

Agenda for 8th ISSMGE TC304 Meeting 12-16 November 2012 (email meeting)

Date: 12-16 November 2012

Time: Meeting closes as of 5:00 pm (Singapore, UTC/GMT +8 hours), 16 Nov 2012

1. Confirmation of minutes (7th ISSMGE TC304 minutes, 24 March 2012, APSSRA)

The minutes of March 2012 APSSRA meeting were confirmed.

2. Updates and matters arising from previous meeting

TF2: Compilation of guidelines and other technical resources (Vaughan & Gordon)

- Guidelines, Information, and Technical Resources (Vaughan & Gordon)(http://140.112.12.21/issmge/TC304_refs_v6.1.html)

Vaughan Griffiths:

- This list is not exhaustive and there will be papers that committee members and others may still wish to add. Rather than informing us of additional papers in an ad hoc manner as has happened in the past, Gordon has developed the attached formatting instructions in html (<http://140.112.12.21/issmge/format.html>) for any references you may wish to add to the list. Send the formatted references to me and Gordon Fenton at gordon.fenton@dal.ca and please be specific about which topics to put the references under. We will periodically add them to the master list and get it uploaded to the TC 304 web site.

Gordon Fenton:

- Vaughan and I have recently had another round at improving/updating the (English) bibliography for TF2. It includes over 450 documents now, organized into 17 subject areas relating to geotechnical risk assessment (http://140.112.12.21/issmge/TC304_refs_v6.1.html).

Shin-ichi Nishimura:

- We are organizing the committee of the geo-uncertainty and inverse analysis, and will spread the concept the reliability-based design in Japan. As the task of the committee, we made the papers list of the inverse analysis related to the geotechnical problems, and so, we will be able to contribute TF2.

- Glossary - Chinese/Spanish versions are completed (http://140.112.12.21/issmge/2012Glossary_Chinese_Spanish.pdf).

KK Phoon:

- I would like to thank Rafael Jimenez, Carlos Rivero Rodríguez (from the Department of Statistics of Universidad Complutense de Madrid) and Zenon Medina-Cetina for the Spanish translation efforts. If you feel there are additional useful terms in English or if you would like to translate to another language, do contact KK Phoon.

Zenon Medina-Cetina:

- Rafael and Carlos deserve all credit for the Spanish translation of the Glossary. I hope to be able of contributing with some Latin-American Spanish deviations in the near future (probably Adrian will also be keen to do the same).

Adrian Rodriguiz-Marek:

- The work done by Rafael and Carlos is superb. Zenon is right in pointing out that some language usage is different in Latin America, but as it stands, the glossary will serve its purpose.

TF3: Coordination with broader risk community (Martin)

Martin van Staveren:

- To date, representatives of 8 countries confirmed to contribute to the main TF3 deliverable: the international state-of-the-art report on integration of geotechnical risk management in project risk management. The countries are in alphabetical order China, Finland, Japan, Netherlands, Portugal, Taiwan, UK, and US. Representatives of additional countries are obviously still welcome.
- On this the TF3 topic 1 paper is in preparation for ISSGME2013, Paris and 3 abstracts and 1 session proposal are issued for ISGSR2013
- The English translation of the Dutch GeoRM (geotechnical risk management) guideline is looking for sponsorships. Without sponsoring, an option is to find a commercial publisher.
- A book summary of the Dutch GeoRM guideline has been submitted to Georisk journal, as suggested by KK.
- Also Sweden joins TF3, now 9 countries are involved in preparing a state-of-the-art report on integrating geotechnical risk management in project risk management
- The final action plan and time schedule for preparing the country reports on integrating geotechnical risk management in project risk management has been send to the representatives of the 9 countries
- Anyone interested to join TF3 is still welcome, the more countries represented, the better for all of us!

