

ISSMGE Bulletin

Volume 12, Issue 6 December 2018

International Society for Soil Mechanics and Geotechnical Engineering

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www.issmge.org

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Message from member society

The Canadian Geotechnical Society's 71st annual conference, GeoEdmonton 2018, held in September in Edmonton, Alberta, was a great success with close to 300 papers presented over 3 days of technical sessions. The 650+ delegates in attendance experienced high calibre technical lectures, interesting keynote plenary presentations as well as many great opportunities to connect with old and new colleagues during the many social events. The trade exhibition showcased 71 suppliers, contractors and consultants and thanks to the 27 conference sponsors, we were able to support many new initiatives.

Outstanding keynote lectures included:

- R.M. Hardy Address Dr. Derek Martin, University of Alberta, "Ground Hazards and Canadian Railway Operations
- D'Arcy Lecture Dr. Masaki Hayashi, University of Calgary, "Alpine Hydrogeology: The Critical Role of Groundwater in Sourcing the Headwaters of the World"
- CGS Colloquium Dr. Matt Lato, BGC Engineering, "Leveraging Three-Dimensional Remote Sensing in Geotechnical Engineering



Photo 1. Dr. Derek Martin giving his R.M. Hardy Address

Message from member society (Con't)

Breakout sessions highlighted the impact of Women as well as Young Geo-Professionals. A special session in women in engineering was hosted by the Professional Practice Committee featuring prominent female professionals highlighting diversity in practice and academia. A session highlighting the First Women in Geotechnique in Canada celebrated pioneering women who made incredible contributions to the profession. The Young Professionals Event provided a forum for younger attendees to interact and discuss challenges of entering Geo-careers.



Photo 2. Maraika de Groot speaking at the Young
Professionals Event



Photo 3. Andrea Lougheed introducing the First Women in Geotechnique in Canada session

The many award winners were celebrated throughout the conference. Dr. Michel Aubertin, McGill University received the Legget Mdedal, the highest honour in Canadian Geotechnique. He was celebrated at the Legget Dinner after the conference. Award winners were celebrated at the Banquet.



Photo 4. Dr. Michel Aubertin receiving the Legget Award.



Photo 5. Dr. Andy Take receiving the Quigley Award from Dr. Dharma Wijerickreme, President of the CGS and Dr Craig Lake, Co-Editor of the Canadian Geotechnical Journal.

Next year's Canadian Geotechnical Conference will be held in St. John's, Newfoundland. Visit http://www.geostjohns2019.ca/ for more details and mark your calendars for September 29 to October 2, 2019! Abstracts are due December 31, 2018. A few days prior to the main CGS conference, the 6th cYGEGC http://cygegc2019.com will be held in St. John's from September 26-29. The Canadian Young Geotechnical Engineers and Geoscientists Conference (cYGEGC) is an event held every three years that gathers students and young professionals from across Canada and beyond. The conference focuses on providing an opportunity to young professionals and students with geotechnical and geosciences backgrounds to meet their peers, exchange technical knowledge and interact with experts in a relaxed environment. See you there in 2019!

Greg Siemens Canadian Geotechnical Society

TC Corner

TC304 student context on Data Analytics applied to 304dB (supported by TC309)

TC304 (Engineering Practice of Risk Assessment & Management) has recently organized the First TC304 Student Contest on Data Analytics Applied to 304dB on 18 August 2018 in Harbin, China, during the 5th National Symposium on Engineering Risk & Insurance Research. This event was supported by TC309 (Machine Learning & Big Data). Besides TC304 and TC309, the local organizers for the Student Contest included Dr. Dagang Lv from Harbin Institute of Technology, Dr. Hongwei Huang from Tongji University, and Dr. Jie Zhang from Tongji University.

One of the key findings of the recently concluded ISSMGE 2017 SOA/SOP Survey is that more geotechnical databases (soil/rock properties, full-scale tests, case studies, etc.) should be made available in the public open-sharing database called 304dB has been (http://140.112.12.21/issmge/tc304.htm?=6), and one of the key objectives is to stimulate research to explore how geotechnical data can provide better insights to support decision making in practice. The purpose of this Student Contest is to create an awareness among students the numerous exciting challenges in this frontier. In this contest, the participants were provided an actual dataset consisting of effective vertical stress, preconsolidation pressure, liquidity index, and undrained shear strength (peak and remoulded). Some values were deliberately modified with varying degrees of departure from the norm to play the role of "outliers". The number of outliers is left out of the question. The participants are required to identify the "outliers" using any data-driven methods (statistical methods, neural networks, machine learning, artificial intelligence, etc.) based on a realistic dataset consisting of only 17 rows of data (each row consists of all 5 parameters measured at a certain depth).

