



International Society for Soil Mechanics and Geotechnical Engineering

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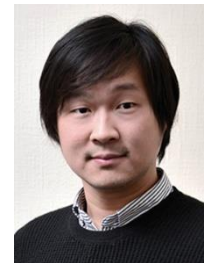
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Message from Editor-in-Chief Term report (May 2019 – Feb 2022)

Dear colleagues,

It's been my 5th year to serve the ISSMGE Bulletin in the capacity of Editor-in-Chief (EiC) since my tenure in October 2017. Following the closure of the 20ICSMGE held in Sydney, Australia between 1 and 5 May 2022, I would like to take this opportunity to share my term report submitted and presented at the ISSMGE Council Meeting, in order to summarise what the bulletin has achieved.



The bulletin is published bimonthly. During the report period, a total of 17 issues have been published.

The 17 issues have reported "*Research Highlights*" for the ISSMGE members to get to know more about the research activities from reputed geotechnical engineering research groups around the world, including *University of Tunis El Manar* (Tunisia; Vol(13), issue 3), *Institute of Geotechnical Engineering, ETH* (Switzerland, Vol(13), issue 5), *Kyoto University* (Japan, Vol(14), issue 1), *The University of New South Wales* (Australia, Vol(14), issue 2), *L. N. Gumolyov Eurasian National University* (Kazakhstan, Vol(14), issue 4) and *Saint Petersburg State University of Architecture and Civil Engineering* (Russia, Vol(15), issue 1).

Thanks to the close liaison of the editorial board members with conference organisers, the Bulletin serves as an effective platform for sharing highlights of some major international conferences in "*Conference reports*". The content includes conference programme, keynote/invited speakers, conference tour and social events.

The Bulletin also has a section called "*Young Member's Arena*", for allowing young members to share their latest research activities such as the one-day technical event entitled "*On the borderline between geotechnical and earthquake engineering*" reported by a young member of the French Society for Soil Mechanics and Geotechnical Engineering (CFMS) at Vol(13), issue 4).

Message from the Editor-in-Chief (Con't)

Term report (May 2019 – Feb 2022)

Activities organised by TCs of ISSMGE are reported under the section “*TC Corner*” in the bulletin. These include a new International Conference series on Embankment Dams organised by TC210 (Vol(13), issue 4), a joint TC304/309/210 workshop on “*Machine Learning Dialogue for Geotechnics*” (Vol(14), issue 1), an inauguration of the TC107 Symposium (Vol(14), issue 3), the first international administrative meeting of the TC305 (Vol(14), issue 3), the 5th ISSMGE Suzanne Lacasse Lecture organised by TC304 (Vol(14), issue 5), an International Online Symposium on Historical and modern applications in geotechnical engineering (Vol(14), issue 5), a report on an educational video “*What happens when soil compresses*” organised by TC306 (Vol(15), issue 1), a state-of-the-art review of inherent variability and uncertainty in geotechnical properties and models by TC304 (Vol(15), issue 2) and last but not least a joint TC304/309/210 workshop on “*3rd Machine Learning Dialogue*” (Vol(16), issue 1).

The Bulletin also publishes “*Board-Level Committee Activity*”. These include two reports written by the Corporative Associates Presidential Group (CAPG), one about an event held at the 17th ECSMGE, on an interesting session “*Bridging the gap between designers and constructors: how do we ensure effective ‘transfer’ of design into construction?*” (Vol(13), issue 5) and the other one on an event held at the 16th ARC called “*Are we overdesigning?*” (Vol(14), issue 1). A regional session report was also presented by the CAPG in Vol(14), issue 2 to summarise the observations on the event called ‘*Geo-education for the Future*’ held at the XVI Pan-American Conference on Soil Mechanics and Geotechnical Engineering.

The Bulletin also received five “*Reports from Member Society*”, including those from *Hong Kong Geotechnical Society* (Vol(13), issue 3 and Vol(15), issue 3), the *Geotechnical Society of Bosnia and Herzegovina* (Vol(13), issue 5), *British Geotechnical Association* (BGA; Vol(14), issue 4), *Chinese Taipei (Taiwan) Geotechnical Society* (Vol(15), issue 1) and *Polish and Kazakhstan Geotechnical Society* (Vol(15), issue 4).

With the new initiative of ISSMGE Time Capsule Project (TCP), the Bulletin offers a new platform for sharing articles of *TCP Blog* posts by five authors, Dr Charles MacRobert (Vol(15), issue 4), Dr Emilio Bilotta (Vol(15), issue 5), Ms Ceres Chung (Vol(15) issue 6), Dr Roger Estephan and Dr Grace Abou-Jaoude Estephan (Vol(16) issue 1) and Dr Marina Pantazidou (Vol(16) issue 2).

The Bulletin has a section called “*Hot news*”, which allows members to share major awards and achievements such as the 2021 Terzaghi’s Orator (Vol(14) issue 5), ISSMGE Spark Award (a new series created by the ISSMGE President for enabling young members to take the main stage at conference), call-for-papers, issues of new journals and books.

The Bulletin offers a platform for the awardees of ISSMGE foundation to share their experiences they have gained and learnt through the attendance of international conferences and workshops in a section called “*ISSMGE Foundation report*”.

In every issue, an updated “*Event Diary*” is provided closer to the end of the bulletin to advertise all ISSMGE- and non-ISSMGE-sponsored events (mainly conferences and workshops) that are registered in the ISSMGE website. Updated lists of “*Corporate Associates*” and “*Foundation donors*” are also given in every issue to acknowledge their financial support to the ISSMGE.