TF5: Conference coordination (Ken)

- 2nd National Symposium on Engineering Risk & Insurance Research, Beijing, China, 20-21 Oct 2012 (Hongwei)

Hongwei Huang:

- This Symposium was held in the International Convention Center of Beijing Jiatong University from 20-21 Oct 2012. More than 150 participants from mainland China, Taiwan, Hongkong, Signapore and Japan attended this symposium. The main theme is Engineering Risk and Insurance in Infrastructure Construction. 56 academic papers were selected to be published in the Chinese Journal of Underground Space and Engineering from 85 submitted papers. 5 TC304 members including KK Phoon, Limin Zhang, Yu Wang, Dianqing Li, Hongwei Huang participated in this Symposium. KK Phoon and Hongwei Huang delivered opening speeches in the opening ceremony. In the technical sessions covering one and half day, 21 experts delivered presentations. Many participants participated in a metro construction technical tour in the afternoon of 21st. At the closing ceremony, it was announced that the 3rd National Symposium on Engineering Risk & Insurance Research would be held in The Three Gorges University in 2014.
- Wilson Tang Memorial Symposium, Conference Hall, 4/F, Hong Kong Productivity Council Building, Hong Kong, 15 Dec 2013 (Limin)
 - This Symposium was held in Hong Kong on 15 Dec 2013, attended by more than 100 participants. Twelve eminent speakers presented over the Symposium, including three from TC304 (KK Phoon, Hongwei Huang and Yusuke Honjo). A CD Rom containing selected publications of Wilson and the 12 presentations will be published by the Hong Kong

University of Science and Technology. An outcome of this Symposium was the establishment of the Wilson Tang Memorial Fund. One of the uses of the Fund is to provide scholarships to recognize students of top performance in courses related to uncertainties and risk analysis.

- TC304 session, 18 Southeast Asian Conference, Singapore, 29-31 May, 2013 (Gil Yoon)
- 4th International Symposium on Geotechnical Safety and Risk (4ISGSR), Hong Kong, 4-6 December, 2013 (Limin)
- ISSMGE Paris 2013

KK Phoon:

We received the following two participation options from Roger Frank, Chairman of the Strategic Committee 18 ICSMGE, Paris 2013:

- If there are sufficient "risk/reliability" papers based on abstracts submitted, we could be asked to organize a discussion session on papers potentially of interest to TC304. There is no action required from TC304 until we hear from one of the organizers.
- We can request for two 90-minute slots for a special TC304 workshop. Please email KK Phoon before 30 November 2012 if anyone is keen to organize this special workshop on behalf of TC304.

Jianye Ching:

- TC304 members who will attend ISSMGE Paris 2013 include (in the order of replying) Jinsong, Ali, Laura, Martin (in the condition that there are sufficient papers for risk management), Jianye (in the condition that the TC304 workshop will happen).
- TC304 members who will NOT attend include (in the order of replying) Timo, Rafael, Jianfeng, Adrian.

TF6: Risk analysis and software (Lars)

- Compile list of software including a price estimate for TC304 website (<http://140.112.12.21/issmge/TC%20304%20software%20list.pdf>)

3. Current/future activities in 2012/2013

- Wilson Tang Memorial Symposium, Hong Kong, 15 Dec 2012
- 18 Southeast Asian Conference, Singapore, 29-31 May 2013
- 18th ISSGME, Paris, September 2013:
 - TC304 TF 3 planned to discuss draft state of art report on integration of geotechnical risk management in project risk management.
- 4ISGSR, Hong Kong, 4-6 Dec 2013: proposal for TF3 session and presenting final TF3 state of art report

Limin Zhang:

- Thanks for the great support from the TC304 colleagues, we have received 5 session proposals and nearly 90 abstracts. If you would like to submit an abstract, please submit it online in the coming few weeks at <http://www1.ce.ust.hk/isgsr2013/submission.htm>.

Timo Schweckendiek:

- Together with Iason Papaioannou and Daniel Straub (TU Munich) I proposed a special session on "Reliability- and risk-based monitoring and site investigation". Additional contributions are still more than welcome, please let me know if you are interested (timo.schweckendiek@deltares.nl).