Fourteen student groups participated in this event from China University of Geosciences, Chongqing University, Dalian University of Technology, Harbin Institute of Technology, Shanghai Jiao Tong University, Tongji University, Wuhan University, and Xi'an University of Science and Technology. Each student group submitted a paper and presented their results in English during the Symposium. The student groups were judged based on the quality of the method (originality and degree of innovation), presentation, and solution by an awards committee consisting of Profs Kok-Kwang Phoon (Chair), Jianye Ching, and Limin Zhang. One Student Contest Award and three encouragement awards were presented to the following student groups during the Symposium banquet:

Student Award:

Shuo Zheng, Qinxuan Deng, and Yuxin Zhu, A Simple Outlier Detection Method for the Multiple Dimensional Problem. Wuhan University, China (advisor: Zijun Cao).

Encouragement Awards:

Jingze Gao, Guoliang Wang, Renming Deng, and Laiming Deng, A Hierarchical-cluster-based Method for Identifying the Outliers from the Test Data of Solid Mechanics Provided for 2018 TC304 Student Contest. Harbin Institute of Technology, China (advisor: Xiaohui Yu).

Jingjian. Hu, Jinzheng Hu, and Tao Cheng, Inspection of Outliers in Multivariate Dataset by Bayesian Information Mining. Tongji University, China (advisor: Hongwei Huang & Dongming Zhang).

Te Xiao, and Jian He, Outlier Detection for Multivariate and Sparse Site-specific Geotechnical Data. Wuhan University (advisor: Dianqing Li & Zijun Cao).

The Contest Question, the winners of Student Contest, and the pdf files for the winning papers can be found in the following link:

http://140.112.12.21/issmge/tc304.htm?=10

TC Corner (Con't)

TC304 student context on Data Analytics applied to 304dB (supported by TC309)

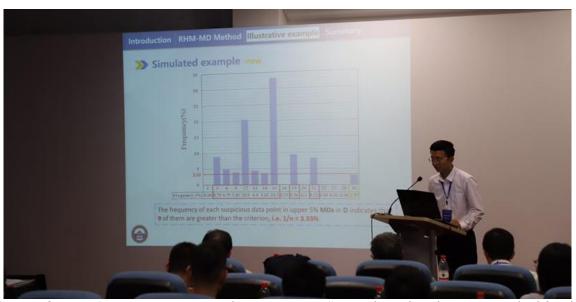


Photo 1. Qinxuan Deng presenting award winning paper "A simple outlier detection method for the multiple dimensional problem" during the student contest presentation in the 5th National Symposium on Engineering Risk & Insurance Research, Harbin, China, 18 Aug 2018



Photo 2. Group photo after the Student Contest presentation (From left to right: Dongming Zhang, Zhipeng Xiao, Peng Chen, unknown, Bin Xu, Huafu Pei, Shaolin Ding, Fei Wang, Zhiping Deng, unknown, Zhiyong Yang, unknown, Jingjian Hu, Zilian Zhou, Jinzhang Zhang, Junkai Shen, unknown, Huaibo Song, Changrui Wu, Xiaohan Hao, Chongzhi Wu, Yelu Zhou, Yixun Ge, Shuo Zheng, Jingze Gao, Xin Xie, KK Phoon, Renming Deng, Te Xiao, Jianye Ching, Qinxuan Deng, Pengxi Li, Limin Zhang, Peng Zeng)

The 8th International Congress on Environmental Geotechnics, China



The 8th International Congress on Environmental Geotechnics (8ICEG), under the auspices of TC 215 Environmental Geotechnics of ISSMGE, successfully took place on Oct. 28th - Nov. 1st, 2018 at Hangzhou, China. This congress was organized by Ministry of Education Key Laboratory of Soft Soils and Geoenvironmental Engineering of Zhejiang University, The Chinese Institution of Soil Mechanics and Geotechnical Engineering (CISMGE), and The Hong Kong Geotechnical Society (HKGES). Support was also received from International Geosynthetics Society (IGS), International Waste Working Group (IWWG), Commission on Radioactive Waste Disposal of International Society for Rock Mechanics (ISRM), and Commission on Waste Disposal of the International Association of Engineering Geology and the Environment (IAEG). Financial supports were from the National Natural Science Foundation of China (41842018), the Chinese Program of Introducing Talents of Discipline to University (the 111 Project, B18047), the College of Civil Engineering and Architecture of Zhejiang University, and 11 sponsors from the industry.