On behalf of the Editorial Board, I cordially invite you to contact your Member Society and share any interesting events/activities related to soil mechanics and geotechnical engineering in the Bulletin. I am sure our members will be interested in hearing your exciting news over the world. Feel free to get in touch via my email: ceanthony@ust.hk

Anthony Leung,

EiC of the ISSMGE Bulletin

Department of Civil and Environmental Engineering, Hong Kong University of Science and Technology, Hong Kong Special Administrative Region.

ISSMGE Time Capsule Project

News: TCP Blogs

Knowing of directly useful geotechnical research? Speak up!

Research in applied fields of practice, e.g. Engineering, Education, Medicine, aims to improve existing practices and create new ones. Such research is deemed to be useful if improvements and new practices are indeed being applied. Hence, the litmus test for the direct usefulness of research projects in applied fields is whether their results have been used in practice.

This test can be performed by asking for their input the intended recipients of the research results, i.e. engineering consultants and contractors, instructors, physicians. Strangely, although the need for performing usefulness tests has been recognized (Sullivan et al., 2014), reporting on test outcomes is scarce (Fraser et al., 2018).

The purpose of this communication is to bring to the fore research papers directly useful to the practice of geotechnical engineering and geotechnical engineering education.

If you are a geotechnical engineering practitioner or a geotechnical engineering educator and you have used research results published in the literature by a third party unrelated to you, click on this link to share with us the reference of the published research and describe briefly which specific results you have incorporated in a project (for geotechnical engineering) or a course (for geotechnical engineering education).

If you are a geotechnical engineering researcher and the results of your research have been incorporated in state, national or international codes/regulations, please respond, provided that the research has not been commissioned nor funded by the agency promulgating the code/regulation. Click on this link to share with us the research publications with the findings incorporated in the codes/regulations, as well as references to the codes/regulations, and explain to us the relationship of what is stipulated in the code/regulation to your research findings.

This blog focused on three strong ideas: i) directly useful research is research being used in practice (engineering practice or teaching); ii) the intended recipients of research are the ultimate arbiters of its direct usefulness; iii) dissemination of directly useful research should be promoted. Hence, this survey. Speak up and reply to this blogpost. Share examples of useful research with your colleagues and help close the gap between state of art and state of practice. In order to keep the focus on research results deemed useful by third-party users, please avoid sending research results produced and applied by the same or a related research team or co-produced by industry-academia teams or commissioned/funded by regulatory agencies.

About the author:



Marina Pantazidou is the ISSMGE-TC306 (Geo-Education) Chair and associate professor at the National Technical University of Athens, Greece. Her 30-year professional experience includes university appointments in the US and Greece and work in hazardous waste consulting. Her research topics are drawn from environmental geotechnics and engineering education.

TC corner

TC305 meeting

At the end of March, Professor of the Department of "Civil Engineering", Director of the Geotechnical Institute, President of the Kazakhstan Geotechnical Society, Chairman of the Technical Committee of the TC 305 ISSMGE, Doctor of Technical Sciences Askar Zhussupbekov visited of the Geo-Congress, 2022 in Charlotte, USA. He participated in the poster section together with Prof. Viktor Kaliakin (University of Delaware, USA) and PhD Student Askar Yessentaev (L.N.Gumilyov ENU) with a scientific report "Comparative Analysis of Static and Dynamic Pile Tests in Difficult Soil Conditions". Prof. Askar Zhussupbekov also held in Geo-Congress, in Charlotte a meeting of the technical committee TC305 «Geotechnical infrastructure of megacities and new capitals». The agenda of the meeting included information about the activities of TC305 in ISSMGE, the future vision and development plans in ISSMGE, an invitation to the participants of the meeting of the technical section of TC305 in 20ICSMGE, which will be held in May 2022 in Sydney (Australia), an invitation to the 17th Asian Regional Conference on Geotechnics, which will be held on August 14-18, 2023 in Nur-Sultan (Kazakhstan), the rules for the admission of new TC305 members from the Geo-Institute. More than 30 participants from USA, Kazakhstan, South Korea, Germany, China attended the meeting.

At during time of TC305 meeting was invited of the keynote presentation by Prof. Rolf Katzenbach (Technical University of Darmstadt, Germany) with topic «Foundations of Megacity Frankfurt am Main, Germany». In discussion session after lecture participated Dr. Boo Hyun Nam (University of Central Florida), Dr. Hui Wang (University of Dayton), Mr. Ian Vaz (Giken America Corp.) and Dr. Ph. student Park Kyungwoon (University of Central Florida and Incheon National University).

Professor Askar Zhussupbekov also visited Purdue University (Lafayette) and the University of Illinois (Chicago) in the USA, where he gave lecture for PhD Students and postdoctoral research group of Professor Krishna Reddy. In Columbia University (New York, USA) Prof. Askar Zhussupbekov discussed with Prof. Hoe Ling about development of collaboration on internship program with Dr. Ph. Students of ENU. Professor Askar Zhussupbekov invited American colleagues to take part in the 17th Asian Regional Conference on Geotechnical Engineering, which will be held in Nur-Sultan (Kazakhstan) on August 14-18, 2023.

Prof. Hoe Ling (from Department of Civil Engineering and Engineering Mechanics of Columbia University, NYC, USA) as Vice-Chair of TC 305 (ISSMGE) invited of Prof. Dr.-Ing. Rolf Katzenbach (German Geotechnical Society) as invited lecturer to Donald M. Burmister Lecture with topic: The Foundation of High-Rise Buildings with CO₂-minimized Foundation Technology (zoom information: <http://www.columbia.edu/cu/civileng/ling/burmister>) at April, 28, 2022 (16:30-17:30 EDT), Room 633, S. W. Mudd (Columbia University, New York, USA) by hybrid format.