- Short course on "Risk Assessment in Geotechnical Engineering", New York City, 8-9 Nov, 2012 (Vaughan & Gordon)
- Modern Geotechnical Design Codes of Practice – Implementation, Application, and Development, IOS Press, Amsterdam, Patrick Arnold, Gordon Fenton, Michael Hicks, Timo Schweckendiek, and Brian Simpson, eds., 2012. (in press)

Gordon Fenton:

- We are in the final phase of producing the book. In all, the book includes 22 papers from a variety of countries – 10 European countries, Canada, USA, and Singapore/Taiwan. We expect to see it in print in December, 2012.

Zenon Medina-Cetina:

- I am a bit surprised not to see any contribution from Latin-America for the Geotech Design work that Arnold et al. are putting together. I can speak for Mexico, where I know that since Prof. Rosenblueth's initiative many decades ago, Mexico City evolved into a probabilistic design of foundations, I believe pioneering this effort, which evolved into a detailed analysis of the City's rezoning, having a significant impact in foundation design. I know Prof. Gabriel Auvinet from UNAM has also had significant contributions in this field, including the most recent mapping of the City's Valley stratigraphical description and the current City's Design Code. I would expect something similar in Chile, which code's changes have also reflected positively in recent times.

Patrick Arnold:

- The idea for this book was formed during a small workshop we've organised here at the TU Delft last November as part of Gordon Fenton's sabbatical visit. The intention of the book was to collect contributions on code development and calibration as well as implementation and experiences from as many parts of the world as possible and to combine them within this single resource.
- Besides approaching the attendees of the mentioned workshop we further invited code developers and interested colleagues via the technical committees TC 304 and TC 205, the Eurocode 7 Committee CEN/TC250 as well as in direct emails to colleagues leading and contributing to national standard committees, that is, with a specific note to further distribute this invitation to other potential contributors.
- We would have loved to receive such contributions you mentioned and most certainly did our best to do so however, unfortunately we did not succeed to our full satisfaction in this respect. Nevertheless, thanks to the excellent work of the colleagues contributing to this collection, it does fulfill it's purpose in that it provides an up-to-date overview on some of the work done and some of challenges ahead.

KK Phoon:

- The IOS Press book ("Modern Geotechnical Design Codes of Practice - Implementation, Application, and Development") edited by Patrick, Gordon, Michael, Timo, and Brian (who chairs TC205). This book project is an exemplary collaboration between TC205 and TC304. This book project would leave a more lasting legacy in the technical literature beyond the term of our committees which expires in September next year.
- ASCE Geotechnical Special Publication in honour of Professor Fred Kulhawy (KK Phoon)

KK Phoon:

- The ASCE Geotechnical Special Publication in honour of Professor Fred H Kulhawy ("Foundation Engineering in the Face of Uncertainty") edited by James L. Withiam, Kok-

Kwang Phoon and Mohamad Hussein (in press). It should be published before GeoCongress2013 and a few authors would be invited to present their papers in a special session in GeoCongress2013.

- Georisk Special Issue on "Reliability of Flood Defenses" (Timo Schweckendiek and Ed Calle, Guest Editors)

Timo Schweckendiek:

- This special issue will contain a number of invited papers based on contributions to the 3rd I SGSR and FLOODrisk 2012 conferences. The manuscripts are now under review, expected publication is summer 2013.

4. Other business

- 6th Asian-Pacific Symposium on Structural Reliability and its Applications (6APSSRA), Shanghai, 2016

Shin-ichi Nishimura:

- And we are planning the organized session of "Inverse analysis related to geo-uncertainty" to discuss the recent development of the monitoring technology and the data assimilation technique. If possible, we would like to organize the session in APSSRA 2016, or several more earlier symposia held in Asia. Is it possible?

Hongwei Huang (Chair of 6APSSRA):

- Very pleased to know your suggestion to APSSRA 2016 in Shanghai. I think your session is welcomed.