The congress theme was "Towards a Sustainable Geoenvironment." "Sustainable development was to meet the needs of the present without compromising the ability of future generations to meet their own needs". Geoenvironment was a specific compartment of the environment and comprised portions of geosphere, hydrosphere and biosphere. Under this theme the congress covered a broad range of topics and provided an excellent opportunity for academics, engineers, scientists, government officials, regulators and planners to present, discuss and exchange the latest advancements and developments in the research and application of environmental geotechnics.

8ICEG featured (1) 22 Plenary Lecturers from 11 countries, which includes 7 academicians, 4 editors of major journals, and 6 chairpersons of international renowned organizations; (2) 4 ISSMGE Bright Spark Lectures honoring distinguished young scholars in geoenvironmental area under age of 36, (3) 216 oral presentations and 24 posters were presented in a spacious and comfortable five-star hotel, Sheraton Hangzhou Wetland Park Resort; (4) Over 250 papers in the congress proceedings, including emerging "hot" topics on sustainability, bio-geoengineering and geoenvironmental aspects in energy geotechnics, were published in Environmental Series of Springer, EI-indexed, and searchable by Web of Science; (5) 4 internationally renowned journals, such as Geotextiles and Geomembrances, agreed to special issue publication; (6) 3 short courses, and (7) technical visits to Tianziling landfill of municipal solid waste disposal facility and two construction waste recycling facilities. Numerous positive feedbacks orally or by email were received on the planning, scheduling, on-site organization and off-site guidance. A brief review was provided as follows.

The 8th International Congress on Environmental Geotechnics, China (Con't)

| Speakers | Торіс |
|------------------------------|--|
| Distinguished Lecture | |
| Kerry Rowe | Environmental Geotechnics: Looking back, looking future |
| | Kerry Rowe Lecture |
| Mario Manassero | On the Fabric and State Parameters of Active Clays for Contaminant Control |
| Keynote Lectures | |
| Craig Benson | Engineering for Sustainability: New Value Proposition for Differentiation in Environmental Geotechnics |
| Ning-wu Chang | Brownfield Redevelopment at Contaminated Landfill Site |
| Yun-min Chen | Waste Mechanics and Sustainable Landfilling Technology: Comparison between HFWC and LFWC MSWs |
| Invited Lectures | |
| Malek Bouazza | Failures in Containment System: Lessons Learned |
| Michael A. Celia | Modeling Geological Storage of Carbon Dioxide with a Focus on Leakage Risk Assessment |
| Pierre Delage | Micro-macro Effects in Bentonite Engineered Barriers for Radioactive Waste Disposal |
| Nathalie Touze- Foltz | Performance Issues of Barrier Systems for Landfills |
| Stephan Jefferis | Low Permeability Vertical Barriers: The State of the Art and the Research Needs for the Future |
| Takeshi Katsumi | Towards Sustainable Soil Management - Reuse of Excavated Soils with Natural Contamination |
| Edward Kavazanjian | Biogeotechnical Engineering Applications for Environmental Protection and Restoration |
| Olaf Kolditz | Workflows in Environmental Geotechnics: Status-Quo and Perspectives |
| William Powrie | Climate and Vegetation Impacts on Infrastructure Cuttings and Embankments |
| Krishna Reddy | Risk, Sustainability and Resiliency Considerations in Polluted Site Remediation |
| Devendra Narain Singh | Centrifuge Modeling of Contaminant Transport in Geomaterials |
| Rainer Stegmann | Development of Waste Management in the Last 30 Years |
| Antonio Thome | Remediation Technologies Applied in Polluted Soils: New Perspectives in this Field |
| Fu-ming Wang | Jet Grouting for Leakage Prevention with Non-Aqueous Reactive Polymers |
| Liang Chen | Progress of High-Level Radioactive Waste Disposal Program in China |
| General Report | |
| Charles Shackelford | Pollutant Transport |
| William Powrie | Waste Mechanics |
| ISSMGE Bright Spark Lectures | |
| Marta Di Sante | The Reuse of Excavated Soil by Lime Stabilization: Mechanical and Hidraulic Properties |
| Xunchang Fei | Changes in Static and Dynamic Responses of Municipal Solid Waste in Landfills due to Long-term Coupled Degradation Processes |
| Wenjie Xu | A Multi-field Coupling Model of Degradable Soils and its Applications in Landfilled Municipal Solid Waste |
| Junjun Ni | Hydrological Contribution of Vegetation to Slope Stabilization: Theory and Experiment |

The 8th International Congress on Environmental Geotechnics, China (Con't)

Day 1 (Oct. 28th): Registration, short courses, lab tour, and reception.

