



International Society for Soil Mechanics and Geotechnical Engineering

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ISSMGE Heritage Time Capsule – 3 Years on

The way forward

There are three important aspects that the readers of this article need to keep in mind.

The HTC team is working towards improving the visibility, accessibility, and useability of the HTC, including incorporating search facilities. We believe the HTC will be a unique offering in the geotechnical engineering community.

To hold true to conventions on time capsules, and to create interest from a broader group of individual members, there may be a physical expression of the HTC created, displayed, and stored in a prominent place for a very long period.

The HTC experience of the individual members of the ISSMGE is at the heart of the HTC project. An important subset of these individuals is the 'Discoverer' who documents their insights and observations for the benefit of others.

1. Aims

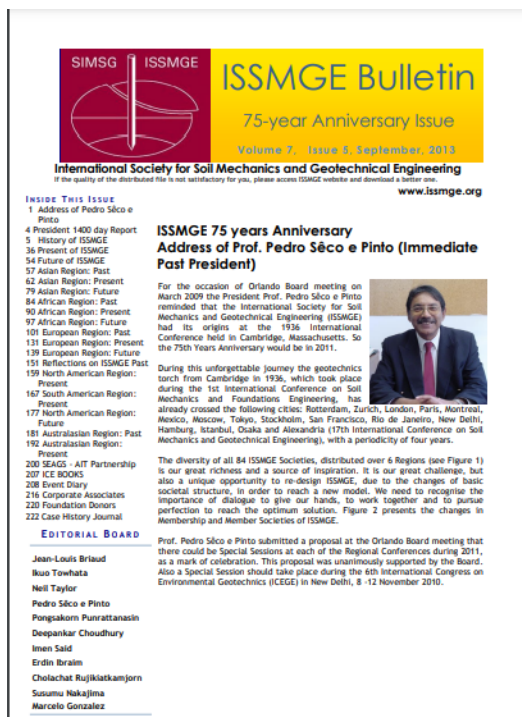
The ISSMGE Heritage Time Capsule (HTC) is a collection of contributions from individuals and groups belonging to the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE). These contributions aim at showing the history of the Society and its present goals. It is designed to be useful for the present and future generations of geotechnical scientists and engineers. The contributions are all in electronic format, including video recordings, commented slide presentations, text documents and articles.

The construction of the HTC and the discussions are aimed at creating a collective experience and triggering conversations among many of the present individual members of the ISSMGE. Our aspiration is that this experience and the discussions that are provoked will be useful for future generations, by presenting contemporary issues and suggesting possible ways forward for addressing them.

ISSMGE Heritage Time Capsule (Con't)

2. Background

The ISSMGE 75 years Anniversary publication¹ (cover page below) is the culmination of work initiated by Pedro Pinto, ISSMGE President, 2005 to 2009, and contains in over 200 pages a remarkable series of articles by key persons², of the history, present and future of ISSMGE, and articles covering past, present and future of the regions. This work marks a comprehensive and highly successful attempt to capture the spirit of the ISSMGE and its activities at that time, and may be considered a forerunner to the work on the present HTC project.



In 2013, from an idea initiated by current ISSMGE President, Marc Ballouz, a physical container (a photo above) which will house key material pertaining to geotechnical engineering and then be 'buried' for a period of 150 years was exhibited at the Paris international conference, 18th ICSMGE (2013). In the words of past president Jean-Louis Briaud, (2009 to 2013),³

"While the final decision is still in the air, here is what we have in mind. Each society would have the opportunity to place one small item in a barrel size container which would be the time capsule. This time capsule would be kept in a secure place and opened in 150 years. Please bring your ideas, your items to Paris for an exciting discussion of how to optimize this time capsule project."

The current initiative for a time capsule was proposed at the March 2020 Board meeting, with a view for this (time capsule) to be updated in the subsequent presidential terms leading to 2036, the 100th anniversary of the 1st International Conference on Soil Mechanics and Foundation Engineering. This initiative was immediately supported by the then President, Charles Ng (2017 to 2022), and an initial task committee, part drawn from the Board and part from persons nominated by members of the Board was assembled to develop

¹ ISSMGE Bulletin, Volume 7, Issue 5, September, 2013

² In order of appearance, Pedro Sêco e Pinto, Jean-Louis Briaud, Kenji Ishihara, Michele Jamiolkowski, Imen Said, Za-Chieh Moh, Askar Zhussupbekov, N.H. Priyankara, Peter Day, Samuel U. Ejezie, Trevor Green, H. Brandl, Ivan Vanicek, Joost Bredevelde, Norbert R. Morgenstern, Gabriel Auvinet, R.E. Terzariol, Jennifer E. Nicks, Harry G. Poulos, Michael C R Davies, and A.S. Balasubramaniam

³ ISSMGE Bulletin, Volume 7, Issue 4, July 2013, page 16, PRESIDENT 1370 DAYS REPORT

ISSMGE Heritage Time Capsule (Con't)

the concept. The Task force members were as follows: Juan Ayala, Marc Ballouz, Ceres Chung*, François Depardon, Alessandro Flora, Laura Kerner, Osamu Kusakabe, Charles MacRobert*, Sukumar Pathmanandavel* (lead), Menzer Pehlivan, Harry Poulos, Philip Robbins, Alejo Sfriso, Roberto Terzariol, Ikuo Towhata, and Fabio Tradigo. In late 2020, Alessandro Flora nominated Emilio Bilotta* to take his place in the task committee. Also in late 2020, those marked here with * became a 'design team', to take forward the outcomes of the work of the task committee. By the end of 2020, the design team had grappled successfully with the difficult and abstract concept of 'time capsule' and successfully aligned and committed itself to a practical, workable, and virtual time capsule to be hosted on the ISSMGE web page.

The following year, 2021, saw high levels of communication with the Technical Committees, Member Societies and Corporate Associates, as well as members from the YMPG liaisons. Several online meetings were set up by the design team with the various cohorts to present time capsule material and the nature and type of contributions required from members of each cohort. Grateful acknowledgement is given here for the strong and visible support at these meetings of the ISSMGE Vice Presidents (2017 to 2022), being Etienne Marcelin Kana, Africa, Eun Chul Shin, Asia, Philip Robbins, Australasia, Mario Manassero, Europe, Tim Newson, North America, and, Alejo Sfriso, South America and the (past) Chair of the TOC, Pierre Delage, and Chair of the CAPG Peter Day. Chair of YMPG (2017 - 2022), Lucy Wu provided valuable support through directing the activities of the YMPG Liaisons, and through creation of an extremely well attended series of online YMPG seminars on the Future of Geotechnics, and an edited presentation recording is available as YMPG's offering on the HTC webpage.

