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News from Board Member

Professor Roger Frank awarded the Sir Alcon Copisarow Medal

On 1st July 2019, at the centenary dinner of the British section of the Société des Ingénieurs et Scientifiques de France (IESF) Professor Roger Frank, Immediate Past President of the ISSMGE was awarded the Sir Alcon Copisarow Medal. The Sir Alcon Copisarow Medal is for the promotion of International collaboration, the delivery of major projects or assignments, research and the dissemination of learning and educational opportunities, together with Scientific and Engineering achievement, for the benefit of future generations. It is awarded approximately every five years.

(photograph courtesy Ray Jefferson)

Photo 1. Lady Diana Copisarow presents the Sir Alcon Copisarow Medal to Professor Roger Frank

Lady Diana Copisarow presented the medal in honour of her husband, who was the Patron of the British section of the IESF for many years, at their Centenary Anniversary Gala Dinner held in the Great Hall of the Institution of Civil Engineers, London, UK.

News from Board Member (Con't)

Professor Roger Frank awarded the Sir Alcon Copisarow Medal

The citation was given by Professor Lord Robert Mair, Patron of the IESF British Section:

"Professor Roger Frank is recognised for his outstanding contributions in the field of science and engineering, through original research, teaching, collaboration and scientific presentations all around the world. One of his most notable contributions is in leading in collaborative style the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE), comprising 89 Member Societies and around 21,000 individual members, which is recognised as providing the focal point for Member Societies in 90 countries.

Born in New York, raised in the UK, Switzerland and France (and married to his Greek wife Vassilia), Roger Frank speaks various languages which helps to facilitate the maintenance of his large international network of colleagues and friends.

(photograph courtesy Ray Jefferson)

Photo 2. Prof. Lord Robert Mair delivers his citation for Professor Roger Frank

Roger Frank studied for a degree in Civil Engineering at the École Nationale des Ponts et Chausées (ENPC) and for a Doctorate in Engineering at the Pierre et Marie Curie University, Paris (1974). He was awarded a Doctorate in Science at the same university in 1984.

He was first employed by the Laboratoire Central des Ponts et Chaussées' (LCPC), where he became Head of the Foundations Section and later the Head of the Soil Mechanics and Foundations Division in 1990. From 1992 to 2003, he was the Director of CERMES (ENPC-LCPC) and in 1997 was promoted to the rank of Professor in geotechnical engineering at ENPC. He is now Honorary Professor of Geotechnical Engineering and Emeritus Research Director at the ENPC.

In his career, Roger Frank has not only been active at ENPC but has made many contributions elsewhere. He has been a long-standing supporter and officer of ISSMGE serving as Vice-President for Europe (2005-2009), Appointed Board Member (2009-20013), President (2013-2017) and remains on the Board of ISSMGE as Immediate Past President. He chaired the Eurocode 7 committee on Geotechnical Design from 1998-2004 at a crucial stage in formalising the code. He has been a member of the Advisory Committee (Environment & Construction) for the University of Minho, Portugal and has served as an External Council Member for the National Technical University of Athens from 2013 – 2016). He was the first President of the European Civil Engineering Education and Training Association from 2009-2010. He has spent over 40 years teaching and researching in the fields of soil mechanics and geotechnical engineering. He has delivered invited lectures in 58 countries and been the author or co-author of more than 200 papers including 45 co-authored with foreign colleagues.

By his work on Eurocode 7, Roger Frank has promoted and facilitated standardisation in geotechnical engineering via agreements reached between experts from quite distinct technical cultures. Through training, conferences and presentations about Eurocode 7, he has had a direct influence in bringing about improvements in geotechnical practice in construction and civil engineering.

Roger Frank has promoted international collaboration. He collaborated for many years with the UK Building Research Establishment and with Imperial College with the aim of improving buildings and infrastructure. He has lectured overseas in many cities and countries including Prague, Budapest, Zagreb, Slovenia, South Africa, and Spain and across Canada.

News from Board Member (Con't)

Professor Roger Frank awarded the Sir Alcon Copisarow Medal

Roger Frank has received many honours and awards including the Chevalier de l'ordre national du Mérite, France (2000), Doctor Honoris Causa of the Technical University of Construction, Bucharest (2005), the UK Institution of Civil Engineers George Stephenson Medal (2008), the Széchy Károly Medal, Hungary (2011) and the Dr Beer Prize, Belgium (2013).

Professor Roger Frank has made a remarkable international contribution in the field of science and engineering, through original research, teaching, collaboration and presentations all around the world. He embodies the spirit of international collaboration and today is a world recognised ambassador for geotechnical engineering and human endeavour."

Roger Frank then gave his acceptance speech:

"My Lord, Lady Diana Copisarow, Monsieur l'Ambassadeur de France, Mr President of the British Section of IESF, Mr President of the British Geotechnical Association, Madame la Présidente du Comité Français de Mécanique des Sols, Madame la Directrice de la Recherche de l'Ecole nationale des Ponts et Chaussées, Dear Presidents, Directors, Colleagues and Friends, Chère Cocotte, Αγαπημένη Βασιλεία, Ladies and Gentlemen, Mesdames, Messieurs,

I feel most honoured to be awarded the prestigious Sir Alcon Copisarow Medal. The career of Sir Alcon Copisarow is an outstanding example of promotion of international collaboration, in particular scientific and engineering achievements for the benefit of future generations.

This award made me think more about my international activities and positions with regard to future generations, as the Chair of the Committee on Eurocode 7 for "Geotechnical Design" (from 1999 to 2004) or more recently as the President of the International Society for Soil Mechanics and Geotechnical Engineering (from 2013 to 2017).

(photograph courtesy Ray Jefferson)

Photo 3. Prof. Roger Frank delivers his acceptance speech

When thinking of future generations, we most often mention problems linked to climate change and other important environmental issues such as ensuring the biodiversity of species and spaces; we also mention the burden of financial debt; more rarely do we think of - or mention - the knowledge we leave to future generations (such as scientific and engineering knowledge) and the way we transmit this knowledge or, importantly, the way it gets lost.

I am grateful to the British Section of IESF, for recognising my small contribution to Sir Alcon Copisarow's ideals.

The British Section of IESF is a beautiful example of Franco-British friendship. Allow me to confess to you that I am a pure result (if I may say so) of Franco-British friendship. My parents met here in London during the 2nd World War. My mother, who was British (she was born in London; her father was Hungarian and her mother was French) was in the British SOE and my father, who was of Russian origin, had joined the French army and escaped from occupied France to join the Général de Gaulle in London. Where else could they meet than in the UK, during those years of chaos, fascism and intolerance? We have two heroes in our family, whatever our political orientations: Sir Winston Churchill and the Général Charles de Gaulle.

News from Board Member (Con't)

Professor Roger Frank awarded the Sir Alcon Copisarow Medal

The Franco-British friendship has survived and will undoubtedly survive all political vicissitudes on both sides of the Channel.

By the way, we are 4 brothers and sisters. My older brother, Richard and my older sister, Odile, present with us this evening, were born in London; my twin sister, Geneviève, married an Englishman. I am the only one who is not British and French at the same time; nobody is perfect!

Allow me another confidence: when I was about 5 years old, I would say 'I want to be an engineer, I want to be an engineer' with my wooden lorry banging down the stairs of our first family house at Stamford Hill, in the Borough of Hackney, London N.16.

I am grateful to my parents and siblings, represented here by my older sister Odile, to my family, to my wife Vassilia, present here with us, to my children Laura and Dimitri, not here today, my friends and colleagues all over the world, those who could come today, those who could not make it.

I am grateful to the 'Ponts et Chaussées' administration (French Bridges and Highways Administration). I can say that I immigrated to France because of and for the 'Ponts et Chaussées'. They made of me a citizen of France, a citizen of Europe and a citizen of the world. I am grateful to all for having created the conditions to help me develop a captivating international career leading to the ceremony of today.

(photograph courtesy Ray Jefferson)

Photo 4. Roger Frank with Richard Coackley, President of the IESF British Section

Thank you for your patient attention!
Merci de votre attention et de votre patience !"

Neil Taylor
ISSMGE Secretary General

Young Members Arena

On the borderline between geotechnical and earthquake engineering – a young members' partnership

About one year ago, in March 2018, the French Society for Soil Mechanics and Geotechnical Engineering (CFMS) encouraged its young members to get together and create a young members group. CFMS has assigned some initial goals for this internal working group, which were mainly focused on involving young French engineers in the geotechnical community, both nationally and internationally, so that they could gradually gain visibility and contribute with senior members.