The staff and student volunteers carefully explained the progress of the conference to the delegates.

Three short courses were given: Numerical simulation of THMC processes in porous and fracture media: application of the computing code OpenGeoSys by Olaf Kolditz and Haibing Shao; 2D/3D Slope stability and seepage analysis by Murray Fredlund, Haihua Lu and Yufeng Gao; and Design and Remediation of Solid and Hazardous Waste Landfills - Approach and Analysis of Existing Problems for Landfills in China by Xuede Qian and Jiwu Lan.

Nineteen delegates visited the laboratory facility at Zhejiang University in the afternoon: Landfill simulation systems and chemical analysis devices, ZJU-400 geotechnical centrifuge, 1:1 High-Speed Railway Subgrade experiment facility, and Geoenvironmental Application and Mutiphase Engery (GAME) lab. A lively and crowded reception was held in the evening on a beautiful rooftop golf court.

Day 2 (Oct. 29th): opening ceremony and plenary lectures.

Dr. Bate Bate, secretary of the organizing committee of 8ICEG, hosted the opening ceremony and introduced the guests in the morning. Prof. Lianzhen He, Vice President of Zhejiang University, expressed sincere welcome to all delegates on behalf of Zhejiang University. Mr. Bin Zhong, deputy director of the Bureau of Soil Ecology and Environment of the Ministry of Ecology and Environment, introduced the situation and progress of soil control in China. Mr. Xingu Qiu, vice chairman of Hangzhou Urban and Rural Construction Committee, delivered a welcome speech on behalf of Hangzhou. Prof. Charles W. W. Ng of the Hong Kong University of Science and Technology, president of the ISSMGE, gave a brief introduction to the membership of ISSMGE and the progress of relevant conferences this year. Prof. Abdelmalek Bouazza, chairman of TC215, delivered the opening speech. Prof. Liangtong Zhan chairman of the organizing committee of 8ICEG, introduced the organization and schedule of the conference. Last, Prof. Liangtong Zhan and Prof. Abdelmalek Bouazza ringed the bell to announce the opening of the conference.

Afterwards, special distinguished lecture, 1 keynote lecture and 3 invited lectures were delivered in the morning. In the afternoon, Kerry Rowe Lecture and 3 invited lectures were delivered.



Photo 1 Introducing guests at the opening ceremony

The 8th International Congress on Environmental Geotechnics, China (Con't)



Prof. Lianzhen He



Mr. Bin Zhong



Mr. Xingu Qiu



Prof. Charles W. W. Ng



Prof. Abdelmalek Bouazza



Prof. Liangtong Zhan

Photo 2. Speech by different scholars

Day 3 & 4: Plenary lectures, concurrent sessions, banquet and Impression West Lake Show.

The schedule on the third and the fourth day of the conference (Oct. 30th and 31st) was similar: In the morning, 2 keynote lectures, 2 general reports and 9 invited lectures were held. Four ISSMGE Bright Spark Lecturers, honoring scholars in geoenvironmental area under the age of 35, presented their state-of-the-art work in a plenary session on Oct. 31st. These four young scholars were Drs. Marta Di Sante, Xunchang Fei, Wenjie Xu and Junjun Ni. In the afternoon of two days, oral presentations in concurrent sessions were held, the audiences were active and asked a lot of questions after the delegates' presentations.

The 8th International Congress on Environmental Geotechnics, China (Con't)

A banquet was held in the evening of the Oct. 30th. Chinese folk music was performed, followed by the amazing Sichuan Opera fast face-changing performance. The delegates said that they enjoyed the banquet.

In the evening of Oct. 31st, delegates arrived at West Lake and watched the Impression West Lake show. The show helped delegates to understand the Hangzhou's connotation and appreciate the essence of Hangzhou's urban culture. The changing lighting themes and diverse music genres impressed the delegates.

Day 5: Technical visit.

On Nov. 1st, under the guidance of the Prof. Liangtong Zhan, more than 80 delegates visited the Hangzhou construction waste recycling point - Hangzhou Gangxie Village muck transfer terminal. Xiecun Wharf is the first modern large-scale construction waste waterway transfer operation point in Hangzhou. It was completed and constructed by Hangzhou Lynong Environmental Engineering Co., Ltd. in 2016.