Photo 1 - Participants of Geo-Congress from left to right: Prof. Andrew J. Whittle (Massachusetts Institute of Technology, USA), Prof. Askar Zhussupbekov (ENU, Kazakhstan), Prof. Chu Jian (Nanyang Technological University, Singapore)



Photo 2 - Group photo with geotechnical team of Prof. Krishna Reddy (University Illinois, Chicago, USA)

TC corner

TC107 Tropical Residual Soils: restabilishment

Under the new leadership by Dr Ahmed F. Chraibi (Chair), Prof. Marcos M. Futai (Vice Chair) and Prof. Anthony K. Leung (Secretary), the committee of Tropical Residual Soils (TRS), TC107, was reestablished in September 2021 after several years of low activity. Dr Chraibi is also a core member of a technical committee on the same subject under International Commission of Large Dams (ICOLD), and endeavours to synergise the efforts between the two societies. A list of new Terms of References has been proposed (<https://www.issmge.org/committees/technical-committees/fundamentals/tropical-residual-soils>).

Since the re-establishment, the first kick-off virtual meeting was held on 25th Nov 2021. 17 (out of 22) active affiliated members had attended the meeting (Fig. 1). In addition, the Chair of the Technical Oversight Committee, Prof. Pierre Delage, Prof. Bernardo Caicedo from Bogota, Columbia and Prof. Manoel C. Neto, Brasilia, Brazil also participated in the meeting.

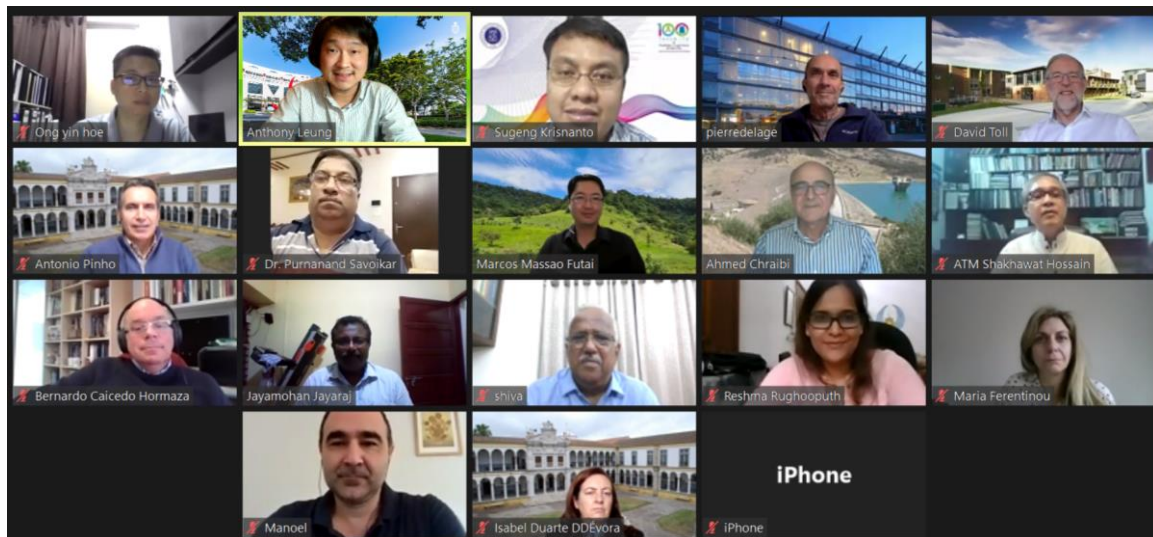


Figure 1. Group photo during the first kick-off meeting of TC107

All participating members introduced themselves about the expertise and focus on the research and practice in TRS. This was followed by a thorough group discussion of the newly proposed Terms of References (ToR). The Chair highlighted several key aims and objectives that he envisaged how the activities and the presence of TC107 can contribute to the large community of soil mechanics and geotechnical engineering. Potential collaboration with other TCs (e.g. TC104 Physical Modelling and TC106 Unsaturated Soils) was discussed, given some similar research interest shared among these committees.

The second part of the meeting was a sharing of the state-of-the-art research work in TRS and engineering challenges and practice in TRS-related infrastructure over different parts of the world. In total, seven presentations were delivered by the TC107 members (Table 1), followed by a discussion on the scientific issues and challenges associated with TRS. Some key features that have not been attended in the scientific literature (e.g. geo-chemistry of TRS) have been highlighted as the future focus of research. After the meeting, Prof. David Toll of Durham Uni., U. K. shared the TC members on an important and relevant piece of publication of a manual chapter on TRS by the Institute of Civil Engineers (ICE).

Table 1. A summary of speaker and title of presentation

Speaker	Title
R. Shankar	Lateritic soils in peninsular India
P. Savoikar	lateritic soils in Goa
A. Leung	Thermo-hydro-mechanical behavior of unsaturated residual soil
D. Toll	Bonded behaviour
S. Hossain	Liquefaction Risk Assessment At World's Largest Rohingya Refugee Camp of Ukhia, Cox'sbaza
M. Futai	Tropical climate conditions and disasters due to landslides
A. F. Chraibi	Failure of Xe-Pian Xe-Namnoy dams in Laos,

Conference reports

3rd Russian Forum of Geotechnical Forum

The III Russian Forum of Geotechnical Engineers, organized by the National Association of Designers and Prospectors (NOPRIZ), Gersevanov Research and Design Institute of the foundations and underground structures, the Lomonosov State University and Sergo Ordzhonokidze State University for Geological Prospecting, was held at the Moscow State University of Civil Engineering (National Research University) on October 21-22, 2021 in Moscow, Russia. The Forum brought together more than 250 academic scientists, researchers and research scholars from all over the world - Russia, USA, Kazakhstan, South Korea, Japan, Taiwan, India, Iraq and Bolivia. The Russian Society for Soil Mechanics, Geotechnics and Foundation Engineering took an active part in the business and scientific program of the Forum.