Since the first call for volunteers this new community has shown a great potential for success. The young members were given the autonomy to decide how to manage and develop the group by themselves. The senior members, however, were active on supervising and providing meaningful advises during the first steps. Four poles of activities were created: "promotion and communication", "national and international relations", "technical and general events", and "relations with senior working groups and technical committees". A poll was used to pick a name and the majority voted for "*CFMS Jeunes*". All CFMS members under 35 years can be a part of the group and support it by proposing and organizing activities.

The results of the effort were noticeable after one year of committed work. The group is now integrated to the CFMS main web site and it has its own LinkedIn page, which is a handy tool to communicate with its almost 50 members, in addition to being accessible for non-members. Other efforts include the involvement of the young members on the process of scientific paper review and on the CFMS' senior working groups.

The most recent activity was a technical event organized in partnership with the young members of the French Association for Earthquake Engineering (AFPS *Groupe Jeunes*). This young members' association founded in 2011, is more mature and helped *CFMS Jeunes* with organizing this first event. The fruitful cooperation was made possible thanks to the active participation of members integrated to both societies. The access was free to the whole community, young and seniors. More than one hundred persons participated, 64% being young members.

The technical event entitled "*On the borderline between geotechnical and earthquake engineering*" lasted for a full day (April 3rd, 2019) and included six presentations, which were performed in the morning, given by doctorate students, researchers and young and senior engineers to tackle with the following subjects:

- Numerical modeling of seismic wave propagation in soils;
- Engineering methods for studying the risk of liquefaction under earthquake;
- The design of a contiguous retaining wall for seismic loadings;
- The design difficulties for works involving current geotechnics and seismic loads;
- The experimental study of the behavior of a group of piles under earthquake loads – centrifuge modeling;
- Semi-analytical modeling of the response of a pile under lateral cyclic loading;

As part of the event, the guests had option to choose betvisit renowned soil mechanics research laboratories (Navier Geotechnique, at Ecole des Ponts Paristech, or SRO at IFSTTAR), or the construction site where an underground metro station linking an existing line with two new ones is being built in the afternoon.

There is no doubt that this event was a very important contribution to the geotechnical society. The young members are very proud of this action and are very motivated to keep on working on organizing new activities like this first one. They are currently preparing a new event, which will be dedicated to the subject "history and geotechnics".

If you think this is an inspiring beginning, join us and help us make an even better community!

Young Members Arena (Con't)

On the borderline between geotechnical and earthquake engineering – a young members' partnership

Figure 1. Conference organized by the CFMS and AFPS young members and visit to a soil mechanics laboratory

Figure 2. Visit to an underground metro station under construction

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#cfmsjeunes
#cfms
#géotechnique

Alexandre Lopes dos Santos
CFMS young member

TC corner

First International Conference on Embankment and Dams (ICED'2020): Dam Breach Modelling and Risk Disposal

The ISSMGE Technical Committee 210 on Embankment Dams is pleased to announce the launch of an ISSMGE TC210 conference series: International Conference on Embankment Dams. We would like to invite you to join us at the inaugural event of the conference series, the First International Conference on Embankment Dams (ICED'2020): Dam Breach Modelling and Risk Disposal, to be held in June 2020 in Beijing, China.

The past few years witnessed several major dam failures: The Gongo Soco tailing dam failure on 25 January 2019 in Brazil that claimed nearly 300 people; the Mount Polley open pit copper and gold mine tailing dam failure in British Columbia, Canada on 4 August 2014, which released 10 million cubic metres of water and 4.5 million cubic metres of slurry; the Laos dam collapse on 23 July 2018 that hit both Laos and Cambodia and killed 39 people; the Jinsha River landslide dam failures in October and November 2018 in China, which endangered a series of cascade reservoirs along the Yangtze River; the Yarlung Tsangbo Grand Canyon landslide failures in October 2018, which released over 32,000 m^3/s of flood water and affected China, India and Bangladesh. In light of the occurrence of these major dam failure incidents, the theme of this inaugural TC210 conference will be "Dam Breach Modelling and Risk Disposal". Recent developments in research and practice in embankment dam safety and risk management will be presented and discussed, stimulating fruitful scientific and technical interactions among the fields of soil mechanics, engineering geology, hydrology, fluid mechanics, structural and infrastructural engineering, and social sciences.

The conference themes will include, but not limited to, the following topics:

- Case histories of failure of embankment dams and landslide dams
- Dam failure process modelling
- Soil mechanics for embankment dams
- Risk assessment & management
- Detection, diagnosis and mitigation of dam distresses
- Early warning and emergency response
- Intelligent monitoring and management of embankment dams
- Regulations and technical standards for embankment dam safety management

More information of the conference can be found at http://iced-2020.host30.voosite.com

Important dates

Deadline for submission of abstracts	31 Aug. 2019
Notification of acceptance of abstracts	15 Sept 2019
Deadline for submission of full papers	30 Nov. 2019
Notification of acceptance/revision of papers	31 Dec. 2019
Notification of final acceptance of papers	31 Jan. 2020

Abstracts of about 200 words are invited. Please submit your abstracts to the Regional Organising Committee via e-mail at iced2020@163.com.

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Conference reports

The 2nd International Workshop on Machine Learning and Big Data in Geoscience, Shanghai, China

Introduction

The 2nd International Workshop on Machine Learning and Big Data in Geoscience was organized by ISSMGE TC309, and Risk and Insurance Research Branch of China Civil Engineering Society, and held in Shanghai, China, at Tongji University between July 28 and July 30, 2019. More than 170 experts and scholars from 9 countries and regions, including the United States, Norway, France, Australia, Austria, Iran, mainland China, China Hong Kong Special Administrative Region, and Chinese Taipei, attended the workshop. The keynote and invited lectures were mainly focused on the geoscience applications of machine learning to geo-applications and new findings in this field. There was also a good lecture on how the brain works and how artificial intelligence compares to our brain. Along with the workshop lectures, a panel discussion and a TC committee meeting were also held. This report briefly discusses the contents and organization of the workshop in three sections: panel discussion session preceding the workshop, main panel discussion during the workshop, and the TC 309 committee meeting after the workshop.

For the opening ceremony of the workshop, Professor Hongwei Huang, Chairman of Risk and Insurance Research Branch of Chinese civil engineering society, and Dr. Zhongqiang Liu, Chairman of the ISSMGE TC309, explained the purpose and necessity of the workshop. Then, the vice president of Tongji University, Professor Xianglin Gu, welcomed both international and Chinese experts and scholars attending the workshop and further talked about the importance and foresight of the workshop theme (Figure 1).

Figure 1. Speakers at opening ceremony (l-r): Hongwei Huang, Zhongqiang Liu, Xianglin Gu

Pre-workshop panel discussion session, July 28th

The purpose of the session was to introduce the participants to each other and to understand the major machine learning technical concerns of the participants. The participants were asked to fill out a form with on the priorities: topics to be discussed, questions to be answered, and points to be highlighted. The collected replies were then carefully reviewed and the topics raised by the participants were categorized into four groups: 1. Data Availability; 2. Machine Learning Implementation; 3. Application of Machine Learning in Geotechnics; 4. Value and Future of Machine Learning.

The participants were then divided into four groups based on their interest, and a group leader was assigned to chair the discussion and summarize notes on the white board. Images of the meetings of different groups and the summarized notes are presented in Figures 2 and 3.

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Figure 2. Group discussions (L-R, top-bottom): Group 1, Group 2, Group 3, Group 4

At the end of the discussions, the group leaders summarized the main conclusions of the discussion for the audience:

Group 1. Data (Group 1 notes are shown in Figure 3a): The participants' views on data were focused on three main areas: data scattering, data sharing, and data quality. Regarding the data scattering, the participants believed that there was typically an insufficient volume of available specific data that can be used. Concerning data sharing, the participants remarked that there is currently an insufficient effort to share geotechnical data among the researchers and practitioners. The volume of data produced in research is high, but the sharing is not organized in a coherent manner. Thus, it was believed that a context, perhaps TC309, should be provided to explain the benefits of data sharing to the researchers. Other concern of the participants was the data quality. It was stated that the data to be made public should be reviewed in advance and checked for its relevance and quality. That is, the production of benchmark dataset should actually be targeted, which can be used safely in research projects.

Group 2. Machine Learning Implementation (Group 2 notes are shown in Figure 3b)**:** In this group, in order to be able to implement machine learning, the applications and capabilities of machine learning in the field of geotechnics were described. These include using machine learning to avoid subjective outputs to make objective decisions. The application of machine learning in the analysis of complex problems, including the cases with the heterogenic materials, as well as the analysis of nonlinear and multivariate problems, was also investigated. In this context, it was mentioned that each problem requires its own algorithm which is highly dependent on the problem scale, amount of data available, and type of outputs.