In the closing ceremony of the conference, the chairman of TC215 Prof. Abdelmalek Bouazza announced that the 9th International Conference on Environmental Geotechnics will be held in Crete Island, Greece in 2022. The chairman of the organizing committee of 8ICEG, Prof. Liangtong Zhan expressed his gratitude to all the staff and volunteers and adjourn the congress.



Photo 3. 8ICEG group photo

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Hot news

The 7th International Symposium on Deformation Characteristics of Geomaterials, U. K.

Registration is now open for IS-Glasgow 2019: 7th International Symposium on Deformation Characteristics of Geomaterials, to be held in Glasgow, UK on June 26th-June 28th 2019. The Symposium is co-organised by the University of Strathclyde in Glasgow and the University of Bristol.

Having attracted close to 300 abstracts from across 47 countries and six continents, IS-Glasgow 2019 is expected to successfully build on the tradition of previous Symposia, from Sapporo in 1994 to Buenos Aires in 2015, by bringing together leading researchers and practitioners to explore new directions in geomaterial testing.

The Technical Core Themes of the Symposium are:

- Advanced laboratory and field testing of geomaterials in saturated and unsaturated states
- From laboratory testing to constitutive and numerical modelling
- · Application of advanced testing to practical geotechnical engineering

Full information on Keynote Speakers, Technical Core Themes and the 5th Bishop Lecture, presented by Prof. Junichi Koseki, from University of Tokyo, can be found on the IS-Glasgow 2019 website: https://www.is-glasgow2019.org.uk

IS-Glasgow 2019 Registration

Registration is now open via the website: https://www.is-glasgow2019.org.uk . Ticket prices are as follows:

Standard - Early Bird* £490 Standard £590 Student - Early Bird* £250 Student £325

*The deadline for early bird registrations is 1st March 2019.

Ticket pricing has been determined to ensure inclusivity for researchers across the academic field and Early Stage Researchers are particularly encouraged to attend. Ticket pricing includes:

- Welcome Drinks Reception at Glasgow City Chambers
- The Gala Dinner
- A USB copy of the Proceedings
- Catered coffee and lunch breaks
- Access to all sessions and exhibition spaces
 - The 5th Bishop Lecture
 - o 10 Keynote Lectures
 - o 18 Theme Lectures
 - Up to 144 presentations in parallel sessions

Sponsorship Opportunities

IS-Glasgow 2019 has been organised to maximise exposure for sponsors and exhibitors. The symposium has already attracted a high volume and high quality of Abstract submissions, promising to offer an ideal opportunity for interaction with key stakeholders during the event. Our focus on attracting Early Stage Researchers will provide the perfect platform for sponsors and exhibitors to build valuable relationships with current and upcoming researchers and practitioners in the field of geomaterials.

Hot news

The 7th International Symposium on Deformation Characteristics of Geomaterials, U. K. (Con't)

IS-Glasgow 2019 offers a range of sponsorship packages and bespoke options will be happily discussed. Full information, including pricing and exhibition and venue details, are available on the website: https://www.is-glasgow2019.org.uk/SponsorsandExhibitors/tabid/7788/Default.aspx

The Organising Committee welcomes any questions or discussion about potential opportunities: geomaterials-symposium2019@strath.ac.uk

Symposium Chairs

Prof. Alessandro Tarantino, University of Strathclyde, Glasgow, UK Dr. Erdin Ibraim, University of Bristol, UK Prof. Richard Jardine, Imperial College London, UK

Organising Committee geomaterials-symposium2019@strath.ac.uk

Website

https://www.is-glasgow2019.org.uk

Hot news

A meeting of national societies in South America during the conference COBRAMSEG

A meeting of presidents/secretaries of most national societies in South America was held during COBRAMSEG, the brazilian conference on soil mechanics and geotechnical engineering. Attendees to this meeting were José Pavón (PY), Heriberto Echezuría (VE), Daniela Pollak (CL), Ricardo Rocca (AR), Paulo Orostegui (CL), Roberto Terzariol (AR, past VP of ISSMGE), Alejo Sfriso (VP ISSMGE), Alessander Kormann (BR), Nicolás Zabrodiec (PY), Carlos Rodríguez (CO), Alexandre Gusmão (BR) and Marcos Massao Futai (BR). Dr. Eda Quadros (President, ISRM) was invited as observer. Sfriso briefed the group about the activities of ISSMGE in the region and reported back on ISSMGE initiatives, including Online Library, webinars, ISSMGE University, Touring Lectures, and the "Wiki-Book". During the meeting, the group unanimously decided to support Chile to host PCSMGE 2023. Daniela and Paulo thanked the group for this strong support and promised to organize a great conference. It was a very friendly and relaxed meeting, typical of the South American people. Thank you, Alessander Kormann and ABMS for hosting this meeting and supporting the activities of ISSMGE in South America.