The full program of the Forum encompassed more than 100 reports organized into five plenary sessions. The discussed topics were as follows:

1. Geotechnical challenges encountered in the infrastructure development process
2. Digitalization in the engineering survey
3. Engineering investigation of the Arctic region
4. New equipment and new technologies for engineering research works
5. The development of the regulatory framework for engineering investigation
6. Conformity assessment, quality control and in-situ control of the engineering investigation
7. Scientific and practical aspects of the currently available methods for design, construction and testing of foundations in complex soil conditions
8. Scientific aspect of the engineering investigation
9. Engineering education in the field of geological and geotechnical research.



Photo 1. The opening ceremony

Conference reports

3rd Russian Forum of Geotechnical Forum (Con't)

Leading researches took part in plenary sessions as invited lecturers:

- Eun Chul Shin - Professor Emeritus of Incheon National University (South Korea), Vice-President of ISSMGE for Asia: ***Safety assessment for underground structures and its countermeasure***
- Akira Hasegawa - Professor Emeritus of Hachinohe Institute of Technology (Japan): ***Current status, inspection, maintenance, and longevity plan for Japanese bridges***
- Kishor Kumar - Ph.D, Maccaferri Environmental Solutions Pvt. Ltd. (India): ***Resilient highway infrastructure vs landslides in the Indian Himalayan region***
- Yoshinori Iwasaki - Ph.D., Dr.Eng. Director of Geo-Research Institute (Japan): ***Hidden fault displacements under Osaka plain and anticipated surface deformation in the next earthquake***
- Mahdi Karkush - Professor of Civil Engineering Department University of Baghdad (Iraq): ***Investigation the impacts of nano materials on the micromechanical properties of gypseous soils***
- Der-Wen Chang - Professor of Tamkang University (Taiwan): ***Performance of single barette under lateral loads***
- Victor Kaliakin - Professor of University of Delaware (USA): ***Load capacity of geosynthetic encased soil columns bearing on a compressible soil layer***
- Keh-Jian Shou - Professor of National Chung-Hsing University (Taiwan): ***Back-calculation for verifying parameters in deep excavation: an application in Taichung, Taiwan***
- Maria Terceros - M.Sc., Executive Director at INCOTEC SA (Bolivia): ***Construction and testing at the same time: new technologies in deep foundations***
- Askar Zhussupbekov - Professor of Department Civil Engineering at L.N.Gumilyov Eurasian National University (Kazakhstan): ***Geotechnical considerations of piling construction and testing in problematical soils of Kazakhstan***
- Oleg Shulyatiev - D.Sc., Deputy Director of N.M. Gersevanov Research Institute of Bases and Underground Structures NIIOSP (Russia): ***Features of geotechnical and engineering-geological surveys in the development of the territory for the construction of high-rise buildings***
- Daria Shubina - Senior Lecturer, Department of Engineering Geology, Russian State Geological Exploration University named after Sergo Ordzhonikidze (Russia): ***Issues of interaction between design and survey organizations on the example of construction of large linear objects***
- Ankit Garg - Professor of Shantou University, Shantou (China): ***Exploring carbon sink material in geo-environmental engineering infrastructure***
- Dmitry Chunyuk - PhD, Head of the Department of Soil Mechanics and Geotechnics, National Research University of Moscow State University of Civil Engineering (Russia): ***Comparative analysis of static and dynamic testing of piles in complex soil conditions of Kazakhstan***
- Rafael Sharafutdinov - PhD, Leading Researcher, Sector of Geotechnics of Linear Underground Structures, N.M. Gersevanov Research Institute of Bases and Underground Structures NIIOSP (Russia): ***Consideration of piles work on the side surface in rocky soils***

Conference reports

3rd Russian Forum of Geotechnical Forum (Con't)



Photo 2. Plenary session

The Forum ended with an award presentation. Professor Eun Chul Shin (South Korea) was awarded by Gershanov Medal for research, design and technological developments that culminated in the creation of new advanced regulatory documents in the field of design and construction, as well as for his great contribution to the international cooperation in the field of geotechnics. The medal was established by the Russian Society for Soil Mechanics, Geotechnics and Foundation Engineering (RSSMGFE) in the honor of the outstanding Russian and Foreign scientists in the field of soil mechanics and foundation engineering.

In response, Professor Eun Chul Shin donated his geotechnical books to the RSSMGFE library.

The Forum also provided a platform for researchers, practitioners, and educators to present and discuss the most recent innovations, trends, and practical challenges in the field of geotechnical engineering. It contributed to the strengthening and extension of cooperation between Russian and Foreign specialists in the field of soil mechanics and engineering geology and those abroad.

Conference reports

XIX Technical Dam Control International Conference, Poland

On September 7-10, 2021, the XIX Technical Dam Control International Conference took place in Legnica (Poland). The Conference was organized by the Division of Hydro-Engineering and Hydraulics of the Faculty of Building Services, Hydro and Environmental Engineering, the Warsaw University of Technology. The KGHM Polska Miedź SA - Hydrotechnical Department, Dam Monitoring Center - National Service for Safety of Hydraulic Structures - Institute of Meteorology and Water Management - National Research Institute, the Institute for Applied Research, Warsaw University of Technology Ltd. and the Hydrotechnical Structures Division of the Committee on Civil Engineering and Hydroengineering of the Polish Academy of Sciences were the Conference co-organizers. The Conference was held in a hybrid structure for the first time because of the pandemic situation.

One hundred seventy participants from 15 countries took part in the Conference; hundred of them were offline participants. Due to covid restrictions, Poles were the largest group of participants. Still, over 30 participants represented countries such as Austria, Czech Republic, Germany, Great Britain, Italy, Kazakhstan, Lithuania, Romania, Russian Federation, Slovakia, Slovenia, Spain, Tanzania, Ukraine.