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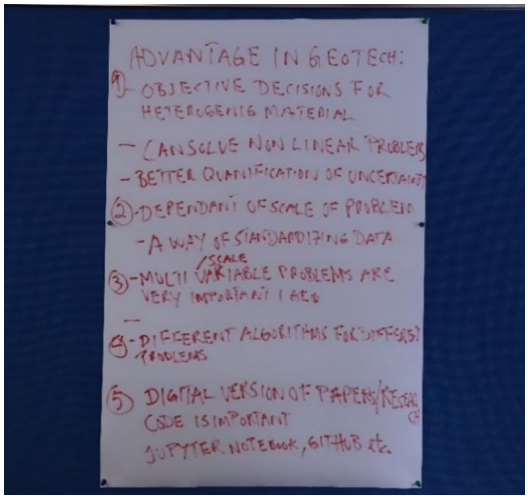
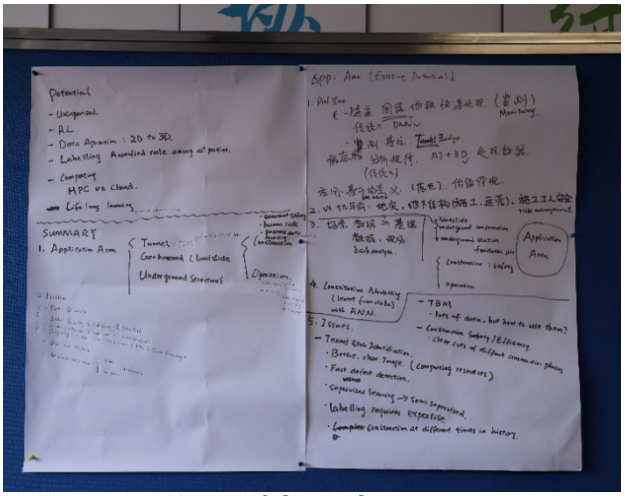
Group 3. Application of Machine Learning in Geotechnics (Group 3 notes are shown in Figure 3c)**:** Group 3 discussed various machine learning geotechnical applications including tunneling and TBM, geohazards and landslides, and underground structures. The views of participants on the use of machine learning were collected under construction and operation phases and were broadly divided into three categories: supervised, unsupervised, and semi-supervised.

Group 4. Value and Future of Machine Learning (Group 4 notes are shown in Figure 3d)**:** Many issues were raised regarding the value of machine learning in geotechnical applications. For example, machine learning, if supervised, can act as a communication tool between the inputs and outputs of the problem analyzed. However, in an unsupervised model, machine learning has the ability to model the cases that we may not even have known about before. Thus, the unsupervised learning is perhaps one of the most valuable contributions of machine learning. Group 4 also addressed the role machine learning can play with real-time data analysis and in helping to make quick and appropriate decisions. Concerning the future of machine learning, it was concluded that the machine learning process becomes closer to human learning over time, provides smarter tools and helps the user understand geotechnical phenomena more effectively.

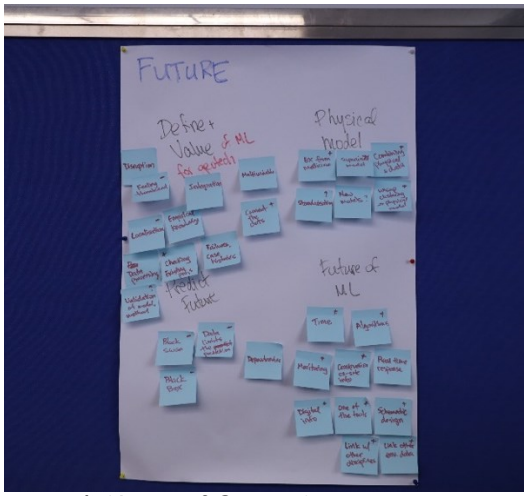
(a) Notes of Group 1



(b) Notes of Group 2



c) Notes of Group 3



(d) Notes of Group 4

Figure 3. Summarized notes of four discussion groups.

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Main panel discussion during the Workshop, July 29th and 30th

After the opening ceremony, the workshop was followed by technical lectures. A group photo of the participants of the workshop was taken and is shown in Figure 4.

Figure 4. TC309 workshop participants

On July 29th, two well-known scholars, Professor Zuyu Chen, academician of the Chinese Academy of Sciences, and Professor Suzanne Lacasse, expert adviser at the technical Norwegian Geotechnical Institute (NGI) presented two keynote lectures (Fig 5). Professor Chen talked about the application of machine learning in the analysis of TBM performance. He also discussed the issue of collecting big data from tunnel drilling system and its application in machine learning process and subsequent optimization of TBM performance. Professor Lacasse provided a relatively comprehensive presentation about the future of machine learning in geotechnical projects, and example application with data from landslides in the Tree Gorges Dam reservoir and the database of leak-off pressures to determine the stresses in the rock formation along the Norwegian coast.

Eight invited lectures focused on machine learning implementation in geotechnical systems (Fig 6). Among them, Professor Bilal M. Ayyub presented an interesting lecture on the application of machine learning in the design of infrastructure while accounting for severe climate change impact. He described how to incorporate the effects of extreme participation in the machine learning analysis process to obtain an optimal design. In the lecture "How our brain is constructed and makes us human" by Professor Xiaoqing Zhang from Tongji University School of Medicine attracted the attention of participants. At the end of Day 1, the participants had a discussion of the lectures and the issues raised by the esteemed lecturers.

Figure 5. Keynote lecture speakers on July 29th (l-r): Zuyu Chen, Suzanne Lacasse

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Figure 6. Some of the highlights on July 29th

On July 30th, the keynote lectures were presented by Professor Hongwei Huang, distinguished professor of Tongji university, and Dr. Huiming Wu, Chief Engineer of Shanghai Tunnel Engineering Co. Ltd. Professor Huang introduced the data-driven algorithms for the maintenance of urban tunnels. He further described the health monitoring system of the Shanghai metro tunnel and explained the role of machine learning interpretation implemented for the Shanghai metro tunnel. Dr. Wu presented a lecture about the big data management and control in shield tunnels and illustrated the practical application of big data in actual tunnelling projects. Among the invited presentations (Fig 8), the topic of landslide susceptibility and slope failure using a combination of machine learning and Bayesian networks, presented by Professor Liming Zhang, was much appreciated by the participants. In this presentation, in addition to the basic theory of the subject, practical examples of the proposed algorithms in Hong Kong were presented. The application of machine learning in TBM boring and tunnel drilling was also targeted by several of the invited lecturers. The workshop was concluded on Day 2 with a discussion session summarizing the topics and issues raised during the workshop and additional discussions raised by the participants.

Figure 7. Keynote lecture speakers on July 30th (l-r): Hongwei Huang, Huiming Wu

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The 2nd International Workshop on Machine Learning and Big Data in Geoscience, Shanghai, China (Con't)

Figure 8. Some of the highlights on July 30th

Post-workshop ISSMGE TC309 committee meeting

The TC309 committee meeting was held on the afternoon of July 29th (Fig 9). The participants were first given a short time to review the minutes of the ISSMGE TC309 meeting. Several issues were broached, but two topics were discussed in more detail: (1) necessity of having a TC 309 website, and (2) required activities to enhance the activities within the application of machine learning in geotechnical engineering.

(1) TC 309 Website

It was put forward by several participants that establishing an outstanding center for the application of machine learning in the geotechnical field certainly needs a stable platform for sharing data. This cannot be achieved only by sharing the available data, but it may require a public announcement to ask anyone active in the field to share codes, examples, and data. Re-upload all the data as a comprehensive package and making them fully available to the public would also be required. Besides, as a suggestion, there should be additional information attached to the database in order to make them more usable and available for further scrutiny with respect to quality and relevance. The source of data (e.g., country, location, and time) and their details of how the data were obtained should also be provided.

It was noted by the workshop committee members that data collection is not only the task of TC309 but also of other TCs. To add further details to the data, a multi-layer platform should be provided to store both data collection and supplementary information in different layers. However, no matter how accurate this job is done, benchmark data may not be enough for academic communities. A larger dataset is required to cover different fields of interest. Accordingly, quality assessment seems to be a necessity proper tool. In this regard, providing reliable dataset without having quality controlling process Is not recommended.

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An additional concern regarding the data collection was on the entities that would control the server. In fact, the capacity required to collect the data as well as high demand to download the data might be expensive and difficult to provide. The TC309 website is considered as a possibility to collect the data.

