

Official Language

The official language is English.

Registration

The Symposium registration form can be downloaded from the symposium website at www.ce.ust.hk/isgsr2013

Registration Fees

HK\$4,600* (US\$600; Euro\$460; RMB¥3700) for full participants
 HK\$1,500** (US\$200; Euro\$150; RMB¥1200) for students
 HK\$2,300** for one-day Hong Kong local participants

* The registration fee covers the symposium proceedings, lunches, coffees and banquet ticket. Registrations after 31 October 2013 will incur a 10% late registration surcharge.

** The registration fee covers the symposium proceedings, lunches, coffees but does not include a banquet ticket.

Contact

ISGSR 2013 Secretariat
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Keynote Lecturers



Suzanne Lacasse, Kaare Høeg, Z.Q. Liu & F. Nadim
 Technical Director
 Norwegian Geotechnical Institute, Norway
 "An homage to Wilson Tang: Reliability and risk in geotechnical practice - how Wilson led the way" (**Wilson Tang Lecture**)



Robert B. Gilbert, S. Lacasse & F. Nadim
 Brunswick-Abernathy Professor
 The University of Texas at Austin, USA
 "Advances in geotechnical risk and reliability for offshore applications"



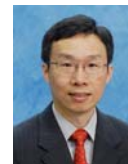
D.V. Griffiths, J. Paiboon, J. Huang & Gordon A. Fenton
 Professor
 Colorado School of Mines, USA
 "Use of random fields in probabilistic geotechnical analysis"



Hongwei Huang, W.W. Su & J. Zhang
 Changjiang Professor
 Tongji University, China
 "Selecting the optimal probability model for geotechnical reliability analysis"



C.H. Juang, Lei Wang & Sez Atamturktur
 Glenn Chair Professor
 Clemson University, USA
 "Robust design of geotechnical systems – A new design perspective"



H.N. Wong
 Head of Geotechnical Engineering Office
 Civil Engineering and Development Department, Hong Kong SAR
 "Is landslide risk quantifiable and manageable?"



Martin Th. van Staveren
 Van Staveren Risk Management VSRM
 The Netherlands
 "Integrated georisk management: crossing boundaries"

4th International Symposium on Geotechnical Safety and Risk

4-6 December 2013

The Hong Kong University of Science and Technology, Hong Kong

ISGSR 2013

www.ce.ust.hk/isgsr2013



Introduction

Safety, reliability and risk assessment and management have attracted growing interests of the geotechnical community in recent years due to frequent occurrences of natural and man-made disasters. At the same time there is an increasing expectation of the general public that requires the engineering community to provide quantitative information concerning risks related to geotechnical hazards such as earthquakes, landslide, geo-structure failures, etc. This symposium aims to bring together engineers, educators, researchers and practitioners to create a better understanding and management of geotechnical safety, reliability and risk.

This symposium is a continuation of a series of symposiums and workshops on geotechnical risk and reliability starting with LSD2000 in Melbourne, Australia, IWS2002 in Tokyo and Kamakura, Japan, LSD2003 in Cambridge, USA, Georisk2004 in Bangalore, India and Taipei2006 in Taiwan. Realizing the importance of risk and safety in geotechnical engineering, it was decided to establish a series of symposiums: in 2007 the 1st International Symposium on Geotechnical Safety and Risk was held in Shanghai, China, followed by the 2nd ISGSR in Gifu, Japan in 2009, and the 3rd ISGSR in Munich, Germany in 2011.

Conference Themes

Every aspect of geotechnical safety, reliability and risk will be covered. This includes both theoretical developments and practical applications for a wide range of geotechnical related problems. Topics include but are not limited to:

- Geotechnical uncertainty and variability
- Geohazards, such as landslides, earthquakes, tsunami and climate changes
- Reliability and risk analysis
- Reliability-based design and limit state design in geotechnical engineering
- Risk assessment and management in geotechnical engineering and infrastructural projects
- Practical applications and case studies

Mini-Symposium and special sessions

- Performance evolution and risk assessment of high slopes in hydropower engineering in China
- Reliability- and risk-based monitoring and site investigation
- Risk assessment and management in geoenvironmental engineering
- Risk management in geotechnical engineering and construction projects
- Influence of spatial variability on the geotechnical design decisions

Organizer

The Hong Kong University of Science and Technology (HKUST) under the auspices of:

- Geotechnical safety network (GEOSNet)
- The International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE)
 - ◊ TC 304: Engineering Practice of Risk Assessment and Management
 - ◊ TC 205: Safety and Serviceability in Geotechnical Design

and supported by:

- National Basic Research Program of China (2011CB013500)
- Hong Kong Geotechnical Society (HKGES)
- The Geotechnical Division of the Hong Kong Institution of Engineers (HKIE-GD)
- The Geotechnical Engineering Office of CEDD of the HKSAR (GEO)
- Chinese Institution of Soil Mechanics and Geotechnical Engineering
- Engineering Risk and Insurance Branch of China Civil Engineering Society (CCES-ERIB)
- American Society of Civil Engineers (ASCE) Hong Kong Section

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International Advisory Committee

GEOSNet Board members

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ISSMGE TC205 members

Tentative Program

Time	Activities
4 December 2013 PM & Evening	Registration Ice-breaking reception
5 December 2013 AM PM Evening	Opening ceremony Keynote lectures Parallel sessions Banquet
6 December 2013 AM PM	Keynote lectures Parallel sessions Closing ceremony

Venue & Accommodation

The conference will be held at HKUST. For more information about HKUST, kindly visit the university website: <http://www.ust.hk>. Special rates have been arranged with designated hotels for conference delegates. Please refer to the symposium website <http://www1.ce.ust.hk/isgsr2013/registration.htm> for details.