Fig. 1. Opening ceremony: Prof. Jan Winter / President of Scientific and Organizing Committee of TKZ2021 (left) and Prof. Paweł Popielski / Dean of the Faculty of Building Services, Hydro and Environmental Engineering, Warsaw University of Technology (right)

This year, due to the 25th anniversary of the operation of the Hydrotechnical Department of the KGHM Polska Miedź SA, the event was held under the title "Safety of Dams on Tailing Storage Facilities and Other Hydraulic Structures". A special session including six presentations and a technical trip was dedicated to a unique storage facility on a European and global scale - the Tailing Storage Facility "Żelazny Most".

The 60th anniversary of technical dam control in Poland was celebrated during the Conference. In a special technical session, the scientific achievements of the National Service for Safety of Hydraulic Structures - Institute of Meteorology and Water Management - National Research Institute were presented.

Three other technical sessions were dedicated to surveying, operation, and maintenance of hydraulic structures. The presented papers were related to water management, rehabilitation and modernization of hydraulic structures, new technologies in water engineering, modern measurement and monitoring techniques, and technical solutions for designed and constructed hydraulic structures. Among 15 technical key international presentations given in that sessions, there were:

- Peter Banzhaf "Rehabilitation of Aging Embankment Dams" from BAUER Spezialtiefbau GmbH, Germany,
- Paolo Mazzanti "InSAR & PhotoMonitoring™ for ground deformation monitoring" from the "Sapienza" University of Rome, Italy,
- John Metzger "Geotechnical monitoring and slope failure characterization through a combination of IoT and InSAR" from SkyGeo Inc., Germany,
- Juraj Škvarka "Water management system Liptovská Mara - Bešeňová versus extreme hydrological phenomena" from the Slovak University of Technology in Bratislava, Slovakia

Conference reports (Con't)

XIX Technical Dam Control International Conference, Poland

- Mateja Klun "Dynamic Monitoring as a Part of Structural Health Monitoring of Dams" from the University of Ljubljana, Slovenia,
- Tomáš Julínek "Proposed dam Skalička - conflicts and challenges" from the Brno University of Technology, Czech Republic,
- Timothy Mkilima "The influence of material characteristics on dam stability under rapid drawdown conditions" from the L.N. Gumilyov Eurasian National University, Kazakhstan,
- Aleksey Velichko "Influence of laboratory test methods for plastic concrete on the results of strength and deformation determination" from "Vedeneev VNIIG", JSC, Russian Federation,
- Tomáš Rudolf "Vibration and seismicity monitoring in dam control process" from VODNÍ DÍLA - TBD a.s., Czech Republic,
- Peter Panenka "Performance of technical and safety supervision within the project Innovation and modernization of locks of the Gabčíkovo Waterworks - Upgrade of Gabčíkovo locks" from VODOHOSPODÁRSKY PODNIK, štátny podnik, Slovak Republic,
- Andrej Kryžanowski "Evaluation of the environmental impacts and mitigation measures in hydropower production sector" from the University of Ljubljana, Slovenia.



Fig. 2. Online presentations of Prof. Paolo Mazzanti (left), the "Sapienza" University of Rome, Italy and PhD Student Timothy Mkilima (right) at the L.N. Gumilyov Eurasian National University, Kazakhstan



Fig. 3. Online presentations of Prof. Zbigniew Lechowicz / Vice-President of Polish Committee on Geotechnics (left) and Agnieszka Machowska, PhD / Vice-Dean for Studies the Faculty of Building Services, Hydro and Environmental Engineering, Warsaw University of Technology (right)

Papers submitted to the Conference are going to be published in the following journals: Archives of Civil Engineering (issues from 2022), Gospodarka Wodna (issues 9/2021 and 10/2021), Energetyka Wodna (issue 2/2021) and a special monograph published by the Institute of Meteorology and Water Management on the occasion of the XIX Technical Dam Control International Conference.

Conference reports (Con't)**XIX Technical Dam Control International Conference, Poland**

Organizing Committee invites to visit the Conference website: tkz.is.pw.edu.pl and encourages potential participants to participate in the jubilee 20th edition of the TKZ'2023 Conference in 2023 in Poland.

Papers:

The monograph can be downloaded free of charge from the Institute of Meteorology and Water Management website.

<https://www.imgw.pl/index.php/badania-nauka/publikacje-ksiazkowe/bezpieczenstwo-budowli-hydro-technicznych>

The E-issue of the Gospodarka Wodna is available on the journal's website.

<https://gospodarkawodna.net/>

The issue of 2/2021 of Energetyka Wodna is available on the journal's website.

<https://www.energetykawodna.info/pl/2021/>

Papers in the Archives of Civil Engineering will be published on the journal's website as open access.

<https://ace.il.pw.edu.pl/>

Links to be uploaded:

<https://tkz.is.pw.edu.pl/>

Conference reports

XXXI Italian National Conference on Geosynthetics Engineering, Bari, Italy

The XXXI Italian National Conference on Geosynthetics Engineering was held on 7 October 2021 in Bari alongside the large construction fair SAIE 2021. The event held for the first time in Bari gave excellent results both in terms of the number of registered participants and the quality of the presented papers. Moreover, the context of the SAIE Exhibition (the international reference point for the world of construction in Italy) enhanced the importance and impact of geotechnical and geosynthetic engineering presentations. This year the theme of the Conference was “Sustainability, Environmental aspects and Climate changes”.

The conference was organised by the Italian Geotechnical Society (AGI) and the Italian Chapter of the International Geosynthetics Society (AGI-IGS), in partnership with SAIE 2021 and SENAF.



