Minutes of ISSMGE TC205 Technical committee: ‘Safety and Serviceability in Geotechnical Design’

Seventh meeting, 18th July 2014, by tele-conference (13:00-15:00 UTC)

Participating: Brian Simpson (UK, chair)
Andrew Bond (UK), Luigi Callisto (Italy), Trevor Orr (Ireland), Adriaan van Seters (Netherlands), Tony Allen (USA)

Secretariat: Sam Clarke (UK), Colin Smith (UK)

Apologies: Peter Day (South Africa), KK Phoon (Singapore), Fred Kuhawy (USA), Jorgen Steenfelt (Denmark), Petr Koudelka (Czech & Slovak Republics)

Absent: Maria J. Avecillas (Ecuador), Lech Balachowski (Poland), Richard Bathurst (Canada), Franco Francisca (Argentina), Roger Frank (France), Takashi Hara (Japan), Yusuke Honjo (Japan), Hongwei Huang (China), Kristian Krabbenhoft (Australia), Anders Kullingsjö (Sweden), Tim Länsivaara (Finland), Kerstin Lesny (Germany), Iacint Manoliu (Romania), Sam Paikowsky (USA), Agustin Popa (Romania), W.K. Pun (Hong Kong), Rodrigo Salgado (USA), Bernd Schuppener (Germany), Masahiro Shirato (Japan / India), Antonio Soriano (Spain), Marco Uzielli (Italy), Balazs Vasarhelyi (Hungary), Aida S. Zhakulin (Kazakhstan), Limin Zhang (Hong Kong).

1. Introductions.

2. Acceptance of agenda, noting any other business.

   The agenda was accepted.

3. To note minutes of the previous meeting (8th October 2013) - Document TC205-16. [http://www.geotech.group.shef.ac.uk/tc205/index.php/documents/]
4. Actions from previous meeting not otherwise on agenda.
   a. 3. Members to send images of themselves to Sam Clarke.
   b. 5b. **Members** to contribute suitable references related to SLS. **Outstanding**;
      **Andrew Bond** to check information he has received in relation to EC7/EG8.
   c. 5b. **Sam Paikowski** to circulate briefing document on work done on SLS.
      **Outstanding**.
   d. 5b. Peter Day to draft initial forum discussion for Malcolm Bolton. See Annex A.
   e. 5b. **Trevor Orr** to report on discussions with Tim Lansivaara about his Paris paper on risk. **Outstanding**.
   f. 5b. KK Phoon will circulate a copy of ISO 2394 – done, 09/10/2013 08:30 (UK).
   g. 5b. BS to ask Adriaan van Seters to circulate some information about the reliability studies carried out in the Netherlands. *Circulated post meeting 21/07/2014 13:44.*
   h. 5b. Jorgen Steenfelt to circulate some information about the reliability studies carried out in Denmark. See 7a) below.

5. TC205 honour lecture at next ICSMGE (Krebs Ovesen lecture) (item 5c of previous minutes)

Brian Simpson Noted that he had submitted a request for this to the President and Secretariat of ISSMGE. He mentioned that the lecture may draw on the key findings of the state of the art report. Work ongoing. *Post meeting note: Annex A below contains a reply from the Secretary of ISSMGE indicating the present state of thinking about honour lectures.*

6. Progress on TC205 State of the art report on Safety and Serviceability in Geotechnical Design (item 5d of previous minutes)

**Colin Smith** to circulate an example of what this might look like to TC members.

7. Review/summary of recent papers relevant to TC205

   a) Calibrating partial factors for Danish railway embankments using probabilistic analyses Michael R. Lodahl*, Kristian T. Brødbæk, Carsten S. Sørensen
   b) Ultimate limit state design of retaining walls with numerical methods, Katsigiannis, Ferrerira, Fuentes

8. Meetings

      No-one was present in the tele-conference who attended the conference. **Brian Simpson** agreed to seek comments from Limin Zhang.

      TC205 meeting will go ahead at the conference as a 90 minute workshop joint with ETC10 and TC304, followed sequentially by workshop on numerical
methods (ETC7).
Possible topics to include:

i. Ease of use,

ii. Anchors, Piles, Characteristic values (though it was noted that this may be more informative than discursive),

iii. Water pressures,

iv. SLS?

It was also noted that the discussion could revolve around the submitted papers depending on quality. Very short presentations (eg 3 minutes) would be requested, not re-presentation of the papers.

c. ISSMGE pan-American conference in Buenos Aires, 15-18 November 2015. It was noted that TC304 are involved in this. Members are asked to express any enthusiasm for a TC205 involvement.

d. GeoSNet Conference Rotterdam 13-16 October 2015

There was a consensus that there was an overlap with the Edinburgh conference. Possibility of double presentation of papers was aired.

e. 15th ISSMGE Asian Regional Conference in Fukuoka, Japan, 9-13 November 2015. Noted that TC304 are having a session.


g. 10th Int. Conf. on Stress Wave Theory and Testing Methods for Deep Foundations, June 2016 Boston MA., USA

h. TC304 & ASCE GI-RAM Mini-Symposium (MS-15) “Reliability of Geotechnical Structures” in ICASP 12, July 12-15, Vancouver Canada (abstract due June 20 2014)

9. Internet forum topics – propose ideas for topics for debate.

Colin Smith to invite Malcolm Bolton to the next meeting and to prepare for circulation a short document outlining his views on the methods of calculating the serviceability limit state in geotechnical design.
This is looking towards the TC producing a section on serviceability in a state-of-the-art report.