(2) Enhancing the application of machine learning
To advance in machine learning, experts from the machine learning field who can potentially help the geotechnical purposes should be contacted. For instance, people expert in algorithms can contribute to real projects if they are asked to cooperate. Another interesting suggestion was to involve more people in the education programs, online courses, and design the courses to motivate young researchers to use machine learning and ask machine learning experts to share their experience with others. TC309 will announce the coming events through various channels later on.

At the end of the meeting, a summary of the comments and suggestions of the participants was presented by the chair, Dr. Zhongqiang Liu, and the general secretary of the workshop, Dr. Dongming Zhang.

Figure 9. (l) TC309 committee meeting; (r) Closing comments by Zhongqiang Liu and Dongming Zhang.

Acknowledgements
The ISSMGE TC309 thanks all the delegates, speakers and supporting organizations (i.e. ISSMGE TC304, TC210, CAPG, YMPG, FedlGS JTC2 and NGI) for their contribution to the success of this event. A special mention to Tongji University for their exceptional organisation, volunteer systems and conduct of the three days.

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Conference reports

The International Conference on Transportation Soil Engineering in Cold Regions, Russia

The International conference "Transportation Soil Engineering in Cold Regions" (TRANSOILCOLD2019) was held in St. Petersburg, Russia, on 20th – 23rd May, 2019. The "Cold Regions" of the world cover large areas in the northern hemisphere, including Canada, Alaska, Finland, Norway, Sweden, a vast portion of China and Russia, and all the northern tier of the United States. Cold regions cover 50% of the world's total land area. The conference was organized by the Emperor Alexander I St. Petersburg State Transport University, Russian University of Transport, Siberian Transport University, Far Eastern State Transport University, Transportation Research Board, Russian Chapter of International Geosynthetics Society (RCIGS) with the support of IGS Technical Committee on Stabilization, Russian Society for Soil Mechanics, Geotechnics and Foundation (RSSMGFE) with the support of ISSMGE Technical Committee TC202 on Transportation Geotechnics, ISSMGE Technical Committee TC215 on Environmental Geotechnics, ISSMGE Technical Committee TC216 on Frost Geotechnics.

TRANSOILCOLD2019 was organized as the follow-up to TRANSOILCOLD symposiums, held in 2013 (Xining, China), 2015 (Novosibirsk, Russia) and 2017 (Gui-de, China). The themes covered at TRANSOILCOLD2019 included: permafrost dynamics in changing climate and under technogenic impact; use of geosynthetics in construction and reconstruction of transport facilities; green technologies in construction and reconstruction of transport facilities for Arctic and cold regions; design, construction and exploitation of high speed railway subgrade; geotechnical problems in permafrost regions; geotechnical modelling of transport facilities base; geotechnical problems of underground construction in complex conditions; frost heaving and thaw weakening of subgrade, ballasted subgrade and base of slab track.

The opening ceremony took place in the Assembly Hall of the university on 21 May, 2019. Doctor Andrei Petriaev, the chairman, delivered the opening address. Professor Jiankun Liu greeted the participants and wished an interesting a fruitful time at TRANSOILCOLD 2019. The conference program included presentations from nine keynote speakers who are industry experts and recognized authorities in the field of geotechnical engineering in cold regions.

- Prof. Pauli Kolisoja (Tampere University, Tampere, Finland) – "*Challenges Caused by the Combination of Increasing Traffic Loads and Climate Change*"
- Prof. Askar Zhussupbekov (L.N. Gumilyov Eurasian National University, Astana, Kazakhstan) – "*Complex analysis of pile tests on LRT construction site in Astana*"
- Acad. Yuanming Lai (Chinese Academy of Sciences, Beijing, China) – "*Experimental and numerical analyses for the frost heaving mechanism and prevention technologies of high-speed subgrades in seasonally frozen regions*"
- Prof. Guy Doré (Laval University, Quebec, Canada) – "*Thermal stabilisation of embankments built on thaw sensitive permafrost*"
- Prof. Martin Ziegler (RWTH Aachen University, Aachen, Germany) – "*Application of the artificial freezing method in geotechnical and tunnelling applications*"
- Prof. Tatsuya Ishikawa (Laboratory of Analytical Geomechanics, Div. of Field Engineering for the Environment, Faculty of Engineering, Hokkaido University, Japan) – "*Deformation-Strength Characteristics of Unsaturated Granular Base Course Material at Cold Region Pavement*"
- Prof. Xiong Zhang (Department of Civil, Architectural and Environmental Engineering, Missouri University of Science and Technology, USA) – "*Use of Wicking Geosynthetics to Mitigate Frost Action in Cold Regions*"
- Prof. Evgeny Ashpiz (Russian University of Transport (MIIT), Moscow, Russia) – "*The problems of the railway subgrade construction in the subarctic part of the Russian cryolithozone, and the ways of their solution*"
- Prof. Zhaohui Yang (University of Alaska, Anchorage, USA) – "*Damage to the transportation infrastructure during the Nov. 30 M7.1 Earthquake in Anchorage*"
- Prof. Jiankun Liu (Sun Yat-Sen University, Guangzhou, China) – "*Cooling the Permafrost Base for High Speed Railway in Tibet*"

Conference reports

The International Conference on Transportation Soil Engineering in Cold Regions, Russia (Con't)

- Prof. Igor Saharov (Saint-Petersburg State University of Architecture and Civil Engineering, Saint-Petersburg, Russian Federation) – "*Numerical Simulation of the Work of a Low-settlement Embankment on a Pile Foundation in the Process of Permafrost Soil Thawing*"
- Prof. Eun Chul Shin (Vice-President Asia, ISSMGE, Incheon National University, South Korea) – "*Frost Heaving Pressure and Stiffness of Compacted Roadbed Material by Laboratory Model Test*"

Technical sessions covered the following topics: problems of frost heave and thaw; use of geosynthetics in transport construction; structure stabilization in transportation; geoecoprotective materials, structures and technologies for transportation; soil dynamics; permafrost influence on transport facilities behavior; problems of design, construction and operation of transport infrastructure in cold regions; underground construction in cold regions.

The organizing committee of the TRANSOILCOLD 2019 received more than 200 abstracts from 16 countries. Each submitted paper went through an exacting peer review process with at least two independent reviewers. Following a thorough review, 118 full papers were selected for submission to Springer series Lecture Notes in Civil Engineering. More than 200 researchers, practitioners and students from all over the world registered to attend the conference.

Following the first day of the TRANSOILCOLD 2019 program, the bus trip round the city was held for all conference participants and their accompanying persons. The conference's Gala Dinner was held the next day in the Oak hall.

Photo 1. The audience at TRANSOILCOLD 2019 opening ceremony

Photo 2. Delegation from China at the Assembly hall

After closing ceremony the river cruise "*Rivers and canals of St.Petersburg*" allowed participants to relax and enjoy the views of St. Petersburg.

Photo 3. At the river cruise

Conference reports

The International Conference on Transportation Soil Engineering in Cold Regions, Russia (Con't)

Young Geotechnical Engineers Symposium was held on 20 May, 2019. It included keynote lectures by professors Pauli Kolisoja and Askar Zhussupbekov and 19 reports by young researchers. Pavel Kotov from Lomonosov Moscow State University was awarded for the best presentation with the reimbursement of participation cost for XVII European Conference on Soil Mechanics and Geotechnical Engineering (ECSMGE 2019), Reykjavik, Iceland.

After Symposium the participants visited «Grand Maket Rossiya» to see typical Russian sights in miniature.

Photo 4. Ms. Katharina Niggemann delivering her presentation at Young Geotechnical Engineers Symposium

Photo 5. The opening ceremony of Young Geotechnical Engineers Symposium

The conference was intended to reveal the modern state of science and industry for construction in cold regions. Worldwide cooperation of engineers working in the field of geotechnics, geosynthetics and geoecology will give sustainable support for future research.

Anastasia Konon
Conference secretary

ISSMGE Foundation reports

The 9th ECCOMAS Thematic Conference on Smart Structures and Materials (SMART 2019) was held in Paris, at the *Arts et Métiers – Ensam* (Paris Campus). SMART 2019 aimed at providing a comprehensive forum for discussing current state of the art in the field of smart structures and materials as well as at developing future ideas on a multidisciplinary level. Daily two plenary lectures were planned by academic and industry experts. The three key lectures on smart structures were given by Prof. D.J Inman (Editor-in-Chief, Journal of Intelligent Material Systems and Structures, University of Michigan, USA), Prof. C. Lynch (Editor-in-Chief, Smart Materials and Structures, Dean Bourns College of Engineering, University of California Riverside, USA) and Prof. M. Ahmadian (Editor-in-Chief Journal of Vibration and Control, Director Center for Vehicle Systems & Safety, Virginia Tech Blacksburg, USA). The conference was classified into seven general topics from which three topics *i.e.* Smart structures, Health monitoring and Engineering applications were related to Civil engineering.