The opening session

Nicola Moraci (President of AGI) , Daniele Cazzuffi (President of AGI-IGS) and Leonardo Damiani (Chair of the Civil, Environmental, Land, Building Engineering and Chemistry Department - Polytechnic of Bari) opened the conference that was divided - as usual - into two different sessions.

The morning session coordinated by Daniele Cazzuffi was focused on 'Sustainability and environmental aspects'. The first two contributions concerned the sustainable use of geosynthetics in landfills. The first one was the keynote lecture of Stefania Bilardi and Nicola Moraci on “The use of geosynthetics in the sustainable design of controlled landfill”. Daniele Cazzuffi and Piergiorgio Recalcatti presented the second lecture on the “Increase of the available volume in landfills using reinforced embankments”. Two contributions dealt with the role of geotechnical engineering and geosynthetics in the management of contaminated sediments: Claudia Vitone on the theme “From characterization to sustainable reuse of contaminated sediments: the role of geotechnical engineering in the mar Piccolo of Taranto” and Alberto Simini on the “Capping of contaminated sediments with active geocomposites”. Finally, the lecture of Domenico Gaudio on “Seismic design of geosynthetic-reinforced earth retaining walls following a performance-based approach” closed the morning session of the conference.

Nicola Moraci coordinated the afternoon session with four lectures focused on 'Sustainability and Climate changes'. The first two lectures dealt with the rules governing the environmental impacts of geosynthetics with the lecture of Alessandro Manzardo on “Made Green Italy to support environmental superiority of geotextiles and related products” and the lecture of Francesco Fontana on the “Environmental impact of geosynthetics: International researches and activity”. The last two presentations focused on specific applications of geosynthetics; the first one concerned “Geotextiles and their sustainable applications in alpine environment” of the authors A. Senese, B. De Felice, R. Ambrosini e G. Diolaiuti; the second one was the lecture of Pietro Rimoldi on the “Design of the bank protection against erosion of watercourses as a function of climate change”.

Conference reports

XXXI Italian National Conference on Geosynthetics Engineering, Bari, Italy

At the end of each session, a fruitful and interesting discussion on the different topics took place.



Group photo of the organising committee

Proceedings were edited by Daniele Cazzuffi, Nicola Moraci, and Claudio Soccodato. The volume (more than 100 pages) is in Italian with English abstracts and it is available at a cost by contacting Pàtron Editore at advertising@patroneditore.com.

The next XXXII Italian National Conference on Geosynthetics will be held on 20 October 2022 in Bologna alongside the large construction fair SAIE 2022 and also in view of the 12 ICG, the 12th International Conference on Geosynthetics that will be held in Roma from 17 to 21 September 2023 under the organization of the Italian Geotechnical Society (AGI) and the Italian Chapter of the International Geosynthetics Society (AGI-IGS) : www.12icg-roma.org

Daniele Cazzuffi
AGI-IGS President

Hot news

Call for abstracts: 2nd International Conference on Construction Resources for Environmentally Sustainable Technologies

The 2nd International Conference on Construction Resources for Environmentally Sustainable Technologies (**CREST 2023**) will be held during **November 20-22, 2023**, in **Fukuoka, Japan**, in a face-to-face format. The conference is organized by Kyushu University, together with University of Cambridge, Japan Society of Civil Engineers (JSCE), Japanese Geotechnical Society (JGS), ISSMGE Technical Committee (TC 307), ISSMGE Asian Regional Technical Committees (AsRTC1 and AsRTC3), and Global Society for Smart Geo-Sustainability (GLOSS).

Prospective authors are invited to submit abstracts in English on an A4-size page with no more than 400 words on the conference themes. The submission guidelines and template are available on the conference website (www.ic-crest.com).

The final date of abstract submission has been extended to **May 31, 2022**. To submit your abstract, please log in to <https://www.ic-crest.com/>

If you have any queries, please do not hesitate to contact us at info@ic-crest.com. We look forward to welcoming you to Fukuoka.

Event Diary

ISSMGE EVENTS

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

2022

3rd International Conference on Geotechnical Engineering - Iraq 2022

Location: University of Baghdad, Iraq

Dates: 17-05-2022 - 19-05-2022

Language: English

Organiser: Iraqi Scientific Society for Soil Mechanics and Foundation Engineering

Contact person: Mahdi O Karkush

Address: University of Baghdad, Aljadriah

Phone: 009647801058893

Email: mahdi_karkush@coeng.uobaghdad.edu.iq

Website: <https://ocs.uobaghdad.edu.iq/index.php/ICGEI/ticgei>

4th International Conference “Challenges in Geotechnical Engineering” CGE-2022

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

Dates: 01-06-2022 - 03-06-2022

Language: English, Ukrainian

Organiser: Kyiv National University of Construction and Architecture (Ukraine) and University of Zielona Gora (Poland)

Contact person: Viktor Nosenko, Vasyl Pidlutskyi, Liudmyla Skochko

Address: 31, Povitroflotsky ave., KNUCA, Kyiv, 03037, Ukraine

Phone: +38(097)3811265

Fax: +38(097) 381-12-65

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

Email: info@cgeconf.com

Online International Conference on Transportation Geotechnics

Online, Thiruvananthapuram, India

Dates: 01-06-2022 - 03-06-2022

Language: English

Organiser: LBS Institute of Technology for Women, Thiruvananthapuram, India

Contact person: Dr. Jayamohan J (Member TC 107, ISSMGE), Address: Professor, LBS Institute of Technology for Women, Phone: +919447017088, Fax: +914712343395,

Email: jayamohanj@lbsitw.ac.in;

Website: <http://lbt.ac.in/>

5th International Symposium on Cone Penetration Testing (CPT'22)