Photo 1. Group photo during the meeting

ISSMGE Foundation Report

The conference started with a welcome speech delivered by Prof. N. J. Mattei, and Prof. Khalid El-Zahaby with GlennW. Hewus and Prof. Charles W. W. Ng who explained the objectives of the conference. After the welcoming delegates and participant, the keynote lecture started with R. A. Kemper and G. W. Hewus. The inaugural day spent with the inspiring lectures in the area of pile foundation, earthquake engineering and rock mechanics. It was enlightening and inspiring in the presence of well-known distinguished. After that, for three days, six keynote lectures were delivered in pre-lunch session and post-lunch session parallel oral sessions conducted on the different themes. The parallel session focused on the sustainability issues in geotechnical engineering and civil infrastructures, soil and rock mechanics, ground engineering, geosynthetics engineering, sustainable pavement engineering, expansive and problematic soils, deep foundation, shallow foundation, ground improvement, soil structure interaction, structures and bridge engineering, numerical methods in geotechnical engineering, soil testing and slope stability.

I attended sustainable issues in geotechnical engineering, expansive and problematic soils, sustainable pavement engineering, ground improvement, soil testing and slope stability sessions. The lecture by Prof. Buddhima Indraratna on "Application of Geo-inclusion for sustainable rail infrastructure under Increased axle loads and higher speeds" illustrate detail modelling experiments in the laboratory with successful practical application on felid. Prof. William Powrie explains the importance of fibre reinforcement in rail applications. Prof. Helmunt F. Schweiger's explain about numerical models for the study of geotechnical problems. Prof. Anand J. Puppala talked about the ettringite generation when sulfate soil is going to stabilized with lime and cement and the remedial measures for the problems. Prof. J.P. Giroud explained the canal lining with the help of geomembranes with and without concrete lining. In parallel sessions the topics presented by the different presenter from the different countries were interesting. In the area of stabilisation of expansive soils and sustainable pavement engineering, the researcher presented different solutions with laboratory experimental and their practical use. Microstructural change in soil by using chemical stabilisation got my interest and going to help me in my research work for stabilisation of expansive soils with Corex Slag. The discussion during my presentation in the session of was useful with the participants and as well as with chairpersons Prof. Aminaton Marto and Prof. Suzan Saad. The whole conference was a useful, informative and inspiring experience for me. I am grateful to ISSMGE foundation to give me the financial assistance to attain this prestigious conference.



Figure 1. A glimpse of presentation by a keynote speaker



Figure 2. During my presentation in the conference

Radha J. Gonawala S V National Institute of Technology, Surat, Gujarat, India

Event Diary

ISSMGE EVENTS

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

2019

13th Australia New Zealand Conference On Geomechanics 2019

Date: 01-04-2019 - 03-04-2019

Location: Perth Convention and Exhibition Centre, Australia

Language: English

Organiser: Australian Geomechanics Society

Contact person: Conference Managers Arinex Pty Ltd

Address: 3/110 Mounts Bay Road

Phone: +61 8 9486 2000 Fax: +61 8 9486 2000

Website: http://geomechanics2019.com.au/ Email: anzgeomechanics2019@arinex.com.au

Geotechnical Challenges In Karst

Location: Hotel Plaža Omiš, Omiš, Croatia

Date: 11-04-2019 - 13-04-2019 Language: Croatian/English

Organiser: Croatian Geotechnical Society

Contact person: Igor Sokolić Address: Nikole Pavića 11 Phone: +385 (0)91 301 2437

Email: igor.sokolic@geotehnicki-studio.hr; omis2019.hgd@grad.hr

Website: http://www.hgd-cgs.hr

Prague Geotechnical Days 2019

Location: Czech Academy of Science, Czech Republic, Prague

Date: 13-05-2019 - 14-05-2019

Language: English

Organiser: Czech and Slovak Society for Soil Mechanics and Geotechnical Engineering, SG Geotechnika,

Charles University - Faculty of Science

Contact person: David Mašín

Address: Charles University, Faculty of Science, Albertov 6

Phone: +420602384793

Email: david.masin@natur.cuni.cz

Website: http://www.issmge.cz/index.htm

Email: jana.frankovska@stuba.sk, david.masin@natur.cuni.cz, Zdenek.Sekyra@geotechnika.cz

4th International Conference "Transportation Soil Engineering in Cold Regions"

