

ISSMGE - TC201

Geotechnical Aspects of Dykes and Levees, Shore Protection and Land Reclamation

Newsletter April 2011

Dear Reader

This is the first newsletter of the ISSMGE Technical Committee 201: geotechnical aspects of dykes and levees, shore protection and land reclamation. The intention of the newsletter is to keep all members informed on coming activities of our TC. Hopefully, this newsletter helps to improve the interaction and cooperation between the TC members.

This edition is focused on the meetings we are planning, Delft May 23rd 2011, Rostock May 31st 2012 and Paris September 1st 2013. Besides the meetings we would like to draw your attention to the table in section 6. The idea is that each member fills out his / her main topics of interest (max 5 words) for the coming years. In this way we intend to make an overview on who is doing what and to see where links and common activities are possible.

Meindert Van (Chairman TC201)
Cor Zwanenburg (Secretary TC201)

1. Terms Of Reference

During the coming Delft meeting we hope to up date the Terms of Reference for TC 201. For now, the terms of reference are stated as follows:

1. discussion state of the art and developing the science and engineering in order to increase fundamental understanding and modeling of strength, deformation and erosion behaviour of soils and failure processes of dikes, dunes, (underwater) dams, reclaimed land, man-made islands and ports in river and coastal zone.
2. contributions to the international congresses of the society to increase the quality of design by including experience, such as large scale tests, case histories, failures, measurements, simulations and artificial knowledge
3. encouraging international collaboration of experts in multidisciplinary developments of new techniques for constructing and maintaining safe and reliable protection works
4. producing technical reports and encouraging international training and meeting in this research field and exchange experience and ideas on improving communication to other researchers, public and politics for more alertness and awareness

2 Meeting Delft May 23rd 2011

The first meeting of TC201 will be held in Delft on May 23rd. The meeting is attached to the international course Understanding Dike Safety which will be held from May 24th to May 27th. The international course is one of the TC activities started in the previous period and is further explained in section 3.

The main focus of the first TC meeting is getting to know each other. Once we have a good impression of each other's work field we can detect possible common activities. In the programme of the meeting, see below, we reserved 20 minutes for each attendant to explain the ongoing (building) projects or research in his / her country and institute.

The meeting will be held at Deltares, location Stieltjesweg 2 in Delft. How to reach the location is explained by <http://www.deltares.nl/en/contact>. Please Note that Deltares has two locations In Delft. The meeting will be held at the location Stieltjesweg.

The following programme is suggested:

10:00	10:30	coffee
10:30	10:45	Opening / introduction by Meindert Van
10:45	12:00	research activities / interest by chairman and secretary
12:00	13:00	Lunch
13:00	14:00	research activities / interest by 3 attendants
14:00	14:15	break
14:15	15:15	research activities / interest by 3 attendants
15:15	15:30	break
15:30	16:30	research activities / interest by 3 attendants
16:30	16:45	break
16:45	17:30	wrap up; finalizing ToR and plans for the future
17:30	18:00	any other business
18:00	...	drinks

3. International course Understanding Dike safety

From May 24th to May 27th the international course Understanding Dike Safety will be held in Delft. The course is one of the TC activities started in the previous period and has been held successfully on a yearly basis since 2007. More information on the course can be found on <http://www.deltares.nl/en/cursus/205905/understanding-dike-safety>. It should be noted that people who are interested can still attend the course. The above link describes how to register. The course programme is also presented by the above given link.

Understanding dike safety



Professional Development hours (PDH's): 19

Supported by:



Course background

Millions of people have been affected by floods in Europe over the past century. Climate changes and sea level rise will increase the risk on floods even more. This imposes a high demand on the organisations responsible for dikes and their maintenance. On one hand increased sea and river water levels require higher crest heights for retaining structures. On the other hand they provide different loading or can invoke failure mechanisms previously unconsidered.

In the Netherlands several management systems are under development that will help organisations and authorities to make the right decision at the right time. These systems are able to predict situations based on experience and artificial intelligence.

Data

- 24-05-2011 - Stieltjesweg, Delft

Course leader

- Meindert Van, Cor Zwanenburg (Deltares)

Course duration

- 3 days + 1 optional excursion day

Costs

- 1,450.-- (50% discount for students)

4. Meeting at the Baltic Sea Conference 2012.

The 2nd committee meeting is planned during the Baltic Sea Conference, Rostock Germany, May 31st to June 2nd 2012. Note that the date for submission of papers has expired. We hope that we get the opportunity to fill a session with TC201 related topics during the conference. More information is found on <http://www.12bsgc.de/>.



5. Meeting at the international soil mechanics conference in Paris 2013

The 3rd committee meeting will be held during the 18th International Conference on Soil mechanics and Geotechnical Engineering, Paris, 1-5 September 2013. A website with information is in progress.



6. Fields of interest

The table below gives the present members, their e-mail addresses and their fields of interest. For most members the column "fields of interest" is still empty. The idea is that you all provide the secretary in maximum 5 words the topics you will be working on for the next 5 years. When we all know each other's current field or nearby future field of interest it should be more easy to find common activities. As an example, we already filled out the fields of interest for the chairman and secretary.

Meindert	Van	Meindert.van@deltares.nl	flood protection, dike technology, failure mechanisms, crisis situations
Cor	Zwanenburg	Cor.zwanenburg@deltares.nl	organic soil, field experiments, lab testing
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7. Next Newsletter

The next newsletter will be send around at October 15th. Please provide all available information to the secretary Cor Zwanenburg, cor.zwanenburg@deltares.nl.