Location: Centro Congressi CNR, Bologna, Italy

Dates: 26-06-2022 - 29-06-2022

Language: English

Organiser: Italian Geotechnical Society (AGI) and University of Bologna (endorsed by TC102)

Contact person: Susanna Antonielli (AGI), Prof. Guido Gottardi (University of Bologna)

Email: guido.gottardi2@unibo.it; agi@associazionegeotecnica.it

Event Diary (Con't)

Geohazards 8

Location: Musée de la Civilisation, Quebec, Canada
Dates: 12-06-2022 - 15-06-2022
Languages: English and French
Organiser: Canadian Geotechnical Society Eastern Quebec Section
Contact person: Ariane Locat
Email: ariane.locat@gci.ulaval.ca;
Website: <https://geohazards8.ca/>
Email: info@geohazards8.ca

Geotechnical Engineering for the Preservation of Monuments and Historic Sites

Location: Naples, Italy
Date: 22-24 June 2022
Organizer: TC 301, AGI (Italian Geotechnical Society)
Contact person: Filomena de Silva
Email: secretary@tc301-napoli.org
Website: <http://www.tc301-napoli.org>

TC204: Geotechnical Aspects of Underground Construction In Soft Ground - TC204 Cambridge 2021

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

5th International Conference on New Developments in Soil Mechanics and Geotechnical Engineering

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

4th International Symposium on Frontiers in Offshore Geotechnics

Location: University of Texas, Austin, United States
Date: : 28-08-2022 - 31-08-2022
Language: English
Organizer: ISFOG 2020 Organising Committee
Contact person: Phil Watson
Address: The University of Western Australia
Phone: 0418881280
Email: phillip.watson@uwa.edu.au
Website: <http://www.isfog2020.org>

Event Diary (Con't)

11th International Symposium on Field Monitoring in Geomechanics

Location: Imperial College London, United Kingdom
Dates: 04-09-2022 - 08-09-2022
Organiser: TC220
Contact person: Dr Andrew Ridley
Email: andrew.ridley@geo-observations.com

International Workshop: Advances in Laboratory Testing of Liquefiable Soils

Location: Acapulco Hotel, Kyrenia, North Cyprus,
Dates: 16-09-2022 - 17-09-2022
Language: English
Organiser : TC101
Contact person: Satoshi Nishimura
Email: nishimura@eng.hokudai.ac.jp
Website : <https://nce2022.ktimo.org>

10th International Conference on Physical Modelling in Geotechnics

Location: KAIST, Daejeon, South Korea
Dates: 19-09-2022 - 23-09-2022
Language: English
Organiser: Korean Geotechnical Society (KGS)
Website: <http://icpmg2022.org/>
Email: secretariat@icpmg2022.org

11th International Conference on Stress Wave Theory and Design and Testing Methods for Deep Foundations

Location: De Doelen, Rotterdam, The Netherlands,
Dates: 20-09-2022 - 23-09-2022
Language: English
Organiser: Royal Netherlands Society of Engineers (KIVI)
Contact person: Angelique van Tongeren
Address: Prinsessegracht 23
Email: SW2022@kivi.nl
Website: <https://www.kivi.nl/afdelingen/geotechniek/stress-wave-conference-2022>

GEO-EXPO 2022 Scientific and Expert Conference - Prijedor, Bosnia and Herzegovina

Location: Hotel Prijedor, Prijedor, Bosnia & Herzegovina
Dates: 21-10-2022 - 22-10-2022
Languages: Bosnian, Croatian, Serbian, English
Organiser: Geotechnical Society of Bosnia and Herzegovina
Contact person: Sabrina Salković,
Address: Urfeta Vejzagića 2
Phone: +38761451701
Email: geotehnika@geotehnika.ba
Website: <https://www.geotehnika.ba>

Event Diary (Con't)

16th International Conference on Geotechnical Engineering,

Location: University of Engineering & Technology (UET) Lahore, Pakistan,

Dates: 08-12-2022 - 09-12-2022

Language: English

Organiser: Pakistan Geotechnical Engineering Society (PGES)

Contact person: Dr. Jahanzaib Israr

Address: Civil Engineering Department, University of Engineering & Technology (UET) Lahore (Main Campus), G.T. Road

Phone: 03344132808

Email: 16icge@uet.edu.pk

Website: <https://16icge.uet.edu.pk/>

2023

8th International Conference on Unsaturated Soils

Milos Conference Centre - George Iliopoulos, Milos Island Greece

Dates: 02-05-2023 - 05-05-2023

Language: English

Organiser: Hellenic Society for Soil Mechanics and Geotechnical Engineering (HSSMGE)

Contact person: Dr Michael Bardanis

Email: mbardanis@edafos.gr

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/>

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>

Event Diary (Con't)

17th Asian Regional Geotechnical Engineering Conference

Location: Nur-Sultan, Kazakhstan

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

Language: English

Organiser: Kazakhstan Geotechnical Society

Contact person: Ms. Bibigul Abdrakhmanova

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

Phone: +7-7172- 344796

Fax: +7-7172-353740

Email: milanbi@mail.ru

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>

28th European Young Geotechnical Engineers Conference and Geogames

Location: National Research Moscow State University of Civil Engineering, Russia, Moscow

Date: 04-10-2023 - 07-10-2023

Language: English

Organiser: Russian Society for Soil Mechanics, Geotechnics and Foundation Engineering

Contact person: PhD Ivan Luzin

Address: NR MSUCE, 26 Yaroslavskoye shosse

Phone: +7-495-287-4914 (2384)