Invaluable leadership and support were provided by past presidents, Pedro Pinto (2005 to 2009) and Roger Frank (2013 to 2017) to initiate and secure contributions from past presidents and/or their champions, who provided material on behalf of the past presidents.

In 2022, the tempo of activity in the time capsule rose to a new high level in the 4 months leading up to the ISSMGE quadrennial international conference in Sydney in May 2022 (20th ICSMGE). Over 70 individual items were uploaded to the virtual time capsule, available for viewing by anyone. These uploads were primarily made up of contributions by past presidents and other key persons, Member Societies, and Technical Committees. The Sydney conference organisers kindly provided the HTC design team with an opportunity to provide a 1-hour plenary session to launch the time capsule, and a video recording of the complete session can be viewed on the HTC webpage.

The new Board of the ISSMGE (2022 - 2026), led by President Marc Ballouz, has over the past 11 months, invested significant time to better design and present the time capsule to enhance the benefits to the ISSMGE community. The project is now retitled, "Heritage Time Capsule" or HTC in short. In the President's and the Board's view, HTC needs to have the freedom to reorganise, assimilate, and incorporate many ideas. To this end, a few key initiatives are being developed and more on these will be presented in due course.

Furthermore, work is underway to host HTC sessions at the five regional mid-term conferences; in 2023, Australasia (Cairns, Australia)⁴, and Asia (Astana, Kazakhstan)⁵, and in 2024, Europe (Lisbon, Portugal), Africa, and Pan-American (La Serena, Chile). The HTC session at the ANZ2023 conference will be a parallel session of 90 minutes duration, and will explore the role of academics in the Australasian contributions to the HTC project, and focus on education of the next generation of geotechnical engineers along with the current state of geotechnical engineering programs in Australia and New Zealand universities.

⁴ ISSMGE Bulletin, Issue 16, Vol 6, Dec 2022, pages 1 & 2, ISSMGE Heritage Time Capsule, What you can do for geo-engineering education in Australia and New Zealand

⁵ ISSMGE Bulletin, Issue 17, Vol 1, Feb 2023, pages 1 & 2, ISSMGE Heritage Time Capsule

ISSMGE Heritage Time Capsule (Con't)

17th Asian Regional Conference on Geotechnical Engineering (17ARC)

The main theme of the 17ARC is Smart Geotechnics for Smart Societies. The HTC session organized at the 17ARC shall provide individual members of the ISSMGE from the Asia nations and technical committee members an opportunity to review and reflect on the contributions regarding their reflection on geotechnical achievements.

The format of this session will consist of a combination of short talks delivered by the representatives from the member societies, who will outline the current concerns and barriers. A panel discussion is organized after the talks to involve senior and young members and live feedback from the audience. The talks and discussions from this HTC session will then be further developed to derive some strategic goals within the current ISSMGE Presidential term (2022-2026), and required actions against each of the goals shall be documented and shared with the member societies. (Selected extracts from an article in the ISSMGE Bulletin, Issue 17, Vol 1, Feb 2023, pages 1 & 2)

3. The Team

It is now just over 3 years since the present journey on the time capsule started, and it is noteworthy that all the members of the 2020 design team have continued to work on the project, and we have other additional team members, as advisors and lead liaisons for the HTC sessions.

Advisers - Pedro Pinto, ISSMGE Past President (2005 - 2009), Roger Frank, ISSMGE Past President (2013 - 2017) and Harry Poulos, Senior Consultant, Tetra Tech Coffey

Design Team - Charles MacRobert, Senior Lecturer, Stellenbosch University, Emilio Bilotta, Associate Professor, University of Naples Federico II, Ceres Chung, Senior Project Engineer at ByrneLooby, and Sukumar Pathmanandavel, HTC Project Lead

HTC Sessions - Australasia - Golnaz Alipour, Lecturer, Civil Engineering Program Lead, Macquarie University, Asia - Mingliang Zhou, Associate Professor, Tongji University, Europe - Pedro Pinto, ISSMGE Past President (2005 - 2009), Africa - Akua Asantewaa Akosah-Yentumi, Geotechnical & Tailings Engineer, WSP and Pan-American - Hugo Acosta Martinez, Discipline Lead, Ground Engineering, BG&E Resources.

We take this opportunity to acknowledge the help and support provided by various members of the ISSMGE Board and Board Level Chairs and Board project leads. In relation to the HTC sessions at regional conferences, the support from corresponding local organising committees is recognised.

4. Current Situation

The HTC is hosted in the ISSMGE website, in a tab under the Society section (<https://www.issmge.org/the-society/time-capsule>). The HTC presently has a relatively simple construction, with a synopsis, followed by contributions arranged in three parts, Parts A, B and C. Contributions can be viewed by clicking on red tabs which state 'view contribution'. There is also a news and contact section.

At present, Part A contains the contributions of 29 Member Societies (MSs) from a total of 90, 15 Technical Committees (TCs), from a total of 37, and 9 Corporate Associates, from a total of 42 (as at 2022). The HTC team is working with the various cohorts of the ISSMGE to obtain and host the remaining contributions in the HTC webpage.

ISSMGE Heritage Time Capsule (Con't)

We acknowledge ISSMGE Member Societies and Technical Committees who have contributed to the HTC

Thank you to the 29 Member Societies!

Africa: South Africa, **Asia:** China, Chinese Taipei, Japan, Kazakhstan, Malaysia, South Korea, Sri Lanka **Australasia:** Australia, New Zealand, **Europe:** Austria, Finland, France, Greece, Italy, North Macedonia, Norway, Portugal, Romania, Russia, Switzerland, Turkey, United Kingdom, **North America:** Canada, Mexico, United States, **South America:** Argentina, Brazil, Colombia

Thank you to the 15 Technical Committees!

