

Call for Abstracts and Conference Preview



GEO-RISK 2017

Geotechnical Risk from Theory to Practice

Denver, Colorado | June 4-6

6th International Symposium on Geotechnical Safety and Risk (ISGSR)

ABOUT DENVER

Denver is a major regional center that offers tremendous opportunities for a broad and inclusive conference in the area of geotechnical risk assessment, cutting across industry, government and academia.

The city is home to numerous important engineering corporations such as CH2M Hill, MWH Global Inc., Jacobs and AECOM Technology Corp. The city also hosts several major government organizations, including the US Army Corps of Engineers Risk Management Center, the Bureau of Reclamation, and the USGS.

On the academic and training side, the Front Range area just east of the Rockies is home to seven universities with accredited Civil Engineering and Civil Engineering Technology degrees, four of which (the Colorado School of Mines, the University of Colorado at Boulder, the University of Colorado at Denver and the Colorado State University at Fort Collins) offer doctoral level research programs.

Geo-Risk 2017 will give you a fantastic opportunity to update and expand your technical knowledge while exploring the vibrant city of Denver and the beauty of Colorado with friends and family.



PLAN ON PARTICIPATING IN GEO-RISK 2017!

On behalf of the Risk Assessment and Management Technical Committee (RAM) of the Geo-Institute (G-I) of the American Society of Civil Engineers (ASCE) and the Geotechnical Safety Network (GEOSNet) you are invited to attend Geo-Risk 2017 which will be held in downtown Denver on June 4–6, 2017.

This conference is the first specialty conference offered by the ASCE on geotechnical risk since Geo-Risk 2011 in Atlanta. It will also be the 6th offering of the International Symposium on Geotechnical Safety and Risk (ISGSR), a successful biennial series of international conferences most recently held in Rotterdam (2015) and Hong Kong (2013). It is also the first time the ISGSR series of international conferences has been hosted in the USA.

The theme of Geo-Risk 2017 is “Geotechnical Risk: From Theory to Practice” and will feature the latest research advances and engineering-practice innovations with a focus on the use of probabilistic and risk methodologies in geotechnical engineering. The conference will include a wide range of knowledge-enhancing technical sessions, short courses, workshops and software demonstrations. Several hundred U.S. and international participants from industry, academia, and government agencies are expected to attend.

georiskconference.org

Mark your calendars and submit your abstract now!

You are invited

...to submit an abstract to any of the technical topics listed in this document. Abstracts without all the details requested below may not be considered:

- Abstracts must be between 300 to 500 words.
- Abstracts must identify the name of the topic to which the paper is being submitted.
- Abstracts must include the full formal names, credentials, affiliations and email addresses for all authors.
- The corresponding author must be the author uploads the abstract and presents the final paper.
- Abstracts (and all details requested above) must be uploaded to the online MIRA Paper Submission System:
<http://submissions.mirasmart.com/ASCE/GeoRisk2017/Login.asp>
- **Abstracts are due by May 11, 2016.**

GSP Submission Process and Deadlines (may be subject to change)

Phase One — Abstract Submission

- Authors submit abstracts (see guidelines above) for consideration by **May 11, 2016**.
- The Program Committee will review all abstracts and sort them into topic groups/sessions corresponding to the number of session spaces available in the hotel. Abstracts will be declined that do not fit the theme of the conference, are too commercial, or are unlikely to produce a quality paper.
- Notice of these decisions will be sent to the authors by **June 8, 2016**.
- The Program Committee will assign Chairs to the finalized sessions.

Phase Two — Draft Paper Submission

- Authors submit draft papers for consideration by **July 27, 2016**.
- Session Chairs will arrange for two peer reviews for each draft paper, and then, on the basis of those reviews and their own judgement, make decisions about whether or not to accept the draft paper. Papers will be declined for the same reasons as an abstract.
- Notice of these decisions, along with the two reviews (presented anonymously), will be sent to the authors by **October 5, 2016**.

Some conferences will also make preliminary decisions about presentation formats at this time, provided that the final paper is of an acceptable quality.

Phase Three — Final Paper Submission

- Authors submit final versions of their papers for consideration by **November 9, 2016**.
- Session Chairs will review the revised papers for compliance with review suggestions made during draft phase. Chairs will have the opportunity to request additional revisions from paper authors, and to re-review the results before the final decision is made.
- Notice of the final decision will be sent to the authors by **December 21, 2016**.
- Any author whose paper has been accepted for the conference **MUST register for the conference by February 8, 2017** or their paper will be removed from the Proceedings.