Location: St .Petersburg, Russia, Date: 20-05-2019 - 23-05-2019

Language: English

Organiser: Emperor Alexander I Petersburg State Transport University

Contact person: Anastasiia Konon

Address: 9, Moskovsky av, Phone: +7 (921) 795-58-57 Email: geotech@pgups.ru

Website: http://conf-geotech.wixsite.com/transoilcold2019

14th International Conference on Under-Ground Construction Prague 2019

Location: Clarion Congress Hotel Prague, Czech Republic

Date: 03-06-2019 - 05-06-2019

Languages: English & Czech (simultaneous translation provided)

Organiser: Czech Tunnelling Association, ITA-AITES

Contact person: Dr. Markéta Prušková

Address: Dělnická 12 Phone: +420 702 062 610

Email: pruskova@ita-aites.cz; ps2019@guarant.cz

Website: https://www.ucprague.com/

7 ICEGE 2019 - International Conference on Earthquake Geotechnical Engineering

Date: 17-06-2019 - 20-06-2019

Location: Rome, Italy Language: English

Organizer: TC203 and AGI (Italian Geotechnical Society)

Contact person: Susanna Antonielli

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

Phone: +39 06 4465569 Fax: +39 06 44361035

E-mail: agi@associazionegeotecnica.it

IS-Glasgow 2019 - 7th International Symposium on Deformation Characteristics of Geomaterials

Location: Technology and Innovation Centre (TIC) of the University of Strathclyde, United Kingdom,

Glasgow

Date: 26-06-2019 - 29-06-2019

Language: English Organiser: TC101

Contact person: Katharine Houston, University of Strathclyde

Email: geomaterials-symposium2019@strath.ac.uk Website: https://www.is-glasgow2019.org.uk

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

Date: 26-06-019 - 28-06-2019

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

Language: English Organizer: TC101

Website: in construction

7th Asia-Pacific Conference on Unsaturated Soils

Date: 23-08-2019 - 25-08-2019

Location: Nagoya Congress Center, Nagoya, Japan

Language: English

Organiser: Prof. Feng ZHANG - The Japanese Geotechnical Society. Supported by: TC106 Unsaturated Soils

of ISSMGE

Contact person: Dr. Hiromasa Iwai (Technical Secretary)

Phone: (+81) 052-735-7525 Fax: (+81) 052-735-7525

Email: ap-unsat2019@jiban.or.jp; iwai.hiromasa@nitech.ac.jp

Website: https://www.jiban.or.jp/e/activities/events/20190823-25-seventh-asia-pacific-conference-on-

unsaturated-soils/

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

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 Sitki 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

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 Sitki Kocman University, Engineering Faculty, Department of Civil Engineering, Kotekli,

Mugla, Turkey

Phone: +90 252 211 1942 Fax: +90 252 211 1912

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Event Diary (Con't)

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/

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

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: <u>15icge@uet.edu.pk</u>, <u>9aygec@uet.edu.pk</u>

2020

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

ISSMGE Bulletin: Volume 12, Issue 6

Event Diary (Con't)

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: <u>gee2020athens@gmail.com</u> Website: <u>https://www.gee2020.org</u>

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

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

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

NON-ISSMGE SPONSORED EVENTS

2019

Winter School on Geomechanics for Energy and the Environment

Location: Eurotel Victoria, Villars-sur-Ollon, Switzerland

Date: 22-01-2019 - 24-01-2019

Language: English

Organiser: Prof. Lyesse Laloui and Prof. Alessio Ferrari (Swiss Federal Institute of Technology Lausanne -

EPFL)

Contact person: Angelica Tuttolomondo (Ph.D. student - GETE 2019 organizing committee)

Address: Ecole Polytechnique Fédérale de Lausanne (EPFL) Laboratory of Soil Mechanics (LMS), Station 18

Phone: +41 21 69 32333 Email: gete-school@epfl.ch

Website: https://gete-school.epfl.ch/

International Conference on Geotechnics Fundamentals and Applications in Construction: New Materials, Structures, Technologies and Calculations (GFAC 2019)

Location: Saint Petersburg State University of Architecture and Civil Engineering, Russia, Saint Petersburg

Date: 06-02-2019 - 08-02-2019 Languages: Russian, English

Organiser: Saint Petersburg State University of Architecture and Civil Engineering

Contact person: Dmitry Sapin (associate professor of Department of Geotechnics, Saint Petersburg State

University of Architecture and Civil Engineering)

Address: Saint Petersburg State University of Architecture and Civil Engineering 4 2-ya Krasnoarmeiskaya

Str., 190005, Saint Petersburg, Russia Email: <u>Conference2019-SPBGASU@yandex.ru</u> Website: http://geoconf2019.spbgasu.ru/en

XXV. Széchy Károly Memorial Session

Location: Hungarian Academy of Sciences, Budapest, Hungary

Date: 08-02-2019 - 09-02-2019 Language: Hungarian, English

Organiser: Hungarian Geotechnical Society

Contact person: Tamas Huszak Address: Muegyetem rkp. 3.