Fundamentals: 101 Laboratory Testing, 103 Numerical Methods,
Applications: 201 Dykes and Levees, 202 Transportation Geotechnics, 203 Earthquake, 209 Offshore, 213 Scour and Erosion, 218 Reinforced Fill Structures, 219 System Performance,
Impact on Society: 301 Historic Sites, 302 Forensic, 304 Risk, 306 Geo education, 307 Sustainability
 309 Machine Learning

We will work closely with ISSMGE Member Societies and Technical Committees yet to contribute

61 Member Societies

Africa: Algeria, CTGA, Egypt, Ghana, Morocco, Mozambique, Nigeria, Sudan, Tunisia

Asia: Bangladesh, Hong Kong, India, Indonesia, Iran, Iraq, Kyrgyzstan, Lebanon, Mongolia, Nepal, Pakistan, Philippines, SEAGS, Singapore, Syria, Tajikistan, Thailand, Uzbekistan, Vietnam

Europe: Albania, Belarus, Belgium, Bosnia & Herzegovina, Bulgaria, Croatia, Cyprus, Czech & Slovak Reps, Denmark, Estonia, Georgia, Germany, Hungary, Iceland, Ireland, Israel, Latvia, Lithuania, Netherlands, Poland, Serbia, Slovenia, Spain, Sweden, Ukraine

South America: Bolivia, Chile, Costa Rica, Cuba, Guatemala, Paraguay, Peru, Venezuela

22 Technical Committees

Fundamentals: 102 In-situ Testing, 104 Physical Modelling, 105 Geo-mechanics, 106 Unsaturated Soils, 107 Topical Residual Soils

Applications: 204 Underground Construction, 205 Safety and Serviceability, 206 Observational Method, 208 Slope Stability, 210 Embankment Dams, 211 Ground Improvement, 212 Deep Foundations, 214 Soft Soils, 215 Geo-environmental, 216 Frost, 217 Land Reclamation, 220 Field Monitoring, 221 Tailing and Mine Wastes, 222 Geotechnical BIM and DT

Impact on Society: 303 Floods, 305 Megacities, 308 Energy Geotechnics

Part B contains contributions from 12 of the past Presidents (in green font below) of the ISSMGE or of their champions (there are 17 past Presidents from 1936 to 2022), as well as from several key persons, Regional Vice-Presidents, 2017-2022, and members of some Board Level Committees of the ISSMGE. Notably absent at present are contributions from those who have had firsthand knowledge of the ISSMGE presidents, K. Terzaghi, A. Casagrande, L. Bjerrum, and R.B. Peck. The HTC team is continuing to work on this aspect. Consider the vignette below (inset box) from an interview in 2009, as what we could have⁶.

⁶ ISSMGE Bulletin Volume 3, Issue 4, Dec 2009, pages 8 to 10, "Reminiscences Professor Milton Vargas Life and work of the most important living Brazilian geotechnical engineer", Interviewer: Mr Helvio Falleiros, journalist of Brazilian Society for Soil Mechanics and Geotechnical Engineering.

ISSMGE Heritage Time Capsule (Con't)

Presidents of ISSMGE

1936 - 1957 K. Terzaghi (USA)
 1957 - 1961 A. W. Skempton (UK)
 1961 - 1965 A. Casagrande (USA)
 1965 - 1969 L. Bjerrum (Norway)
 1969 - 1973 R. B. Peck (USA)
 1973 - 1977 J. Kerisel (France)
 1977 - 1981 M. Fukuoka (Japan)
 1981 - 1985 V. F. B. de Mello (Brazil)
 1985 - 1989 B. B. Broms (Singapore)
 1989 - 1994 N. R. Morgenstern (Canada)
 1994 - 1997 M. Jamiolkowski (Italy)
 1997 - 2001 K. Ishihara (Japan)
 2001 - 2005 W. Van Impe (Belgium)
 2005 - 2009 P.S. Sêco e Pinto (Portugal)
 2009 - 2013 J.L. Briaud (USA)
 2013 - 2017 R. Frank (France)
 2017 - 2022 C.W.W. Ng (Hong Kong)
 2022 - 2026 M. Ballouz (USA)

What happened when you came back to Brazil? (Interviewer)

Terzaghi came along with me to learn about residual tropical soils. He visited Consolação street's civil works, in São Paulo. His face's expression showed he was seeing something new for the first time. When I talked about peculiarities of these soils during his classes, Terzaghi used to show interest. But when he touched this soil for the first time, his face was more expressive than any verbal commentary. He was astonished. (Professor Milton Vargas)

Part C will be relaunched in 2023 for contributions from Discoverers. These are geotechnical scientists and engineers who are individual members of the ISSMGE Member Societies, who comment on given contributions and the future. In addition, the outcome of HTC sessions at the regional conferences will also be hosted in this section. Presently Part C hosts the 1 hr live recording of the time capsule plenary session at the Sydney conference, and contributions of three Discoverers, Asal Bidarmaghz, Australia, Choo Siung Chung, Malaysia and Monica Löfman, Finland (extracts from their reports presented below, refer to Part C for their full reports).



TCP Report – France



NATIONAL RESEARCH AND PROJECTS – HIGHLIGHTS

The French National Project Program aims to create new knowledge in civil and construction by regrouping researchers, engineering and construction companies.

CLOUTERRE I & II

Publication of the XP 94240 standard its transformation into the **European standard PR94270** in 2009 for soil nailing.

ASIRI

to publish "Recommendations concerning the implementation and design of embankments and slabs on soil reinforced with rigid inclusions".

COMMENTS:

What is the role of ISSMGE member societies in this type of projects – as a society not individuals? Geotechnical focused training centres (funded by governments and supported by member societies of ISSMGE) can be the future of research and training within ISSMGE.

Discoverer,
Asal Bidarmaghz,
Australia

ISSMGE Heritage Time Capsule (Con't)

Hellenic Society of Soil Mechanics and Geotechnical Engineering (HSSMGE)

What is included?	A showcase of geotechnical contributions to major projects in Greece.
URL	http://www.hssmge.gr/
Hashtags	#tunnels #dams #landslides #casehistories
Interesting	The showcase demonstrates the crucial roles that geotechnical engineering has played to understand tunnel, dam and landslide problems in Greece , and how Greek geotechnical engineers have contributed to the development of innovative solutions to many major, marquee projects .



Twin tunnel of Messolonghi River with berms above it stabilizing one landslide to the north (left side) and to the south (right side). Picture taken by drone from downstream of the river.