Based on instructions from the Program Committee, Session Chairs may accept no more than a specific number of papers for oral podium presentation at the conference. Other papers in the session can be offered a poster presentation or declined. Depending on the conference, these presentation types may include: an oral podium presentation, a poster presentation, or an interactive presentation which combines the best of both. Generally, no more than six papers are presented at the podium during a 90-minute technical session.

Conference Proceedings

The Geo-Risk 2017 conference Proceedings will be published as a Geotechnical Special Publication (GSP) of the Geo-Institute of ASCE. GSPs are the G-I's primary outlet for continuing the tradition of geotechnical knowledge transfer. They are recognized internationally as premier publications for geotechnical engineering and the geoprofession. GSPs originated with the proceedings of the first geotechnical specialty conference, on the Shear Strength of Cohesive Soils held in 1960, and the G-I has administered the publications ever since its formation in 1996.

A GSP is special because the content is subject to rigorous technical review during a three-phase submission process. Each paper must receive a minimum of two positive peer reviews before acceptance.

Papers published in a GSP are indexed in Civil Engineering Database, Google Scholar, and others.

QUESTIONS?

Contact:

Regarding the technical program

- D. Vaughan Griffiths (d.v.griffiths@mines.edu), Colorado School of Mines

For other general inquiries

- Helen E. Cook (hcook@asce.org), Geo-Institute of the ASCE

Conference Topics and Program Committee

Topics for Geo-Risk 2017 will include, but are not limited to:

- Practice of risk assessment and management in all fields of geoenvironmental engineering
- Geohazards such as landslides, slope failures, dams and levees, earthquakes, and geoenvironmental hazards including those caused by human activity
- Reliability-and risk-based code developments
- Advances in geotechnical Reliability Based Design
- Load and resistance factor design (LRFD) developments and applications
- Acceptable risk and risk communication including applications to insurance and financial decision-making
- Impact of spatial variability and probabilistic site characterization
- Uncertainty relating to geotechnical properties, models and testing methods
- Advances in the applications of theory and practice of statistics and probability in geoenvironmental engineering
- Emerging Topics

PROGRAM OVERVIEW

A number of activities are envisioned for the Geo-Risk 2017 program, including:

- Keynote lectures
- Panel discussions
- Technical sessions
- Short courses
- Exhibitors
- Social and networking opportunities

Geo-Risk 2017 Program Committee

- **Conference Chair, D. Vaughan Griffiths**, Ph.D., D.Sc, PE, D. GE, F.ASCE, FICE, Colorado School of Mines
- **Conference Co-Chair, Gordon A. Fenton**, Ph.D., P.E., A.M.ASCE, Dalhousie University
- **Technical Program Chair, Jinsong Huang**, Ph.D., M.ASCE, University of Newcastle, Australia
- **Technical Program Co-Chair, Limin Zhang**, Ph.D., F.ASCE, Hong Kong University of Science and Technology
- **Jianye Ching**, Ph.D., C.Eng, M.ASCE, National Taiwan University
- **Paul M.C.B.M. Cools**, Rijkswaterstaat, Ministry of Infrastructure and the Environment, The Netherlands
- **Robert B. Gilbert**, Ph.D., P.E., D.GE, M.ASCE, UT Austin
- **C. Hsein Juang**, Ph.D., P.E., F.ASCE, Clemson University
- **Suzanne M. Lacasse**, D.Eng., P.E., F.ASCE, Norwegian Geotechnical Institute
- **Dian-Qing Li**, Ph.D., M.ASCE, Wuhan University, China
- **Zenon Medina-Cetina**, Ph.D., A.M.ASCE, Texas A&M University
- **Shinichi Nishimura**, Ph.D., Kyoto University, Japan
- **Kok-Kwang Phoon**, Ph.D., P.E., F.ASCE, National University of Singapore
- **Adrian Rodriguez-Marek**, Ph.D., A.M.ASCE, Virginia Tech
- **Brian Simpson**, Ph.D., Arup Fellow, UK
- **Daniel Straub**, Ph.D., Technical University of Munich, Germany
- **Armin W. Stuedlein**, Ph.D., P.E., M.ASCE, Oregon State University