I presented a gist of my PhD work on application of piezo sensors in condition monitoring of underground structures. After my presentation I had a wonderful discussion with Dr. Deraemaeker who was the session chair. He showed some of his developed sensors which can be easily embedded in concrete for condition monitoring. We discussed its future application in monitoring of rocks. I met Dr. Jing Rao, from Munich and had a wonderful discussion on using ultrasonic bulk waves for flaw characterization.

As I am at the starting stage of my research career, this conference gave me an opportunity to present my work and meet academic and industry people. This has opened new avenues for me as well. I am very thankful to ISSMGE Foundation for awarding me the necessary travel grant to attend SMART2019 conference.

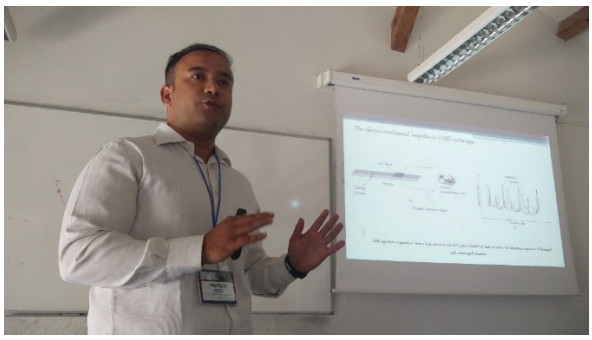


Photo 1. During presentation

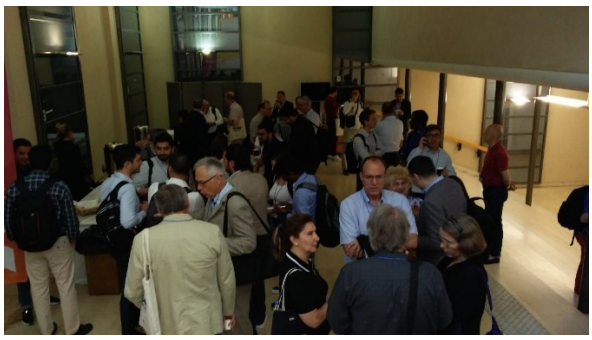


Photo 2. Interactive coffee break

Dr. Prateek Negi
Indian Institute of Technology Delhi

ISSMGE Foundation reports (Con't)

The 7th International Conference on Earthquake Geotechnical Engineering was held in Rome, Italy, from 17th to 20th June 2019. It was organized by the Italian Geotechnical Society in partnership with the Technical Committee (TC) 203. The inaugural lecture was presented by Prof George Gazetas honoring the Italian professor Michele Maugeri, and the topic was "*Seismic Performance of caisson and multi-block gravity quay walls*". Didactic as usual, Prof Gazetas presented the results of numerical simulations of past case histories and the lessons to be taken from these results.

The theme *Liquefaction* was present in at least one parallel session and plenary lecture during the course of the Conference. This highlights the current relevance and complexity of the topic. Furthermore, the topic was divided into different subtopics, covering case histories, assessment, impact, mitigation, and modeling.

Another interesting feature of the conference is the multicultural and multinational character, which makes the event a place of scientific exchange for current and future collaborations. There were around 900 participants, coming mainly from Italy, Japan, the USA, and China. From the published papers it was possible to observe the existing and past projects ran by multiple countries, ratifying the collaborative environment of the field of Geotechnical Earthquake Engineering.

The closing session was one of the most respected lectures delivered by Prof. Gazetas, Prof. Stokoe, Prof. Ishihara, and Prof. Idriss. They presented they work, while provoking the audience to reflect about the current project practices. For the next Conference, in Osaka, the TC chair will be Prof. Miro Cubrinosvki.

As a Master's student, and hopefully, future Ph.D. student, coming from a country with little research on the topic, and consequently low technical expertise, the opportunity of attending this Conference represented a turning point in my career. I came home with many ideas to implement and enhance the quality of my work.

Photo 1. Opening ceremony

Photo 2. Meeting delegates from Brazil

Luciano Souza Junior
Federal University of Rio de Janeiro

ISSMGE Foundation reports (Con't)

First of all, I would like acknowledge ISSMGE foundation for providing me this prestigious award in attending the international conference EGRWSE-2019 at University of Illinois at Chicago, USA during 16th – 20th June 2019. The conference was an eye-opener for me in learning new aspects of environmental geotechnology, sustainability and recycled waste. The conference co-ordinators urge the students and young professionals to use the opportunity which enhances our networks which also exchange ones experiences in academic and practical challenges in the real world problems.

The short courses provided by the experts in the field of geotechnical and geoenvironmental and sustainable engineering were useful for the young student researchers like me. The first keynote presentation by John Daniels from university of North Carolina, Chrollete, USA on the topic engineered water repellency for the Application in Environmental Geotechnology likewise second is on estimating municipal solid waste generation from traditional methods to artificial neural networks by Katerina Doneveska, from Republic of Macedonia. Similarly, other 10 keynote presentations were presented in different areas of geoenvironmental engineering, recycled waste and sustainability. Also there were few industrial based participants like Stat analysis Lab, Chicago, Interra Solutions, Chicago, Humbolt, California and Springer International. In addition, during the networking sessions I got a chance to discuss with Prof Jumboum Park, Seoul national university Korea and also made a collaborative work in the field problem on the topic of electrokinetic remediation. As a result, the conference was very informative and eye opener for young researcher like me. I would be very much grateful to ISSMGE foundation for providing me the financial support in making my wish true for attending the international conference.

Photo 1 Receiving best presentation award from Springer

Photo 2. Site visit to Chicago wastewater treatment plant

Vemula Anand Reddy
S V National Institute of Technology, Surat, Gujarat, India

ISSMGE Foundation reports (Con't)

The 7th ICEGE 2019 was organized by Italian Geotechnical Committee (AGI) on appointment by the ISSMGE Technical Committee (TC203). The conference was held between 17th June 2019 and 20th June 2019 at Largo Angelicum, Roma, Italy.

On first day, the program started with welcome address by Prof. Dr. Francesco Silvestri, Conference Chair, University of Napoli Federico II followed by opening speeches by Dr. Mario Manassero, Politecnico di Torino, ISSMGE Vice President-Europe, Prof. Dr. Ross W. Boulanger, TC203 Chair, University of California, Davis and the Maugeri lecture delivered by Prof. Dr. George Gazetas at Aula Magna conference hall, Largo Angelicum. After the tea break, the following keynote lectures were delivered.

- Foundation–structure systems subjected to faulting-induced deformation: numerical and physical modelling, design methods, mitigation techniques by Prof. Dr. Ioannis Anastasopoulos, Professur fur Geotechnik, ETH Zurich, Switzerland.
- Next generation reduced order models for soil-structure interaction by Prof. Dr. Domniki Asimaki, California Institute of Technology, U.S.A.
- Soil-structure interaction in changing urban areas by Dr. Jonathan A. Knappett, University of Dundee, U.K.

After the enlightening keynote lectures, the high-level ice breaking cocktail party was arranged outside the hall, which was useful for everyone to interact with the experts and researchers around the globe. After the welcome ceremony on first day, keynote lectures and special lectures were delivered by experts in the beginning and end on each day. Theme lectures were delivered separately by the researchers during the plenary sessions. Overall 267 oral presentations were given by participants after the theme lectures delivered through five parallel sessions and 237 poster presentations were given during tea break.

Overall, the 7th ICEGE conference has given me an excellent insight into not only in the field of seismic soil-structure interaction but also in the areas of ground response analysis and ground motion modelling, seismically induced landslides, disconnected piled-raft systems, shaking table tests on soil-foundation structure systems. It has also given me an opportunity to meet scientists, researchers and experts to share our research works and get suggestions. I would like to express my sincere gratitude to ISSMGE foundation for providing financial support to participate in 7th ICEGE, Roma, Italy.

Photo 1. With Prof. Dr. George Gazetas and Co-chair of my session Dr. Raffaele Di Laora

Photo 2. With Prof. Dr. Dilip Kumar Baidya (left), and Prof. Dr. R. Ayothiraman (middle)

Visuvasam Joseph Antony
Vellore Institute of Technology, India

ISSMGE Foundation reports (Con't)

The 29th ISOPE 2019 Conference was held in Honolulu, Hawaii from 16th to 21st June 2019. It was organized by the International Society of Offshore and Polar Engineering (ISOPE). The offshore geotechnics theme ran in 3 sessions (morning, noon and afternoon sessions) every day during the conference period. This highlights the current relevance and complexity of different topics and aspects of offshore geotechnics. Furthermore, the offshore geotechnics theme was divided into different subtopics, covering case histories, assessment, impact, site investigation, soil characterization, offshore foundations and numerical modeling.