Kallikrinos tunnel



Crack and settlement (Athens-Thessaloniki highway)

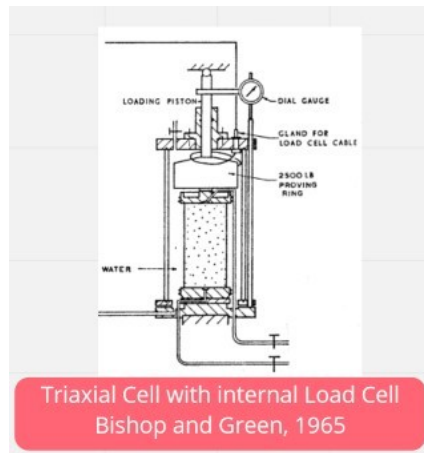


Marico Dam

Discoverer,
Choo Siung
Chung, Malaysia

Triaxial test and internal load cell

- I was very surprised to learn that the internal load cell was introduced as early as in 1965
- Internal load cell has one major advantage: because the load applied to the specimen is measured inside the triaxial cell, the friction between the piston rod and the cell does not affect the measured load
- When measuring small loads (e.g. soft clays and with low cell pressure), the accuracy with external load cell may pose challenges



Triaxial Cell with internal Load Cell
Bishop and Green, 1965

Discoverer,
Monica Löfman,
Finland



5. Request for Contributions

The number of contributions to the HTC has not increased significantly since the Sydney conference. There can be several reasons for this, including a lack of clarity of what the next steps are for the time capsule. Whatever the reasons, it should be clear to those who have read this far, that the ISSMGE Board is working to make the HTC a valuable resource for the ISSMGE and geotechnical community.

The Member Societies, Technical Committees and Corporate Associates who have not yet contributed can make a positive difference through their participation in the HTC. We also add that potential contributors now have many examples from peers in the HTC web page (Part A), and these may be helpful in coming up with your own offering.

The HTC Team will issue a call for Discoverers later in 2023.

ISSMGE Heritage Time Capsule (Con't)

6. Contact with the HTC Team

The contact tab on the ISSMGE HTC web page can be used to contact the HTC Team with your questions and thoughts about the HTC and preparation of the HTC contributions. We look forward to hearing from you. Important note - Notwithstanding anything mentioned in this article, the formal account of the HTC is as represented and updated in the ISSMGE HTC web page.

The ISSMGE HTC Team
28 April 2023

Message from member society

Sri Lankan Geotechnical Society

1. Project day

The Sri Lankan Geotechnical Society (SLGS) concluded another successful SLGS Project Day competition on April 20, 2023. This event was inaugurated in 2000, with the objective of promoting research and enhancing the writing and presentation skills of undergraduate students doing research projects in geotechnical engineering at Sri Lankan universities. It was held annually without interruption over the last 22 years. This year, there were 18 participants from five universities competing for the award, submitting a 4-6-page research paper and a 5-minute presentation.

A distinguished evaluation panel, consisting of six eminent professionals with doctorates in geotechnical engineering and industry expertise, evaluated the submissions. Panel members were Dr. Priyanath Ariyaratne, Dr. Manasi Wijerathna, Dr. Chathuri Arachchige, Dr. Avanthi Liyanage, Dr. Arivalagan Joseph, and Dr. Subhani Medawala. The winner was T. S. K. Fernando from the University of Ruhuna, who presented "Numerical Modelling of Gravel Compaction Piles in Soft Soil Under Drain Condition." The project was supervised by Dr. N. H. Priyankara. The runner up was R.J.K.P.N. Ranathunga from the University of Moratuwa, who presented "Rice Husk Ash for Soil Stabilization: An Analytical Study." This project was supervised by Dr. K.H.S.M. Sampath.

The event was graced by Dr. Marc Ballouz, President of the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE), who joined virtually despite the challenging time difference between the two countries. Other notable ISSMGE representatives in attendance were Dr. Anil Joseph, President of the Indian Geotechnical Society, and Dr. Sohail Kibria from the Pakistan Geotechnical Society (Fig. 1).



Dr. Anil Joseph, President Indian Geotechnical society commended the work done by the SLGS



Mr. Sohail Kibria, Vice President, Pakistan Geotechnical Society appreciating the participants

The winners received cash prizes and certificates, while all participants received a certificate of participation. The SLGS Project Day has undoubtedly served as a platform for academic excellence and innovation in the field of geotechnical engineering, and many past winners have proceeded to higher studies in the field of Geotechnical engineering and serving as academics and practitioners in many parts of the globe and Sri Lanka.

Message from member society

Sri Lankan Geotechnical Society (Con't)

2. Time capsule presentation

The Sri Lankan Geotechnical Society (SLGS) was formed in 1986 under the leadership of Prof. A. Thurairajah with the objective of providing a forum for disseminating new knowledge in the field of geotechnical engineering and promoting research. Over the last thirty-seven years of its existence, SLGS has worked on different fronts to meet its founding objective. Local conferences are conducted annually on different themes, and evening lectures are conducted monthly to share the experience of research and practice in the geotechnical engineering field. Technical visits are arranged for projects of geotechnical importance. SLGS has conducted three international conferences with the participation of renowned academics and practitioners from all over the globe in 2007, 2015, and 2021 (online).

Sri Lankan geotechnical engineers have overcome many challenges with a great degree of innovation and dedication in many infrastructure development projects in the country over the last few decades. Rain induced landslides associated with the picturesque hilly landscape in the country and soft alluvial and organic clays in the flood plains of the main rivers pose the greatest challenges.

The SLGS contribution to the ISSMGE Time Capsule includes some efforts made by Sri Lankan geotechnical professionals to reduce the risk of landslides in the country.

Conference report

ATC19 International Workshop on Geotechnical Engineering for Cultural Heritage, “Geo-Sakura2023”, April 15-16, 2023, Nara, Japan

The ATC19 International Workshop on Geotechnical Engineering for Cultural Heritage, also known as “Geo-Sakura2023”, was held on April 15-16, 2023, in Nara, Japan. This international workshop was organized by the Asian Regional Committee, International Society of Soil Mechanics and Geotechnical Engineering (AsRTC19: Chair Mai SAWADA, Assoc. Prof. Tokyo Institute of Technology, Secretary Yukiyasu FUJII, Prof. Meijo Univ.) to encourage the study of geotechnical engineering related to heritage monuments and historical sites in the Asian region.

The venue for the workshop was the Nara National Research Institute for Cultural Properties (NABUNKEN), which is the leading institution in Japan for research related to the Nara period, the Nara Palace, the Nara Capital, and immobile cultural heritage in general. Nara is the ancient capital of Japan during the 6th to 8th centuries, and it is known for its numerous temples, shrines, and historic sites. The workshop saw an overwhelming response from Asian countries with over 40 participants registering for the event. The international workshop was held as a hybrid conference, with both onsite and online participation. The workshop featured presentations and discussions on various topics related to geotechnical engineering and cultural heritage.