International Scientific Committee

- › Tony M. Allen, Washington State Department of Transportation
- › Patrick Arnold, Delft University of Technology, The Netherlands & University of Manchester, UK
- › Zeynep Aslay, Minerva Design and Consultancy, Turkey
- › Gregory Baecher, University of Maryland
- › Lech Balachowski, Gdansk University of Technology, Poland
- › Jomaa Ben-Hassine, RES America
- › Robert Berkelaar, Volker InfraDesign, The Netherlands
- › Sébastien Burlon, IFSTTAR, France
- › Laura Caldeira, LNEC, Portugal
- › Michele Calvello, University of Salerno, Italy
- › Zijun Cao, State Key Laboratory of Water Resources and Hydropower Engineering Science, Wuhan University, China
- › Jiun-Yih Chen, Energo Engineering, Houston, Texas
- › Raymond W.M. Cheung, Geotechnical Engineering Office, Hong Kong
- › Haitham Dawood, Fugro Consultants, Inc.
- › Malcolm Eddleston, MWH, UK
- › Kevin Foye, CTI and Associates, Inc.
- › John France, AECOM
- › Roger Frank, President of ISSMGE, 2013-2017
- › Wenping Gong, Clemson University
- › Takashi Hara, Gifu University, Japan
- › Michael Hicks, Delft University of Technology, The Netherlands
- › Yusuke Honjo, Gifu University, Japan
- › Hongwei Huang, Tongji University, Shanghai, China
- › Mark B. Jaksa, The University of Adelaide, Australia
- › Rafael Jimenez, Technical University of Madrid, Spain
- › Ali Johari, Sharif University of Technology, Iran
- › Celeste Jorge, LNEC, Portugal
- › Ramanujachari Kannan, U.S. Army Corps of Engineers
- › Mikhail Kholmyansky, NIIOSP Research Institute, Russia
- › Kristian Krabbenhoft, University of Newcastle & OptumCE, Australia
- › Kerstin Lesny, HafenCity University Hamburg, Germany
- › Jinhui Li, Harbin Institute of Technology, China
- › Zhongqiang Liu, Norwegian Geotechnical Institute, Norway
- › B.K. Low, Nanyang Technological University, Singapore
- › Zhe Luo, University of Akron
- › Iacint Manoliu, Technical University of Civil Engineering Bucharest, Rumania
- › Sónia H. Marques, Gottfried Wilhelm Leibniz Universität Hannover-Germany
- › Axel Moellmann, GMX, Germany
- › Robb Moss, Cal Poly, San Luis Obispo, CA
- › Dasaka Murty, IIT Bombay, India
- › Farrokh Nadim, Norwegian Geotechnical Institute, Norway
- › Farzaneh Naghibi, Dalhousie University, Canada
- › Shadi Najjar, American University of Beirut
- › Peter Nicholson, University of Hawaii
- › Lars Olsson, Geostatistik AB, Sweden
- › Trevor L.L. Orr, University of Dublin, Ireland
- › Samuel Paikowsky, University of Massachusetts, Lowell
- › Vincenzo Pane, University of Perugia, Italy
- › Iason Papaioannou, TU München, Germany
- › Widjojo A. Prakoso, University of Indonesia, Indonesia
- › Wojciech Puła, Wroclaw University of Technology, Poland
- › Marco Redaelli, CH2M and University of Leeds, UK
- › Krishna Reddy, University of Illinois, Chicago
- › Lance Roberts, South Dakota School of Mines
- › Rodrigo Salgado, Purdue University
- › Bernd Schuppener, Retired Director, Geotechnical Department of the Federal Waterways Engineering and Research Institute, Germany
- › Timo Schweckendiek, Deltares & Delft University of Technology, The Netherlands
- › Kallol Sett, University of California, Davis
- › Antonio Soriano, Universidad Politécnica de Madrid, Spain
- › Abdul-Hamid Soubra, Université de Nantes, France
- › Nate Snorteland, Director, USACE Risk Management Center
- › Jørgen S. Steenfelt, COWI, Denmark
- › H.W. Sun, Geotechnical Engineering Office, Hong Kong
- › António Topa Gomes, University of Porto, Portugal
- › Baris Trak, Technical Director (ret.), Council of Europe Development Bank, France
- › Marco Uzielli, Georisk Engineering S.r.l, Italy
- › Adriaan J. van Seters, Fugro GeoServices B.V., The Netherlands
- › Erik H. Vanmarcke, Princeton University
- › Giovanna Vessia, University "G. d'Annunzio" of Chieti-Pescara, Italy
- › Nihal Vitharana, Arup Partners, Sydney, Australia
- › Lei Wang, Montana Tech
- › Yu Wang, City University of Hong Kong
- › Tien H. Wu, Ohio State University
- › Gil Lim Yoon, KIOST, S. Korea
- › Ikumasa Yoshida, Tokyo City University, Japan
- › Yuzhen Yu, Tsinghua University, China
- › Chan-Young Yune, Gangneung-Wonju National University, S. Korea
- › Ioannis E. Zevgolis, Democritus University of Thrace, Greece
- › Jie Zhang, Tongji University, Shanghai, China
- › Lulu Zhang, Shanghai Jiaotong University, China
- › Hong Bo Zhou, Management Co., Ltd., Shanghai, China

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