Another interesting feature of the conference is the multicultural and multinational character, which makes the event a place of scientific exchange for current and future collaborations. There were around 1200 participants, coming mainly from Denmark, Japan, China, Germany, Norway, South Korea, Taiwan and USA. From the published papers it was possible to observe the existing and past projects ran by multiple countries, ratifying the collaborative environment of the field of offshore geotechnical Engineering.

As a PhD student in their last year, coming from a country with little research on the topic, and consequently low technical expertise, the opportunity of attending this conference represented a turning point in my research and my career. I came back with quite few new ideas to implement and enhance the quality of my research work.

Photo 1. Group photo after the Student Forum held on June 20th

Muhammad Zayed
University of California San Diego (UCSD)

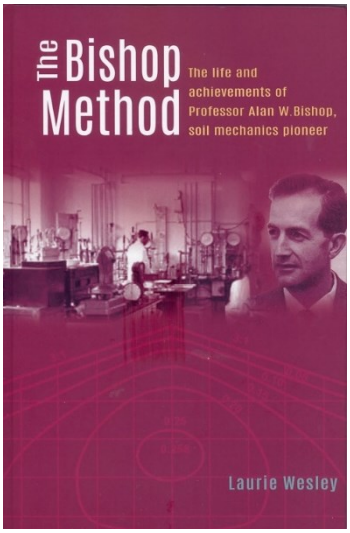
Hot news

The 3rd International Conference on Geo-Energy and Geo-Environment (GeGe2019), Nov 30 – Dec 1 2019, ChangSha, China

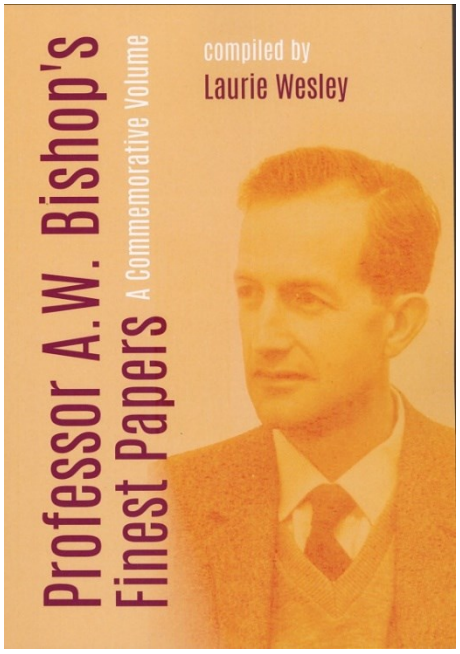
THE BISHOP METHOD
The Life and Achievements of Professor Alan W. Bishop, soil mechanics pioneer

- Provides an insight into the man behind the method
- Unveils the story behind the unique contribution that Professor Bishop made to the early development of soil mechanics
- Demonstrates that there is a "Bishop Method" of working that was the key to his achievements in soil mechanics

ISBN 978-184995-439-6 £35



BISHOP'S FINEST PAPERS - A COMMEMORATIVE VOLUME



A unique opportunity to acquire most of the key papers authored by Bishop as published in the original journals.

This volume brings together a selection of key papers by this soil mechanics pioneer. In particular it contains three very important papers that were published in journals or proceedings not normally read by geotechnical engineers. The remaining papers have been selected on the basis of their importance in the development of soil mechanics and to highlight the nature and range of subjects that Bishop investigated during the thirty -seven years of his career.

ISBN 978-184995-442-6 £40

The books can be purchased from the publisher at the above address. Postage cost will depend on the location of the buyer.

Hot news (Con't)

The 3rd International Conference on Geo-Energy and Geo-Environment (GeGe2019), Nov 30 – Dec 1 2019, ChangSha, China

UNIVERSITY OF CAMBRIDGE
Department of Engineering

SIMSG ISSMGE

IS-Cambridge 2020
10th International Symposium on Geotechnical Aspects of Underground Construction in Soft Ground

CALL FOR NOMINATIONS

ISSMGE Bright Spark Lecture award

Background:

To promote young members of ISSMGE to play a major role in various international and regional conferences, the President of ISSMGE, Professor Charles Ng, created the Bright Spark Lecture Award for promising young geotechnical professionals/academics to have a chance to deliver a keynote lecture at a major ISSMGE sponsored conference.

Selection and approval procedure:

The local IS-Cambridge 2020 organising committee is responsible for the preliminary selection of potential Bright Spark lecturers, in collaboration with the Young Member Presidential Group (YMPG). The CVs of the preliminarily selected candidates (a maximum shortlist of four) will be submitted to the President of ISSMGE for a final decision on the awardee.

The awardee will then be invited to give a 20-minute presentation at the IS-Cambridge 2020 conference and write a paper that will be published in the IS-Cambridge 2020 proceedings. An "ISSMGE BRIGHT SPARK LECTURER" certificate will be presented either by the President or his/her representative.

Eligibility:

Outstanding and promising young geotechnical professionals/academics at 36 years of age or under at the last day of a conference.

Submitting Nominations:

Nomination letters, together with the CVs for nominees, will need to be sent to Jo Griffiths (ifm-events@eng.cam.ac.uk) no later than **30th September 2019**.

Event Diary

ISSMGE EVENTS

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

2019

ECSMGE 2019 – XVII European Conference on Soil Mechanics and Geotechnical Engineering
Date: 01-09-2019 – 06-09-2019
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

3rd International Conference "Challenges in Geotechnical Engineering" CGE-2019
Date: 10-09-2019 - 13-09-2019
Location: University of Zielona Gora (Poland),
Language: English
Organiser: University of Zielona Gora (Poland) and Kyiv National University of Construction and Architecture (Ukraine)
Contact person: Co-Chairmen of the Organising Committee: Volodymyr Sakharov, Waldemar Szajna
Address: 1, Prof. Zygmunta Szafrana str
Fax: +48 (68) 328 47 23
Email: info@cgeconf.com
Website : http://www.cgeconf.com

International Symposium on Geotechnical Aspects of Heritage Structure
Date: 16-09-2019 - 18-09-2019
Location: IIT Madras, Chennai, India
Language: English
Organiser: National Centre for Safety of Heritage Structure of IIT Madras (NCSHS-IITM) and IGS-Chennai Chapter in collaboration with IGS-Trichy Chapter and Anna University under the aegis of Technical Committee (TC301) of International Society of Soil Mechanics and
Contact person: Subhadeep Banerjee
Address: BSB117A, Dept of Civil Eng, IIT Madras
Phone: +919840132095
Email: subhadeep@iitm.ac.in
Website: http://www.igschennai.in/ISGHS2019
Email: isghs19chennai@gmail.com

Event Diary (Con't)

1st Mediterranean Young Geotechnical Engineers Conference
Location: Kefaluka Resort Hotel, Bodrum, Mugla, Turkey
Dates: 23-09-2019 - 24-09-2019
Language: English
Organiser: Turkish Society for ISSMGE - ZMGM
Contact person: Altug Saygili
Address: Mugla Sıtkı Kocman University, Engineering Faculty, Department of Civil Engineering, Kotelki, Mugla, Turkey
Phone: +90 252 211 1942
Fax: +90 252 211 1912
Email: secretariat@mygec2019.org
Website: http://mygec2019.org

International Conference on Landslides and Slope Stability
Location: Discovery Kartika Plaza Hotel, Bali - Denpasar, Indonesia
Date: 25-09-2019 - 27-09-2019
Language: English
Organiser: Universitas Katolik Parahyangan and Universiti Teknologi Petronas;
Contact person: Aflizal;
Address: Jl. Ciumbuleuit No. 94 Bandung;
Phone: +62 899 7050 250;
Email: secretariat@slope2019.com;
Website: http://www.slope2019.com

27th European Young Geotechnical Engineers Conference
Location: Kefaluka Resort Hotel, Bodrum, Mugla, Turkey
Dates: 26-09-2019 - 27-09-2019
Language: English
Organiser: Turkish Society for ISSMGE - ZMGM
Contact person: Altug Saygili
Address: Mugla Sıtkı Kocman University, Engineering Faculty, Department of Civil Engineering, Kotekli, Mugla, Turkey
Phone: +90 252 211 1942
Fax: +90 252 211 1912