Date	Program
Day 1, April 15, 2023	Special Lecture (10:00-12:00) “Historical Cultural Heritage and Civil Engineering Technology, Characteristics of Soil Structures in the 6 th and 7 th Centuries” by Dr. Shinji SAIKO :Chief Cultural Asset Section, Asuka Village, Nara (break) Site Visits (13:30-17:00) Kengoshizuka Tumulus Kitora Tumulus Welcome reception (18:30-21:00)
Day 2, April 16, 2023	(9:00 - 15:00) Workshop Session 1 Chair Prof. E. C. Shin Session 2 Chair Prof. M. Mimura (break) Session 3 Chair Prof. A. Zussupbekov

On the first day, Dr. Yoshinori Iwasaki from the Geo-Research Institute delivered the opening remarks, followed by a special lecture by Dr. Saiko Shinji on “Historical Cultural Heritage and Civil Engineering Technology, Characteristics of soil structures in the 6th and 7th Centuries”. The participants then went on a field excursion to Asuka Village, Nara, where they visited important historical sites such as the Kengoshizuka Tumulus, and Kitora Tumulus Area. A gala dinner was held later in the day.

The second day of the workshop was divided into three sessions, each headed by Prof. E. C. Shin, Prof. Mamoru Mimura, and Prof. Askar Zhussupbekov, respectively. A total of 18 papers were presented, covering various topics related to geotechnical engineering and the conservation of cultural heritage, including principles of conservation, investigations and monitoring, maintenance strategies, and case histories. The proceedings of the workshop were inaugurated by Prof. Yukiyasu Fujii, Secretary of Geosakura 2023. (Source: <https://drive.google.com/file/d/1pIXwel-Smg4tDAhomLwpjK5rBVlj13Kg/view>).

Conference report (Con't)

ATC19 International Workshop on Geotechnical Engineering for Cultural Heritage, “Geo-Sakura2023”, April 15-16, 2023, Nara, Japan

The “Geo-Sakura2023” International Workshop on Geotechnical Engineering for Cultural Heritage was a successful event that brought together experts in the field of geotechnical engineering and cultural heritage preservation. It also served as a platform for researchers and practitioners in the field of geotechnical engineering to network and collaborate. The discussions and presentations shared during the workshop will contribute to the ongoing efforts to preserve and protect the world’s cultural heritage sites for future generations. The next ATC19 technical session will be held at the 17th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering during 14-18 August 2023, Astana, Kazakhstan.



Geo-Sakura 2023 workshop at the Nara National Research Institute for Cultural Properties



Technical visit to Kengoshizuka Tumulus

Conference report (Con't)

ATC19 International Workshop on Geotechnical Engineering for Cultural Heritage, "Geo-Sakura2023", April 15-16, 2023, Nara, Japan



At Nara Garden with Sakura Blossoms: Kazakhstan geotechnical delegation.



Technical tour to Osaka Castle

ISSMGE Foundation Reports

Coupled subsurface winter school 2023, organized by the “Center for Modeling of Coupled Subsurface Dynamics”, University of Bergen (UiB), from March 13-17, 2023, at Vossestrand (Norway). The prime objectives of this workshop were to disseminate computational and experimental techniques and address challenges in the storage of CO₂ in the subsurface.

The instructors include Prof. Hamdi Tchelepi (Stanford University), Prof. Rainer Helmig (University of Stuttgart), Prof. Maarten V. de Hoop (Rice University), Prof. Jan Martin Nordbotten (University of Bergen), and Dr. Jakub (University of Bergen). The 5-day program covered a wide range of topics, from the social and economic effects to the use of high-performance computer simulations and machine learning in CO₂ storage projects. Deliberations from the field and industry experts include Dr. Volker Oye (Applied Seismology, NORSTAR), Dr. Sarah Gasda (Research Director, NORCE), and Dr. Francois Hamon (Senior Research Scientist, TotalEnergies) on the topics of induced seismicity, offshore CO₂ storage, and a case study on the Northern Lights project. The participants include early-stage researchers and doctorate candidates from Imperial College London, the University of Stuttgart, the University of Bergen, Herriot Watt University, TU Delf, and Indian Institute of Technology Kanpur.

The fundamental goal of the winter school is to address the imminent and massive task of CO₂ storage from geomechanics standpoint by employing multiphase and multiscale inclusive simulation techniques that account for gas flow hydrodynamics, subsurface mechanical deformation, and phase changes due to thermal gradients and chemical reactions as well. The focus is also on developing faster solvers to handle large-scale coupled boundary value problems while keeping computation time and resources under control. Sessions on scientific writing and policy-making group tasks on the CO₂ storage project have given insights into the nuances anticipated for the project's acceptance and success in public and academic discourse.

The workshop provided a fertile environment for the exchange of ideas with academic and industry experts in both formal and informal discussions. Interactions among participants with diverse academic backgrounds (applied mathematics, reservoir engineering, earth sciences, and geotechnical engineering) aided in gaining a broader view of the multi-faceted nature of underground storage. The coupled subsurface winter school-2023 has succeeded in its vision of enriching young minds with technical knowledge while also sowing the seeds for future geoscience research toward the global goal of carbon neutrality. The school has also been an outstanding opportunity to learn about the cultural backgrounds of participants from all over the world.



Attendees at coupled subsurface winter school



Lecture by Prof. Hamdi Tchelepi

*Kamal Nanda
Indian Institute of Technology Kanpur India*

ISSMGE Foundation Reports (Con't)

The UNSAT2023 Conference was a top notch integrated conference on unsaturated soil mechanics. Held at Milos Island “The Island of Bentonite” and hosting renowned pioneers and practitioners in the unsaturated soil mechanics field. The conference had attendees from different parts of the world and addressed various theoretical and practical topics, such as:

- Fundamental Soil Behavior
- The effect of climate change on the environment and infrastructure through unsaturated soil behavior
- Advances in testing techniques, methods and equipment
- Unsaturated soil mechanics in the preservation and pathology of historic monuments
- Slope stability & landslides
- Foundations

The keynote speeches were outstanding and the panel discussion addressed very important controversial issues for teaching unsaturated soil mechanics to university students.

The parallel sessions were very professionally managed and most of the presenters provided detailed information and insights on their research and findings. The conference sessions addressed very complex and detailed issues related to unsaturated soil mechanics. Nevertheless, having presenters and attendees from different backgrounds (researchers and practitioners) provided an excellent balance between theory and practice. This can be clearly noticed from the themes of the sessions as well as presentations titles.

The organizers did a very good job putting together this even in such an excellent order, where the conference was preceded by introductory courses for non-specialists, and the sessions' themes were put in such clever order, from theoretical aspects to applied aspects to case studies and historical lessons, and finally field visits. During the conference many social events and discussions took place at various occasions, enriched our knowledge and helped sharing experience.

It was indeed an outstanding and enriching experience and the lessons learned from this conference will have a remarkable impact on myself and hopefully on my entire research team at my home institute. Would like to thank the ISSMGE Foundation Trustees for the generous award and would like to express my sincere gratitude to the conference organizing committee as well for offering a complimentary registration.



