86 21 3126 1263
Fax: +86 21 2301 0238
Web: www.geoharbour.com

Golder Associates Inc
1000, 940-6th Avenue S.W.
Calgary, Alberta
CANADA T2P 3T1

Corporate Associates (Con't)

Ground Investigation Ltd
Attn: Marco Holtrigter
PO Box 104-089,
Lincoln North
Auckland 0654
New Zealand

GHD Pty, Ltd.
57-63 Herbert Street
Artarmon NSW 2064
AUSTRALIA

Huesker Synthetic GmbH
Fabrikstrasse 13-15
48712 Gescher
GERMANY

International I.G.M. s.a.r.l.
P.O.Box: 166129 Achrafieh
Beirut
LEBANON

Jan de Nul N.V.
Tragel 60,
B-9308 Hofstade-Aalst
BELGIUM

Keller Ground Engineering
Level 1, 4 Burbank Place, Baulkham Hills
NSW 2153
PO Box 7974, Baulkham Hills NSW 1755
Australia

KGS Ltd,
22 Chaikovskii St,
Temirtau City,
101403 Republic of Kazakhstan
http://kgs-astana.wixsite.com/society

NAUE GmbH Co KG
Gewerbestrasse 2
32339 Espelkamp-Fiestel
GERMANY

Norwegian Geotechnical Institute
P.O. Box 3930 Ullevaal Stadion
N-0806 OSLO
NORWAY

Pagani Geotechnical Equipment
Localita Campogrande 26
29010 Calendasco (PC)
Italy
www.pagani-geotechnical.com

RCF Ltd
4C Ologun Agbeje
Victoria Island
Lagos,
Nigeria

Roscience Inc.
54 St Patrick St,
Toronto, Canada,
M5T 1V1
http://rocscience.com

Member of the Surbana Jurong Group

SMEC Australia PTY ITD
Level 6, 480 St Pauls Tce Fortitude Valley
QLD 4006
www.smec.com

Siemens Energy
Kaiserleistrasse10
63067 Offenbach
GERMANY

SOLETANCHE BACHY SA
133 boulevard National, 92500 Rueil-Malmaison,
FRANCE

SRK Consulting
Oceanic Plaza,
22nd Floor, 1066 West Hastings Street,
Vancouver, BC, Canada V6E 3X2

Teclab Ltd.
Plot 15 Mapera Road,
Nalukolongo Industrial Area
P.O Box 24934 Kampala, Uganda
www.teclabafrica.com

Corporate Associates (Con't)

TenCate Geosynthetics
9, rue Marcel Paul
B.P. 40080
95873 Bezons Cedex
FRANCE

Wagstaff Piling
56 Tattersall Road,
Kings Park,
NSW 2148
Australia

Tensar International Ltd
Cunningham Court
Shadsworth Business Park
Blackburn, BB1 2QX,
UNITED KINGDOM

Terrasol
42/52 Quai de la Rapée - CS7123075583 Paris CEDEX 12
FRANCE

Terre Armée
280, avenue Napoléon Bonaparte
92506 Rueil Malmaison Cedex
France

UTS- Transport Research Centre
Faculty of Engineering & Information Technology
University of Technology Sydney
Broadway, NSW2007, Australia

University of Wollongong, Australia
Northfields Ave,
Wollongong
NSW 2522
Australia

Foundation Donors

The Foundation of the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE) was created to provide financial help to geo-engineers throughout the world who wish to further their geo-engineering knowledge and enhance their practice through various activities which they could not otherwise afford. These activities include attending conferences, participating in continuing education events, purchasing geotechnical reference books and manuals.

- **Diamond: $50,000 and above**
  - **a.** ISSMGE-2010 http://www.issmge.org/
  - **b.** Prof. Jean-Louis and Mrs. Janet Briaud https://www.briaud.com and http://ceprofs.tamu.edu/briaud/
- **Platinum: $25,000 to $49,999**
- **Gold: $10,000 to $24,999**
  - **a.** International I-G-M http://www.i-igm.net/
  - **b.** Geo-Institute of ASCE http://content.geoinstitute.org/
  - **c.** Japanese Geotechnical Society http://www.jiban.or.jp/
  - **d.** The Chinese Institution of Soil Mechanics and Geotechnical Engineering – CCES www.geochina-cces.cn/en
  - **e.** Korean Geotechnical Society www.kgshome.or.kr
  - **f.** Comité Français de Mécanique des Sols et de Géotechnique www.cfms-sols.org
- **Silver: $1,000 to $9,999**
  - **a.** Prof. John Schmertmann
  - **b.** Deep Foundation Institute www.dfi.org
  - **c.** Yonsei University http://civil.yonsei.ac.kr

Foundation Donors (Con't)

d. CalGeo – The California Geotechnical Engineering Association
www.calgeo.org

e. Prof. Ikuo Towhata
towhata.ikuo.ikuo@gmail.com
http://geotle.t.u-tokyo.ac.jp/

f. Chinese Taipei Geotechnical Society www.tgs.org.tw

g. Prof. Zuyu Chen
http://www.iwhr.com/zswwenglish/index.htm

h. East China Architectural Design and Research Institute ECADI
http://www.ecadi.com/en/

i. TC 211 of ISSMGE for Ground Improvement
www.bbri.be/go/tc211

j. Prof. Askar Zhussupbekov www.enu.kz/en, www.kgs-astana.kz

k. TC302 of ISSMGE for Forensic Geotechnical Engineering
http://www.issmge.org/en/technical-committees/impact-on-society/163-forensic-geotechnical-engineering

l. Prof. Yoshinori Iwasaki yoshi-iw@geor.or.jpwww.geor.or.jp

Yoshi IWASAKI

m. Mr. Clyde N. Baker, Jr.

n. Prof. Hideki Ohta

o. Prof. Eun Chul Shin www.incheo@incheon.ac.kr n.ac.krecshin

Eun Chul Shin

p. Prof. Tadatsugu Tanaka

q. ARGO-E (Geoengineer.org)
http://www.argo-e.com

- **Bronze: up to $999**

a. Prof. Mehmet T. Tümay http://www.coe.lsu.edu/administration_tumay.html
mtumay@eng.lsu.edu

b. Nagadi Consultants (P) Ltd www.nagadi.co.in

c. Professor Anand J. Puppala
University of Texas Arlington
http://www.uta.edu/ce/index.php