10. Future meetings of TC205.

It was agreed to adopt a “quarterly” programme with no summer or March/April meeting, ie meetings in January, May and October. Dates to be polled for 2 months in advance.

It was agreed that future tele-meetings should have a specific focus / topic on which a more in-depth technical discussion could be based:

- Serviceability to be the topic of the October tele-meeting.
• January meeting to focus on papers received from committee members (see (7) above).

Tony Allen mentioned a Sharp new standard for implementation of reliability based SLS calculations for AASHTO bridge foundation specifications – TA confirmed after the meeting that the report was in fact publically available here:

The first website is an overview of the project and report, and the second website is a link to the report itself.


http://www.trb.org/Main/Blurbs/170201.aspx

11. Any other business.

Low attendance at the meeting was noted, this is probably due to being the summer period. Brian Simpson to email TC members to see whether running dual meeting (as done previously) would make a difference to the attendance.
Annex A

Email from the Secretary of ISSMGE indicating the present state of thinking about honour lectures

From: Neil Taylor [mailto:secretary.general@issmge.org]
Sent: 19 July 2014 12:33
To: Brian Simpson
Cc: Smith - Colin; frank@cermes.enpc.fr
Subject: RE: Honour lecture at ISSMGE Seoul conference

Dear Brian,

You raise two issues – the creation of an Honours Lecture and whether or not some TC Honours Lectures will be presented in Seoul.

The latter point will be discussed by the ISSMGE Board at their next meeting on 12 September. I do not know what the outcome of that discussion will be but I can imagine that there will be at least some Honour Lectures presented in Seoul. Some TCs, of course, will continue their practice of keeping their Honour Lecture within their own TC conference. A criterion adopted in Paris was that the Honour Lectures presented had to be done so for the first time i.e. they could not be a repeat performance. It is likely that this criterion will be continued.

Regarding the first point, the procedure for creating an Honour Lecture is detailed in the guidelines for TCs which the Technical Oversight Committee is finalising. However, for simplicity, the section on Honour Lectures is copied below.

Best wishes

Neil

HONOUR LECTURES ESTABLISHED BY TECHNICAL COMMITTEE

Criteria and process for creating and naming Honour Lectures
The initiative for establishing an Honour Lecture should normally come from a TC. If a new Honour Lecture is proposed by others to ISSMGE, the President is to select a TC to deal with the matter.

The TC proposing an Honour Lecture shall have the support of at least 75% of its Members for creating the Lecture before it can send the proposal. In that process, the TOC shall have the possibility of providing its opinion before the President and the Board approves or rejects the proposal.

As part of establishing an Honour Lecture, a decision will be made on the frequency (yearly, biennially or at other intervals), as well as the venue for the lecture. The venue shall be within a regular conference arranged by a TC and/or the ISSMGE. The criteria for selecting the Topic and Name of the Honour Lecture include:

1. The Topic of the Honour shall lie within the topic of the TC.
2. The Honour Lecture shall contribute to enhance the knowledge dissemination within the field of a TC.
3. The Name of the Honour Lecture can be the name of a person (or several persons) who contributed significantly and undisputedly to the field of the Topic. This person should also have played an active role in disseminating his/her works through publications and lectures. The person may be alive or dead.
4. The TC should prepare a list of three alternative Names for the Lecture. The proposed Name shall be decided by simple majority by the TC members. The proposed Names shall be let known to the TOC.
and the ISSMGE President. The final decision on the Name of the Honour Lecture lies with the President.
The lifespan of an Honour Lecture shall be a minimum of 8 years. If extended beyond that, it shall be dealt with as a new Honour Lecture. If a TC is discontinued, the Honour Lecture is also discontinued.

Criteria and process for the selection of the Honour Lecturer
The TC recommends the name of the Lecturer. In that process, the TC shall consider at least three alternative candidates. All TC members can propose candidates. The TC members shall rank the candidates. All TC members shall have the opportunity to vote via e-mail on 2-week notice. The selected candidate shall have the support of at least 50% of the TC members.

The Lecturer shall be a member of the ISSMGE and be recognized as a national or international expert within the field of the Topic. This would normally mean that the Lecturer has published several papers, books or other publications on the Topic. Alternatively, the Lecturer may have made a recent major contribution to the Topic.

The selection criteria shall not include Nationality of the Lecturer, i.e. a Lecturer may come from the same country or continent as the previous Lecturer. There are no requirements to education or position. Practicing engineers and persons from the academia are equally eligible.

The TC Chair shall inform first the ISSMGE President and the TOC of the name of the selected Lecturer. If there is some disagreement with the proposed Lecturer, one or several alternative candidates should be proposed to the TC Chair. If agreement is not reached, the TC makes the final decision.