

## Minutes for 18<sup>th</sup> ISSMGE TC304 Meeting (ICASP 12)

**Date:** 14 July 2015 (Tue)

**Time:** 1:30 – 3:00 PM

**Venue:** Bidwell Room at the upper conference level in ICASP 12 (Vancouver, Canada)

**Members:** Kok-Kwang Phoon (chair), Zijiun Cao, Jianye Ching, Paul Cools, Gordon Fenton, Bak-Kong Low, Shin-ichi Nishimura, Lars Olsson, Timo Schwenckendiek, Armin Stuedlein, Yu Wang, Ikumasa Yoshida, Jie Zhang

**Guests:** Jacques Botha, Hongzi Chen, Hanping Hong, Johan Retief, Te Xiao, Tengyuan Zhao

**Meeting starts at 130PM.**

### 1. Introduction

Members and guests introduced themselves.

### 2. Approval of the 17th TC304 minutes (email meeting, 15-26 June 2015)

Minutes are approved.

### 3. Updates and matters arising from the previous meeting

ICASP 12 MS-15 (Reliability of Geotechnical Structures) (KK, Gordon & Jianye) – 13 papers presented.

### 4. Future activities in 2015/2016+

- 5th International Symposium on Geotechnical Safety and Risk (ISGSR), Oct 13-16 2015, Rotterdam, Netherlands (Paul Cools, Martin van Staveren, Timo Schweckendiek)
  - <http://www.isgsr2015.org/>
  - 135 papers are accepted
  - Joint TC205/212/302/304 meeting
    - Scheduled in the evening on Oct 14 (Wed) 2015
    - Every chair will propose one topic for possible future cooperation
  - Wilson Tang Lecture (KK and Jianye)
  - Keynote lecture on "Quantitative Geotechnical Risk Management for Tunneling Projects in China" (Hongwei and Dongming Zhang)
  - The following activities are being organized for ISGSR2015:
    - "Application of Bayesian Methods in Geotechnical Engineering" (Jie & Zijiun) – 5 papers
    - "Probabilistic Slope Stability Analysis: The State of Play" (Jinsong & Vaughan)
    - "Risk Assessment in Offshore Geotechnical Engineering" (Zhongqiang and Jinhui (Lisa))
    - "Uncertainty and Variability in Landslide Hazard Models" (Giovanna Vessia and Mauro Rossi)
    - "Geotechnical Risk Management and Risk Communication - Demands" (Lars) – 5 papers
    - Short course on "Reliability Analysis and Updating in Geotechnical Engineering" (Gordon Fenton and Timo Schweckendiek)

- Short course on “Geotechnical Risk Management”, including the results and tools of the Dutch Geo-Impuls program on geotechnical failure reduction (Martin van Staveren (Martin van Staveren & Martin van der Meer)
- Georisk 2017, Denver, Colorado (Vaughan)
  - Currently looking at a shortlist of 3 hotels for the conference venue. Hotel choice will also influence the date which will either be June 11-14 or June 25-28 2017
- Georisk Special Issue on “Distinctive and Critical Elements in Geotechnical Risk and Reliability” (Yu Wang, Dianqing & Zijun)
  - Call for Abstracts & Papers: July 15 2015
  - Abstract due: Sep 1 2015
  - Notification of abstract decision: Sep 15 2015
  - Online paper submission: Sep 15 2015
  - Completion of paper reviews: July 1 2016
  - Target publication date: August 2016
- 6th Asian-Pacific Symposium on Structural Reliability and its Applications (APSSRA 2016), May 28-30 2016, Shanghai, China (Hongwei Huang) (updated by Jie Zhang)
  - <http://www.apssra2016.org/>
  - 130 abstracts
  - 7 keynotes
  - Full paper due November 30 2015
  - First Suzanne Lacasse Lecture
    - KK Phoon: This Honour Lecture will last for 8 years. Vaughan is the first lecturer. We will soon select the second lecturer for 19ICSMGE. The name will be submitted to ISSMGE Board for consideration during XVI ECSMGE Conference, Edinburgh, Sep 2015. If we successfully secure a slot in 19ICSMGE for the second lecture, we will select the third lecturer for Georisk 2017. If not, the second lecturer will present in Georisk 2017.
  - Software demonstration session (KK, Jianye, Gordon)
    - KK Phoon: The session will have longer time than usual sessions. The format can be flexible. This activity is expected to continue in future conferences, e.g., Georisk 2017
      - BK Low: The aim can be extended to demonstrate misconcepts and insights
      - Paul Cools: Commercial software companies can organize such a session in the future
    - 6 groups of participants have agreed to join this event
    - Promote an awareness on the availability of user-friendly probabilistic softwares that engineers can use and to hasten the development of these softwares for practice
    - Participants showcase the capabilities of their softwares using existing TC304 benchmark examples ([http://140.112.12.21/issmge/edu\\_2010.htm](http://140.112.12.21/issmge/edu_2010.htm)) or to submit a new example to Jianye
    - Do not require paper submission (abstract needed only), but a presentation describing the capabilities of the software, details of the example following the template, and some results showcasing the capabilities (efficiency, 2D or 3D, random dimension, range of problems)
- ASCE GSP in honour of Professor Wilson Tang (ASCE GI-RAM; Eds.: Hsein Juang, Bob Gilbert, Limin Zhang, Jie Zhang, and Lulu Zhang) (updated by Jie Zhang)

- Publication date: spring 2017 (expected)
- TC304 Special session in the 15th ISSMGE Asian Regional Conference (15 ARC), 9-13 November 2015, Kyushu, Japan (Shin-ichi)
  - <http://www.15arc.org/>
  - 15 papers (2 sessions)
- 4th China National symposium on Engineering Risk and Insurance, Wuhan University, Hubei, China (Dianqing and KK) (updated by Zijiun)
  - Late August 2016
  - Call for papers will be announced soon
- XV Panamerican Conference of Geotechnical Engineering, Buenos Aires, Argentina, 15-18 Nov 2015 (Adrian Rodriguez-Marek)
  - Three sessions: Georisk I, II, III
  - 15~16 presentations
- Short course “Bayesian & statistical inference” (Dianqing, Ivan & Zijiun)
  - Date: 2-3 July 2015, State Key Laboratory of Water Resources and Hydropower Engineering Science, Wuhan University, Wuhan, China
  - 6 lectures
- ISSMGE TC304 Terms of Reference
  - It is a dynamic document. Please send new activities to Jianye for updates.
- ASCE Geo-Structural Congress, Feb 14-17, 2016, Phoenix, AZ
  - Short course on “Risk Assessment in Geotechnical and Structural Engineering” (Vaughan & Gordon).
  - Session on “Managing risk in geotechnical and structural analysis and design” (Limin)
- TC304 Guidelines, Information & Technical Resources (Vaughan & Gordon)
  - All attendees agree that it is quite useful and should be continued
  - ICASP12 paper link (<http://icasp12.ubc.ca/papers-by-session/>) will be added to TC304 website
- TC304 Risk Management Software Database (Lars)
  - Lars & Pavlos will try to send out another questionnaire
  - KK Phoon: this is a complementary activity for the software demonstration session. Besides TC304 members, we can also send the questionnaire to TC306 (Geo-Education)

**Meeting ends at 3PM.**