Opening Session Chairs: Michael Bardanis, George Belokas



A panel discussion chaired and moderated by Marina Pantazidou; Panelists: Sandra Houston - John McCartney - Alessandro Tarantino

Ibrahim Mashhour

Arab Academy for Science, Technology and Maritime Transport (AAST), Egypt

Event Diary

ISSMGE EVENTS

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

2023

Prague Geotechnical Days on "Cyclic Loading of Geotechnical Structures"

Location: Prague, Czech Republic,

Dates: 22-05-2023 - 23-05-2023

Organiser: Czech and Slovak Society for Soil Mechanics and Geotechnical Engineering, Charles University, SG Geotechnika a.s.

Contact person: David Masin

Address: Albertov 6

Phone: +420602384793

Email: masin@natur.cuni.cz

Website : <http://www.issmge.cz/PGD.htm>

Underground Construction Prague 2023

Location: Clarion Congress Hotel Prague, Prague 9, Czech Republic

Dates: 29-05-2023 - 31-05-2023

Language: English

Organiser: The Czech Tunnelling Association ITA-AITES

Contact person: Czech Tunnelling Association ITA-AITES

Address: Koželužská 2450/4

Phone: +420 702 062 610

Email: pruskova@ita-aites.cz / masin@natur.cuni.cz

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

17th Danube - European Conference on Geotechnical Engineering

Location: Ramada Parc, Bucharest, Romania

Dates: 07-06-2023 - 09-06-2022

Language: English

Description

Organiser: Romanian Society for Geotechnical and Foundation Engineering

Contact person: Ernest Olinic

Address: Bvd. Lacul Tei 124

Email: srgf@utcb.ro

Website: <http://www.17decge.ro>

9th International Congress on Environmental Geotechnics

Location: Chania, Crete island, Greece,

Dates: 25-06-2023 - 28-06-2023

Language: English

Organiser: Chair: Dimitrios Zekkos, University of California at Berkeley ; zekkos@berkeley.edu

Contact person: Dr. Rallis Kourkoulis

Email: rallisko@grid-engineers.com

Website : <https://www.iceg2022.org/>

Event Diary (Con't)

Numerical Methods in Geotechnical Engineering 2023

Location: Imperial College London, United Kingdom

Dates: 26-06-2023 - 28-06-2023

Language: English

Organiser: Imperial College London

Contact person: numge2023@imperial.ac.uk

Website: <http://imperial.ac.uk>

17th Asian Regional Geotechnical Engineering Conference

Location: Astana, Kazakhstan

Dates: 14-08-2023 - 18-08-2023

Language: English Organiser: Kazakhstan Geotechnical Society

Contact person: Ms. Bibigul Abdrakhmanova

Address: 2, Satpayev Street, Eurasian National University, Geotechnical Institute

Phone: +7-7172- 344796 Fax: +7-7172-353740

Website: <https://17arc.org/>

Email: info@17arc.org

4th International Symposium of Machine Learning and Big Data In Geoscience

Location: Cork, Ireland, Ireland

Dates: 29-08-2023 - 01-09-2023

Language: English

Organiser: University College Cork & TC309 Machine Learning and Big Data

Contact person: Abbey Conference & Events

Email: ismlg2023@abbey.ie

Website: <https://www.ismlg2023.com/>

Email: zili.li@ucc.ie

8th International Symposium on Deformation Characteristics of Geomaterials

Location: Faculty of Engineering, University of Porto, Portugal ,

Dates: 03-09-2023 - 06-09-2023

Language: English

Organiser: TC101-ISSMGE, endorsed by SPG and FEUP

Contact person: Cristiana Ferreira

Address: FEUP-DEC, Rua Dr. Roberto Frias, s/n

Phone: (+351)225081752

Email: is-porto2023@fe.up.pt

Website: <http://www.fe.up.pt/is-porto2023>

SUT OSIG 9th International Conference, “Innovative Geotechnologies for Energy Transition”

Location: Imperial College London, UK,

Dates: 12-09-2023 - 14-09-2023

Language: English

Organiser: TC209; Society for Underwater Technology, Offshore Site Investigation & Geotechnics Committee

Contact person: Jacqui Adams

Address: SUT, HQS Wellington, Victoria Embankment, London WC2R 2PN:

Email: osig2023@sut.org

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

Event Diary (Con't)

11th International Conference on Scour and Erosion (Icse-11)

Location: Scandic Copenhagen hotel, Copenhagen, Denmark,
Dates: 09-09-2023 - 21-09-2023 English
Organiser: ICSE-11 organizing committee
Contact person: ICSE-11 Secretariat: c/o CAP Partner
Address: Nordre Fasanvej 113 DK-2000 Frederiksberg Denmark
Phone: +45 70 20 03 05
Fax: +45 70 20 03 15
Email: info@cap-partner.eu
Website : <https://icse11.org/>
Email : info@cap-partner.eu

International Conference on “Case Histories in Geotechnical Engineering” & 4th AsRTC6 Urban Geoen- gineering Symposium

Location: Pullman Jakarta Central Park, Indonesia , West Jakarta
Dates: 25-09-2023 - 28-09-2023
Language: English
Organiser: Universitas Katolik Parahyangan - Indonesia, Universiti Teknologi Malaysia - Malaysia, National
Taiwan University of Science and Technology - Taiwan, National Chung Hsing University (NCHU),
Contact person: Aswin Lim, Ph.D
Address: Jl. Ciumbuleuit 94, Bandung, West Java, Indonesia
Email: geocase2023@gmail.com
Website : <http://www.geocase2023.com>
Email : geocase2023@gmail.com

Charles-Augustin Coulomb : A Geotechnical Tribute

Location: Paris, France
Date : 25-09-2023 - 26-09-2023
Language : English
Organiser: CFMS (French Committee for Sols Mechanics and Geotechnical Engineering
Contact person: CFMS Insavalor
Address: 66, Boulevard Niels Bohr
Email: cfms.secretariat@geotechnique.org
Website :
<https://www.cfms-sols.org/organisees-par-le-cfms/charles-augustin-coulomb-geotechnical-tribute>

3rd International Symposium on Energy Geotechnics SEG23

Location : Lijm en Cultuur Monumental Site , Delft, Netherlands
Dates : 03-10-2023 - 05-10-2023
Language : English
Organiser: TC-308 in cooperation with TU Delft and Eindhoven University of Technology
Contact person: Delft University of Technology
Email: Seg23@tudelft.nl
Website : <https://seg23.dryfta.com/>

Event Diary (Con't)

The Second Mediterranean Symposium on Landslides

Location: Hammamet (Tunisia) ,

Dates: 05-10-2023 - 07-10-2023

Language: English

Organiser: Civil Engineering Laboratory (National Engineering school of Tunis, Tunis El Manar University).