Email: youngburo@gmail.com

Additional Information : <https://t.me/EYGEC2020>

Event Diary (Con't)**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/>

2024**XVIII European Conference on Soil Mechanics and Geotechnical Engineering**

Location: Lisbon, Portugal

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

Language: English

Organiser: SPG

Contact person: SPG

Address: Av. BRASIL, 101

Email: spg@lnec.pt

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

NON-ISSMGE SPONSORED EVENTS**2022****The Third International Conference on Environmental Geotechnology, Recycled Waste Materials and Sustainable Engineering**

Location: Dokuz Eylul University, Izmir, Turkey,

Dates: 17-06-2021 - 19-06-2021

Organiser: Dokuz Eylul University

Contact person: Tugce Ozdamar Kul

Address: Dokuz Eylul University

Phone: +905325164800

Email: egrwse2020@gmail.com

Website: <http://www.egrwse2020.com>

Fifth symposium of MAG / Second conference of regional geotechnical societies / ISRM specialized conference

Location: Ohrid Lake riviera, hotel Metropol, Ohrid, Macedonia

Dates: 23-06-2022 - 25-06-2022

Languages: English, South-slavic

Organiser: Macedonian Association for Geotechnics

Contact person: assoc. prof. Igor Peshevski

Address: blvd. Partizanski odredi No.24

Phone: +389 72 307 567

Fax: +389 2 311 88 34

Website: <https://mag.net.mk/v-mag-symposium-28-30-5-2020/>

Email: mag@gf.ukim.edu.mk

Event Diary (Con't)**16th International Conference of the International Association for Computer Methods and Advances in Geomechanics - IACMAG**

Location: Politecnico di Torino Conference Centre, Italy

Dates: 01-08-2022 - 02-09-2022

Language: English

Organiser: Politecnico di Torino

Contact person: Symposium srl

Address: via Gozzano 14

Phone: +390119211467

Email: info@symposium.it, marco.barla@polito.it

The Third International Conference on Environmental Geotechnology, Recycled Waste Materials and Sustainable Engineering

Location: Dokuz Eylul University, Izmir, Turkey

Dates: 16-06-2022 - 18-06-2022

Language: English

Organiser: Dokuz Eylul University

Contact person: Tugce Ozdamar Kul

Address: Dokuz Eylul University

Phone: +905325164800

Email: egrwse2020@gmail.com

Website: <http://www.egrwse2022.com>

50th Conference "Foundation Engineering",

Location: OREA Congress Hotel, Brno, Czech Republic, Brno

Date: 14-11-2022 - 15-11-2022

Language: Czech, English, Slovak

Organiser: Czech Geotechnical Society of the Czech Institution of Civil Engineers

Contact person: Dr. Daniel Jirasko

Address: Czech Technical University in Prague

Phone: + 420 604 683 509

Email: daniel.jirasko@fsv.cvut.cz

Website: <http://www.cgts.cz>

Email: ivan.vanicek@cvut.cz

15th International Conference UNDERGROUND CONSTRUCTION PRAGUE 2023

Location: Clarion Congress Hotel Prague, Czech Republic

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

Language: English

Organiser: Czech Tunnelling Association ITA-AITES

Contact person: SATRA, spol. s r. o.

Address: Pod Pekárnami 878/2

Phone: +420 702 062 610

Email: pspraha@satra.cz

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

Email: pspraha@satra.cz

Event Diary (Con't)

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>

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

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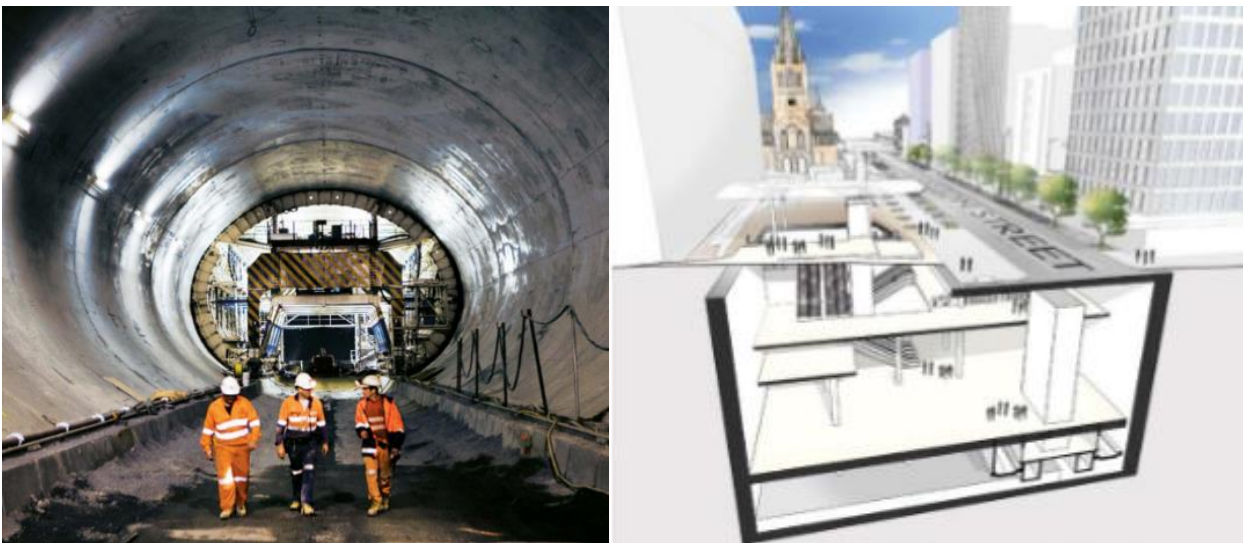
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- d. The Chinese Institution of Soil Mechanics and Geotechnical Engineering - CCES
www.geochina-cces.cn/en



CISMGE-CCES

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



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www.calgeo.org



- e. Prof. Ikuo Towhata
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- 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
<http://www.issmge.org/en/technical-committees/impact-on-society/163-forensic-geotechnical-engineering>

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



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