3rd International Conference on Information Technology in Geo-Engineering (3RD ICITG2019)
Date: 29-09-2019 - 02-10-2019
Location: Cultural Centre of Vila Flor, Guimarães, Portugal
Language: English
Organiser: University of Minho and Portuguese Geotechnical Society under the auspices of JTC2 of FedIGS)
Contact person: 3rd ICITG Secretariat
Address: University of Minho/ School of Engineering/ Civil Engineering Department, Campus de Azurem
Phone: (+ 351) 253 510 750
Fax: (+ 351) 253 510 217
Email: 3rd-icitg2019@civil.uminho.pt
Website: http://www.3rd-icitg2019.civil.uminho.pt/

Event Diary (Con't)

Energy Geotechnics Mechanics of the Energy Transition
Location: Science Centre of Delft University of Technology, Netherlands , Delft
Date: 03-10-2019 - 04-10-2019
Language: English, Dutch
Organiser: CRUX Engineering BV, Cohere Consult, TU Delft, TU Eindhoven, TC308;
Contact person: Jacco Haasnoot;
Address: Mijnbouwstraat 112;
Phone: +31648936558;
Email: haasnoot@cruxbv.nl;
Website: https://www.aanmelder.nl/energygeotechnics

XVII African Regional Conference on Soil Mechanics and Geotechnical Engineering
Date: 07-10-2019 – 10-10-2019
Location: Cape Town Convention Centre, South Africa
Language: English
Organiser: SAICE
Contact person: Dr Denis Kalumba
Email: denis.kalumba@uct.ac.za

XVI Asian Regional Conference on Soil Mechanics and Geotechnical Engineering
Date: 21-10-2019 – 25-10-2019
Location: Taipei, China
Contact person: 16th ARC Secretariat
Phone: 886-2-27988329 ext.35
Fax: 886-2-27986225 (fax)
Email: secretariat@16arc.org
Website: http://www.16arc.org

11ème Édition des Journées Africaines de la Géotechnique
Date: 21-10-2019 - 24-10-2019
Location: Niamey, Niger
Languages: French and English language
Organiser: CTGA and ALBTP
Website: http://www.ctgaafrique.org
Email: emk2cm@Yahoo.fr

GEOMEAST 2019 International Congress and Exhibition
Location: Cairo Marriott Hotel, Zamalek, in front of the Great Nile, Corniche El-Nile, Egypt
Dates: 10-11-2019 - 14-11-2019
Language: English
Contact person: Amany El-Masry
Address: Nasr City
Phone: +201151885508
Email: info@geomeast2019.org; info@ssige.org
Website: https://geomeast.org/

Event Diary (Con't)

XVI Panamerican Conference on Soil Mechanics and Geotechnical Engineering
Date: 18-11-2019 – 22-11-2019
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

The 4th International Conference on Geotechnics for Sustainable Infrastructure Development
Location: National Convention Center (NCC), Hanoi, Vietnam,
Date: 28-11-2019 - 29-11-2019
Language: English
Organiser: Vietnamese Society for Soil Mechanics and Geotechnical Engineering (VSSMGE), FECON Corporation, Thuyloi University (TLU), and Kokusai Kogyo Co., Ltd (KKC, Japan)
Contact person: NGUYEN Tien Dung
Address: FECON, 15th Floor, CEO Tower, HH2-1 Lot, Me Tri Ha Urban Area, Pham Hung Street, Me Tri Ward, Nam Tu Liem District
Phone: +84 903 440 978
Email: secretariat@geotechn.vn
Website: https://geotechn.vn/

9th Asian Young Geotechnical Engineers Conference
Location: University of Engineering & Technology (UET) Lahore, Pakistan
Date: 05-12-2019 - 07-12-2019
Language: English
Organiser: Pakistan Geotechnical Engineering Society (PGES)
Contact person: Dr. Muhammad Irfan
Address: 54810 G.T. Road
Phone: +92 306 66 666 010
Email: 9AYGEC@uet.edu.pk;
Website: http://15icge-9aygec.uet.edu.pk/

15th International Conference on Geotechnical Engineering, and 9th Asian Young Geotechnical Engineers Conference
Location: Lahore, Pakistan,
Date: 05-12-2019 - 07-12-2019
Language: English
Organiser: Pakistan Geotechnical Engineering Society (PGES)
Contact person: Dr. Muhammad Irfan (for 15ICGE); Dr. Jahanzaib Israr (for 9AYGEC)
Address: Civil Engineering Department, UET Lahore, Pakistan
Phone: +92 306 66 666 010; +92 334 413 2808
Email: 15icge@uet.edu.pk , 9aygec@uet.edu.pk

First Indian Symposium on Offshore Geotechnics
Date: 05-12-2019 - 06-12-2019
Location: School of Infrastructure, Khordha, India
Language: English
Organizer: Indian Institute of Technology Bhubaneswar and Institute of Engineering and Ocean Technology,
Contact person: Sumanta Haldar and Shantanu Patra
Address: School of Infrastructure
Email: isog2019@gmail.com
Website: https://sites.google.com/iitbbs.ac.in/isog2019

Event Diary (Con't)

International Conference On Case Histories And Soil Properties
Date: 05-12-2019 - 06-12-2019
Location: Furama Riverfront Hotel, Singapore,
Language: English
Organiser: Geotechnical Society of Singapore
Contact person: Geotechnical Society of Singapore
Address: 1 Liang Seah Street #02-11
Email: geoss@cma.sg
Website: http://www.iccs2019.org
Email: geoss@cma.sg

2020

International Conference on Geotechnical Engineering - Iraq
Location: Baghdad, Iraq
Date: 19-02-2020 - 20-02-2020
Organiser: Iraqi Scientific Society of Soil Mechanics and Foundation Engineering;
Contact person: Mahdi O Karkush;
Address: Aljadriah;
Phone: 07801058893;
Email: mahdi_karkush@coeng.uobaghdad.edu.iq;
Website: http://issmfe.org/international-iraqi-geotechnical-conference/

14th Baltic Sea Geotechnical Conference 2020
Date: 25-05-2020 - 27-05-2020
Location: Clarion Hotel Helsinki, Finland
Language: English
Organiser: Finnish Geotechnical Society
Contact person: Leena Korkiala-Tanttu
Email: leena.korkiala-tanttu@aalto.fi
Website: http://www.ril.fi/en/events/bsgc-2020.html
Email: ville.raassakka@ril.fi

18th NGM Nordic Geotechnical Meeting
Date: 25-05-2020 – 27-05-2020
Location: Helsinki, Finland
Contact person: Ville Raassakka
Email: ville.raassakka@ril.fi
Website : http://www.ril.fi/en/events/ngm-2020.html

1st International Conference on Embankment Dams (ICED'2020): Dam Breach Modelling and Risk Disposal
Location: Beijing International Convention Center, Beijing, China,
Date: 05-06-2020 - 07-06-2020
Language: English
Organiser: ISSMGE TC210 on Embankment Dams;
Website: http://iced-2020.host30.voosite.com/;
Email: iced2020@163.com

Event Diary (Con't)

XIII International Symposium on Landslides (13 ISL) - Cartagena 2020
Date: 15-06-2020 - 19-06-2020
Location: Hotel Las Américas, Cartagena, Colombia
Language: English
Organiser: Colombian Geotechnical Society
Contact person: Juan Montero Olarte
Address: Transversal 28B No. 37-47
Phone: 57 1 2694260
Email: isl2020@scg.org.co
Website: http://www.scg.org.co

International Conference on Geotechnical Engineering Education
Location: Greece, Athens
Date: 24-06-2020 - 25-06-2020
Language: English
Organiser: TC306
Contact person: Marina Pantazidou
Email: gee2020athens@gmail.com
Website: https://www.gee2020.org

4th European Conference on Unsaturated Soils - Unsaturated Horizons
Location: Instituto Superior Técnico, Lisbon, Portugal,
Address: Av Rovisco Pais, 1
Date: 24-06-2020 - 26-06-2020
Language: English
Organiser: IST, TUDelft and UPC
Contact person: info@EUNSAT2020.tecnico.ulisboa.pt
Website: http://www.EUNSAT2020.tecnico.ulisboa.pt

TC204: Geotechnical Aspects of Underground Construction In Soft Ground - TC204 Cambridge 2020
Date: 29-06-2020 - 01-07-2020
Location: University of Cambridge, United Kingdom
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

3rd International Conference on Geotechnical Engineering
Location : Cinnamon Grand, Colombo ; Sri Lanka
Date : 10-08-2020 - 11-08-2020
Language : English
Organiser : Sri Lankan Geotechnical Society ;
Contact person: Dr. JSM Fowze;
Address: 415, Bauddhaloka Mawatha
Email: slgssecretariat@gmail.com;
Website: http://icgecolombo.org/2020/index.php

Event Diary (Con't)

4th International Symposium on Frontiers in Offshore Geotechnics
Date: 16-08-2020 - 19-08-2020
Location: University of Texas, Austin, United States
Language: English
Organiser: 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