Contact person: Fakher HAMROUNI

Address: Route de gabes km 7.5 Bougacha

Phone: 27283919

Email: fakher.hamrouni@gmail.com

Website: <https://mssl-2023.webnode.fr>

Email: medsymplandslides23@gmail.com

First International Conference on Geotechnics Oo Tailings and Mine Waste

Location: Ouro Preto, State of Minas Gerais, Brazil,

Dates: 24-10-2023 - 26-10-2023

Language: English

Organiser: TC221 and Brazilian Geotechnical Society

Contact person: Fernando Schnaid

Phone: +51 3084 4040

Email: fschnaid@gmail.com

Website: <https://geominouopreto.com.br/2023/icgtmw2023/>

Email: rverdugo@cmgi.cl

21st Southeast Asian Geotechnical Conference And 4TH AGSSEA Conference (SEAGC-AGSSEA 2023)

Location: Centara Grand & Bangkok Convention Centre, CentralWorld, Bangkok Thailand;

Dates: 25-10-2023 - 27-10-2023

Language: English

Organiser: Thai Geotechnical Society and Southeast Asian Geotechnical Society

Contact person: Apiniti Jotisankasa

Address: Department of Civil Engineering, Kasetsart University

Email: fengatj@ku.ac.th

Website : <https://seagcagssea2023.com/>

Email : seagc2023@gmail.com

2nd International Conference on Construction Resources for Environmentally Sustainable Technologies

Location: Fukuoka International Congress Center, Fukuoka, Japan

Dates: 20-11-2023 - 22-11-

Language: English

Organiser: Kyushu University

Contact person: Secretariat of CREST 2023

Address: Room No. 1124, West Building 2, Kyushu University 744 Motooka, Nishi-ku, Fukuoka, Japan

Phone: +81 092-802-3369

Email: info@ic-crest.com

Website: <https://www.ic-crest.com/>

Event Diary (Con't)

The 5th International Conference on Geotechnics for Sustainable Infrastructure Development

Location: National Convention Center (NCC), Hanoi, Vietnam,

Dates: 14-12-2023 - 15-12-2023

Language: English

Organiser: FECON Corporation, Vietnamese Society for Soil Mechanics and Geotechnical Engineering (VSS-MGE), Japan Geotechnical Society (JGS), Thuyloi University (TLU), and Vietnam Petroleum Institute (VP

Contact person: Tien-Dung NGUYEN

Address: FECON, 15th Floor, CEO Tower, HH2-1 Lot, Me Tri Ha Urban Area, Pham Hung Street, Me Tri Ward, Nam Tu Liem District, Hanoi

Phone: + 84 903 440 978

Fax: + 84 246 269 0484

Email: secretariat@geotechn.vn

Website : <https://geotechn.vn/>

2024

GEO-CONGRESS 2024

Location: Fairmont Waterfront, Vancouver, BC, Canada,

Dates: 25-02-2024 - 28-02-2024

Language: English

Organiser: Geo-Institute of the American Society of Civil Engineering (G-I of ASCE)

Contact person: ASCE registration

Email: registrations@asce.org

Website : <https://www.geocongress.org/>

Email : registrations@asce.org

8th International Conference on Earthquake Geotechnical Engineering

Location: Osaka International Convention Center, Osaka, Japan

Dates: 07-05-2024 - 10-05-2024

Language: English

Organiser: Japanese Geotechnical Society

Contact person: Ryosuke UZUOKA

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

11th International Symposium of Geotechnical Aspects of Underground Construction in Soft Ground (IS-Macau 2024)

Location: Macao SAR, China,

Dates: 14-06-2024 - 17-06-2024

Language: English

Organiser: State Key Laboratory of IoT for Smart City (IoTSC) , Department of Civil and Environmental Engineering (University of Macau) and TC204 of the ISSMGE

Contact person: ZHENG GUAN

Address: Faculty of Science and Technology University of Macau, E11 Avenida da Universidade, Taipa, Macau, China

Phone: +85388229153

Fax: (853) 8822-2426

Email: ismacau2024@um.edu.mo

Website : <https://is-macau2024.skliotsc.um.edu.mo>

Event Diary (Con't)

7th International Conference on Geotechnical and Geophysical Site Characterization

Location: Campus Nord UPC, Barcelona, Spain

Dates: 18-06-2024 - 21-06-2024

Language: English

Organiser: UPC-CIMNE

Contact person: CIMNE Congress Bureau

Address: Campus Nord UPC Building C1 - Office C4 C/ Gran Capità, S/N

Phone: +34 93 405 4694

Email: isc2023secretariat@cimne.upc.edu

Website: <https://isc7.cimne.com/>

14th International Symposium on Landslides 2024

Location: Le Manège Congress Center, France , Chambéry

Date : 07-07-2024 - 12-07-2024

Language English

Organiser: JTC1 and national societies CFMS/CFGI/CFMR/INDURA/IREX/USMB

Contact person: Véronique Merrien - François Nicot

Email: contact@isl2024.com

Website : <https://www.isl2024.com/>

XVIII European Conference on Soil Mechanics and Geotechnical Engineering

Location: Lisbon, Portugal

Dates: 25-08-2024 - 30-08-2024

Language: English

Organiser: SPG

Contact person: SPG

Address: Av. BRASIL, 101

Email: spg@lnec.pt

Website: <http://www.spgeotecnia.pt>

4th International Conference of International Society for Intelligent Construction (ISIC 2024)

Location: DoubleTree by Hilton Hotel Orlando at SeaWorld, United States

Date: 10-09-2024 - 12-09-2024

Language: English

Organiser: International Society for Intelligent Construction (ISIC)

Contact person: Patte Hahn

Address: 2857 Jolly Road

Phone: +1 (517) 432-8220

Email: hahnp@egr.msu.edu

Website : <https://www.is-ic.org/conferences/2024-isic-international-conference/>

IS-Grenoble 2024: International Symposium on Geomechanics from Micro to Macro

Location: Maison MINATEC, Grenoble, France

Dates: 23-09-2024 - 28-09-2024

Language : English

Organiser: TC105 Geo-Mechanics from Micro to Macro

Contact Information

Contact person: Cino Viggiani

Email: cino.viggiani@3sr-grenoble.fr

Website : <https://is-grenoble2024.sciencesconf.org/>

Email: is-grenoble2024@sciencconf.org

Event Diary (Con't)