Email: info@geotechnikaiegyesulet.hu

Website: http://www.geotechnikaiegyesulet.hu

National Transport Infrastructure Workshop (NTIW) 2019

Location: Pullman Sydney Hyde Park, Australia

Date: 13-02-2019 - 14-02-2019

Language: English

Organiser: Australia Research Council Industry Transformation Training Centre for Advanced Technologies

in Rail Track Infrastructure Contact person: Helen Jiang

Address: Northfields Ave Wollongong University of Wollongong

Phone: +61 2 42392364
Email: helenj@uow.edu.au
Website: https://ntiw.com.au
Email: ntiw-2019@uow.edu.au

Intensive Short-Course on "Energy Geostructures: Analysis and Design" - 2nd Edition

Location: Lausanne, Switzerland, Date: 06-03-2019 - 08-03-2019

Language: English

Organizer: Swiss Federal Institute of Technology in Lausanne (EPFL)

Contact person: Formation Continue UNIL-EPFL Address: EPFL Innovation Park Bâtiment E

Email: formcont@unil.ch

Website: http://www.formation-continue-unil-epfl.ch/en/formation/energy-geostructures-analysis-design/

Email: alessandro.rottaloria@epfl.ch

International Conference on Advances in Structural and Geotechnical Engineering 2019

Location: Hurghada, Egypt Date: 25-03-2019 - 28-03-2019

Language: English

Organiser: Structural Engineering Department - Tanta University - Egypt

Contact person: Prof. Marawan Shahien

Address: Faculty of Engineering, Tanta University

Phone: +201005117064

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

Website: http://www.icasge.com/

2nd International Intelligent Construction Technologies Group Conference

Date: 23-04-2019 - 25-04-2019

Location: Beijing Hotel, Beijing, China Language: English and Mandarin

Organiser: International Intelligent Construction Technologies Group (IICTG)

Contact person: George Chang (President of IICTG)

Address: 6111 Balcones drive

Phone: 5124516233

Email: gkchang@TheTranstecGroup.com

Website: http://www.iictg.org/2019-conference/

2nd International Conference on Natural Hazards and Infrastructure

Location: Minoa Palace Resort, Chania, Greece, Chania

Date: 23-06-2019 - 26-06-2019

Language: English

Organiser: The Innovation Center on Natural Hazards and Infrastructure

Contact person: Dr. Rallis Kourkoulis

Address: Efesou 15 Phone: +30 210 6721798 Email: secretary@iconhic.com Website: https://iconhic.com/2019/

EUROCLAY, Paris 2019: Geotechnical characterisation of clayey geomaterials from micro to

macroscale: the role of microstructure and anisotropy

Location: Pierre & Marie Curie University, Sorbonne Universités, Paris, France

Date: 01-07-2019 - 05-07-2019

Language: English

Organiser: French Clay Group (GFA), part of the European Clay Groups Association (ECGA)

Contact person: Prof. Philippe Cosenza Email: philippe.cosenza@univ-poitiers.fr

Website: https://euroclay2019.sciencesconf.org

Email: euroclay2019@sciencesconf.org

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

Website: 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 Website: http://www.dfi.org

Email: staff@dfi.org

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.ba
Website: http://www.geotehnika.ba/

2020

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

Phone: 19734234030 Fax: 19734234031 Email: tengler@dfi.org Website: http://www.dfi.org

Email: staff@dfi.org

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 English

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

Phone: 19734234030 Fax: 19734234031 Email: tengler@dfi.org Website: http://www.dfi.org

Email: staff@dfi.org

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

Email: uzuoka.ryosuke.6z@kyoto-u.ac.jp

Website: http://wlf5.iplhq.org/ Email: secretariat@iclhq.org

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

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



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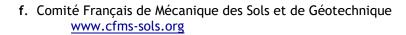


d. The Chinese Institution of Soil Mechanics and Geotechnical Engineering - CCES www.geochina-cces.cn/en



e. Korean Geotechnical Society www.kgshome.or.kr







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



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/

- 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
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