4th International Conference on Transportation Geotechnics (4th ICTG)
Location: Sheraton Grand Chicago, USA
Date: 30-08-2020 - 02-09-2020
Organiser: Professor Erol Tutumluer, 4th ICTG Chairman and Chair of ISSMGE TC 202,
Contact Information: Professor Erol Tutumluer,
Address: 1205 Newmark CEE Laboratory, MC-250 205 N. Mathews,
Phone: +1 (217) 333-8637,
Email: CITL-ICTG2020@illinois.edu,
Website: http://www.conferences.illinois.edu/ICTG2020

6th International Conference on Geotechnical and Geophysical Site Characterization
Date: 07-09-2020 - 11-09-2020
Location: Budapest Congress Center, Hungary , Budapest
Language: English
Organizer: Hungarian Geotechnical Society
Contact person: Tamas Huszak
Address: Muegyetem rkp. 3.
Phone: 0036303239406
Email: huszak@mail.bme.hu
Website: http://www.isc6-budapest.com
Email: info@isc6-budapest.com

2nd International Conference on Energy Geotechnics
Location: Robert Paine Scripps Forum for Science, Society and the Environment. La Jolla, CA, USA. , Date : 20-09-2020 - 23-09-2020
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

Event Diary (Con't)

3rd International Symposium on Coupled Phenomena in Environmental Geotechnics
Location: Kyoto University, Japan
Date: 29-10-2020 - 30-10-2020
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

10th International Conference on Scour and Erosion
Location: DoubleTree Washington DC – Crystal City, USA,
Date: 15-11-2020 - 18-11-2020
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

20th International Conference on Soil Mechanics and Geotechnical Engineering
Location: International Convention Centre Sydney, Australia
Date :12-09-2021 - 17-09-2021
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/

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2019

International Symposium on SPH and Other Particle-Based Continuum Methods and their Applications in Geomechanics
Date: 11-09-2019 - 13-09-2019
Location: Institute of Geotechnical Engineering, BOKU, Vienna, Austria English
Organiser: Institute of Geotechnical Engineering, University of Natural Resources and Life Sciences Vienna
Contact person: Prof. Wei Wu
Address: Feistmantelstrasse 4
Phone: +4314765487300
Fax: +4314765487309
Email: geotech@boku.ac.at
Website: https://sph-vienna.com/

Event Diary (Con't)

ISRM - 14th International Congress of Rock Mechanics
Location: Bourbon Cataratas Convention & Spa Resort, Foz do Iguassu, Brazi
Date: 13-09-2019 - 18-09-2019
Language: English
Organiser: ABMS, SAIG, SPG
Contact person: Sergio A. B. da Fontoura
Email: fontoura@puc-rio.br
We
bsite: http://www.isrm2019.com

12th Asian Regional Congress of IAEG
Location: Booyoung Jeju Hotel & Resort, South Korea , Seogwipo-si
Date: 21-09-2019 - 27-09-2019
Language: English
Organiser: The Korean Society of Engineering Geology and Korea national group of International Association of Engineering Geology and the Environment (IAEG
Contact person: Jen. Ryu
Address: 4F Officia BD, 92 Saemunan-ro
Phone: +82--3276-2206
Email: secretariat@iaegarc12.org
Website: http://www.iaegarc12.org/main/main.html

Canadian Geotechnical Society's Annual Conference
Location: St. John's Convention Centre in St. John's, Newfoundland and Labrador, Canada,
Date: 29-09-2019 - 02-10-2019
Organiser: Canadian Geotechnical Society
Contact person: Lisa McJunkin
Email: admin@cgs.ca
Website: http://www.geostjohns2019.ca
Email: sponsors@geostjohns2019.ca

DFI 44th Annual Conference on Deep Foundations
Dates: 15-10-2019 - 18-10-2019
Location: Hilton Chicago, United States
Organizer: Deep Foundations Institute
Contact person: Theresa Engler
Address: 326 Lafayette Avenue
Phone: 19734234030
Fax: 19734234031
Email: tengler@dfi.org; staff@dfi.org
Website: http://www.dfi.org

Buchanan Lecture
Location: Brazos Amphitheater in the College Station Hilton, United States
Date: 18-10-2019 - 19-10-2019
Language: English
Organiser: Blake Thurman; Contact person: Jean-Louis Briaud; Address: 3136 TAMU
Phone: 979-845-3795; Email: briaud@tamu.edu;
Website: https://ceprofs.civil.tamu.edu/briaud/buchanan.html

Event Diary (Con't)

ReSyLAB & GEO-EXPO 2019 – Sarajevo, Bosnia and Herzegovina
Location: Sarajevo, Bosnia and Herzegovina
Date: 23-10-2019 - 25-10-2019
Languages: Bosnian, Croatian, Serbian and English
Organiser: Geotechnical Society of Bosnia and Herzegovina
Contact Information
Contact person: Sabrina Salkovic
Address: Univerzitetska 2, Tuzla 75000 Bosna i Hercegovina
Phone: + 387 61 451 701
Email: geotehnika@geotehnika.ba
Website: http://www.geotehnika.ba/

8th International Geotechnical Symposium
Date: 13-11-2019 - 15-11-2019
Location: Suleyman Demirel Kultur Merkezi, ITU Ayazaga Campus, Istanbul, Turkey
Language: English and Turkish
Organiser: UCTEA Turkish Chamber of Civil engineers, Istanbul Branch and Turkish Society for ISSMGE
Contact person: Kubilay Sahin
Email: bilimsel@geoteknik2019.org
Website: http://www.geoteknik2019.org

2020

2nd International Symposium on Seismic Performance and Design of Slopes
Location: John McIntyre Conference Centre in Pollock Halls, 18 Holyrood Park Road, Edinburgh EH16 5AY, UK,
Date: 18-01-2020 - 22-01-2020
Language: English
Organiser: The University of Edinburgh, UK
Contact person: Chongqiang Zhu, Ph.D.
Address: Institute for Infrastructure and Environment, School of Engineering, the University of Edinburgh, Thomas Bayes Road, Edinburgh EH9 3FG, UK
Phone: 441316505588
Email: v1czhu3@exseed.ed.ac.uk
Website: https://www.isspds.eng.ed.ac.uk/

Geoamerica 2020
Location: Windsor Convention Expo Center, Rio de Janeiro; Brazil
Date: 26-04-2020 - 29-04-2020
Language: English
Organiser: International Geosynthetics Society;
Contact person: André Estêvão Silva;
Email: geoamericas2020@geoamericas2020.com;
Website: http://www.geoamericas2020.com

Event Diary (Con't)

DFI Deep Mixing 2020
Dates: 15-06-2020 - 17-06-2020
Location: TBD, Gdansk, Poland
Organizer: Deep Foundations Institute
Contact person: Theresa Engler
Address: 326 Lafayette Avenue, Hawthorne, NJ 07506, USA
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7th International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics
Location: The National Science Seminar Complex, India , Bengaluru
Date: 13-07-2020 – 16-07-2020
Organiser: Indian Society of Earthquake Technology
Contact person: Dr Ravi Jakka
Address: Department of Earthquake Engineering, Indian Institute of Technology Roorkee
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Email: jakkafeq@iitr.ac.in
Website: http://7icragee.org/index.php

16th International Conference of the International Association for Computer Methods and Advances in Geomechanics - IACMAG
Location: Politecnico di Torino Conference Centre, Italy ,
Date: 29-06-2020 - 03-07-2020
Organiser: Politecnico di Torino
Contact person: Symposium srl
Address: via Gozzano 14
Phone: +390119211467
Email: info@symposium.it; marco.barla@polito.it

DFI 45th Annual Conference on Deep Foundations
Dates: 13-10-2020 - 16-10-2020
Location: Gaylord National Resort & Convention Center, Oxon Hill, MD, USA
Organizer: Deep Foundations Institute
Contact person: Theresa Engler
Address: 326 Lafayette Avenue, Hawthorne, NJ 07506, USA
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Website: http://www.dfi.org
Email: staff@dfi.org

Event Diary (Con't)

Fifth World Landslide Forum
Dates: 02-11-2020 - 06-11-2020
Location: Kyoto International Conference Center, Kyoto, Japan
Organizer: International Consortium on Landslides
Contact person: Ryosuke Uzuoka
Address: Gokasho
Phone: +81-774-38-4090
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FOR FURTHER DETAILS, PLEASE REFER TO THE WEBSITE OF THE SPECIFIC CONFERENCE

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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.

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www.calgeo.org

e. Prof. Ikuo Towhata
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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

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q. ARGO-E (Geoengineer.org)
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