XVII Panamerican Conference on Soil Mechanics and Geotechnical Engineering

Location: Pucón, Chile

Dates: 12-11-2024 - 17-11-2024

Languages: Spanish - English

Organiser: Chilean Geotechnical Society (SOCHIGE)

Contact person: Omar Núñez Esper

Address: San Martín 352, Santiago

Email: info@panamgeochile2024.cl

Website: <https://panamgeochile2024.cl>

5th International Conference on Transportation Geotechnics

Location: Sydney Masonic Centre, 66 Goulburn Street Sydney NSW 2000 Australia

Dates: 20-11-2024 - 22-11-2024

Language: English

Organiser: UTS Transport Research Centre (<https://www.uts.edu.au/research/transport-research-centre>)

Contact person: Dr Chamindi Jayasuriya

Address: 15 Broadway

Email: chamindijayasuriya@gmail.com

Website: <http://www.ictg2024.com.au>

Email: Cholachat.Rujikiatkamjorn@uts.edu.au

2026

21st International Conference on Soil Mechanics and Geotechnical Engineering

Location: Vienna, Austria

Dates: 14-06-2026 - 19-06-2026

Language: English

Organisers: Austrian Geotechnical Society and Austrian Society for Geomechanics

Contact person: Prof. Helmut F. Schweiger

Email: helmut.schweiger@tugraz.at

NON-ISSMGE SPONSORED EVENTS

8th International Conference on Debris Flow Hazard Mitigation

Location: Politecnico di Torino, Turin, Italy

Dates: 26-06-2023 - 29-06-2023

Language: English

Organiser: Politecnico di Torino, Italy

Contact person: Symposium Srl

Address: via Gozzano 14

Phone: +39 011 921 14 67

Email: info@symposium.it

Website : <http://www.dfhm8.polito.it>

Email: dfhm8@symposium.it

Event Diary (Con't)

XX Technical Dam Control International Conference

Location: Hotel Diament Arsenal Palace, Chorzów Poland

Dates: 12-09-2023 - 15-09-2023

Language: English

Organiser: Warsaw University of Technology

Contact person: Agnieszka Dąbska

Address: Nowowiejska st., 20

Phone: +48 234 74 53

Fax: +48 22 825 29 92

Email: tkz.ibs@pw.edu.pl

Website : <http://www.tkz.is.pw.edu.pl>

12th International Conference on Geosynthetics

Location: Auditorium Parco della Musica, Rome, Italy

Dates: 18-09-2022 - 22-09-2022

Language: English

Organiser: Associazione Geotecnica Italiana - Italian Chapter of IGS

Contact person: Susanna Antonielli

Address: AGI-Viale dell'Università 11

Phone: +39 06 4465569

Fax: +39 06 44361035

Email: info@12icg-roma.org

Website: <http://www.12icg-roma.org>

DFI 48th Annual Conference on Deep Foundations

Location: Seattle Convention Center, United States

Dates: 31-10-2023 - 03-11-2023

Language: English

Organiser: Deep Foundations Institute

Contact person: Theresa Engler

Address: 326 Lafayette Avenue

Phone: 9734234030

Fax: 9734234031

Email: tengler@dfi.org

Website : <http://www.dfi.org/annual2023>

Email: events@dfi.org

7th International Conference Series on Geotechnics, Civil Engineering and Structures (CIGOS)

Location: Ho Chi Minh City, Vietnam

Dates: 04-04-2024 - 05-04-2024

Language: English

Organiser: Association of Vietnamese Scientists and Experts (AVSE Global) and University of Architecture

Ho Chi Minh City (UAH)

Contact person: cigos2024@sciencesconf.org

Email: cigos2024@sciencesconf.org

Event Diary (Con't)**International Foundation Congress and Equipment Expo**

Location: Hyatt Regency Dallas, United States

Dates: 07-05-2024 - 10-05-2024

Language: English

Organiser: DFI, ADSC, Geolnstitute of ASCE, PDCA

Contact person: Peggy Hagerty-Duffy

Address: PO Box 93583

Phone: (469) 359-6000

Email: phd@adsc-iafd.com

Website : <http://ifcee2024.com>

Email : adsc@adsc-iafd.com

The Third International Conference on Press-In Engineering 2024, Singapore

Location: University Town, National University of Singapore

Dates: 03-07-2024 - 05-07-2024

Language: English

Organiser: ICPE2024 Organizing Committee and International Press-in Association

Contact person: ICPE Organizing Committee / IPA Secretariat

Address: 5F, Sanwa Konan Bldg, 2-4-3 Konan, Minato-ku, Tokyo 108-0075, Japan

Phone: 81-0354611191

Fax: 81-0354611192

Email: tokyo@press-in.org

Website : <https://2024.icpe-ipa.org/>

DFI 49th Annual Conference on Deep Foundations

Location: Gaylord Rockies Resort & Convention Center, Aurora, United States

Dates: 07-10-2024 - 10-10-2024

Language: English

Organiser: Deep Foundations Institute (DFI)

Contact person: Angie Gibble

Address: 326 Lafayette Avenue

Phone: 1-973-423-4030

Email: agibble@dfi.org

Website: <http://www.dfi.org/annual2024>

Email: events@dfi.org

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

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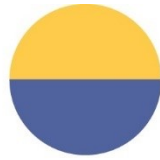


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Canada

Foundation Donors

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

- **Diamond: \$50,000 and above**

- a. ISSMGE-2010 <http://www.issmge.org/>



- b. Prof. Jean-Louis and Mrs. Janet Briaud
<https://www.briaud.com> and
<http://ceprofs.tamu.edu/briaud/>



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<http://www.i-igm.net/>



- b. Geo-Institute of ASCE
<http://content.geoinstitute.org/>



- c. Japanese Geotechnical Society
<http://www.jiban.or.jp/>



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



CISMGE-CCES

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



- f. Comité Français de Mécanique des Sols et de Géotechnique
www.cfms-sols.org



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- a. Prof. John Schmertmann

- b. Deep Foundation Institute
www.dfi.org



- c. Yonsei University
<http://civil.yonsei.ac.kr>



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- d. CalGeo - The California Geotechnical Engineering Association
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/zswenglish/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
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- p. Prof. Tadatsugu Tanaka

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

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- a. Prof. Mehmet T. Tümay http://www.coe.lsu.edu/administration_tumay.html
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- b. Nagadi Consultants (P) Ltd



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- c. Professor Anand J. Puppala
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