

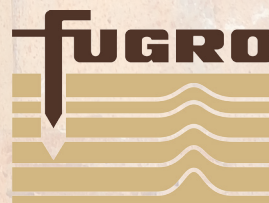
Newsletter of Dispuut Geo-Engineering "De Ondergrondse"

DE MOL #3

August 2015



Main sponsor of "De Ondergrondse":





De Ondergrondse has been working together with the Dutch engineering association “KIVI Geotechniek” for quite some time now. In order to make this cooperation even better, KIVI Geotechniek is offering the students of the Geo-Engineering section the possibility to join the activities hosted by KIVI Geotechniek. These activities vary from excursions to conferences and more, for most activities you need to be a member of KIVI Geotechniek and most are organized in Dutch language. In order to become a member students pay a reduced fee, however KIVI geotechniek offers students of the Geo section a special offer: the first 10 registration don't have to pay any fee! If you would like to become a member of KIVI Geotechniek, send an email to info@ondergrondse.nl.

Furthermore I would like to inform you about the best graduate price, this price is handed to the best graduate every year, students can also nominate each other by sending an email to ellen.teriele@deltares.nl or you can contact us for more information.

Upcoming KIVI activities can be found in the agenda of this Mol and even more at <https://afdelingen.kiviniria.net/geotechniek/>

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Colophon

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Colophon

Circulation: 300
Editor: Christian Rasch

Cover

Building pit Gothenburg

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Afsluitdijk - The Netherlands

Next edition

Deadline: 7th of November 2015

From the board

by David Kunst

The academic year has ended and with that, the summer holidays have begun. The 3rd 'Mol' of this year will discuss the activities that have been organized lately and will also contain a small announcement from the board. So read on to find out what has been on the Geo-Engineering students' minds.

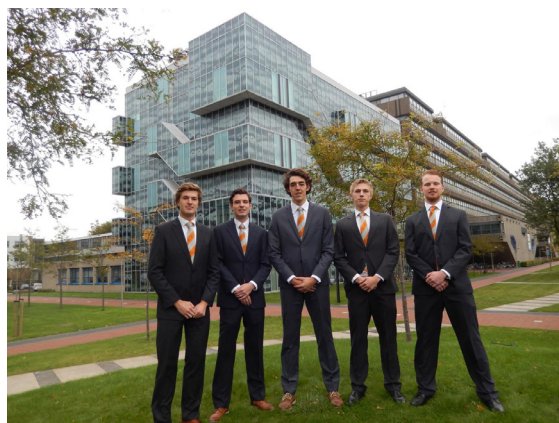
In the last quarter, many of our first year, and some second year, students took on some challenging courses. Besides the always laborious 'Coupled Processes in the subsurface', they also took electives that required a lot of time and effort. Still they managed to find the place and time to join most of our activities.

The activities of the last period were a bit more focused on the bachelor students. While our students are always welcome, we also invited bachelor to come and have a drink with us. Although it wasn't a run on our free beers, still a fair amount of bachelor students joined, some asking questions and other already doing some socializing before they start next year. Together with PS we also organized a lunch lecture for both bachelor as well as master students. It was an interesting lecture of which a small article can be found in this 'Mol'.

Not only our activities were focused on next year, we have also been busy with next year. For 2 months now, Tom Laumen has taken over Geert's tasks as commissioner of education. He was thrown to the lions with these tough courses and critical teachers, but he is doing pretty good so far and putting a lot of effort in. I would like to thank Geert for taking up the task of the first commissioner of education and being a fun and kind person to work with.

We closed the academic year with a BBQ, which was very well attended and a lot of delicious food was eaten and many beers were drunk. Everybody had a good time and was celebrating the ending of another academic year. It was good to see so many of you together, both staff and students, just before leaving. Either back home across the world, to their internship address or on a well-deserved holiday, because everyone has earned one in my opinion.

Have a good year, don't forget to think about 'De Ondergrondse' every once in a while, maybe take a nice picture geo related for the next 'Mol' and I see you all in this academic year! •



Nederlands kenniscentrum
voor ondergronds bouwen en
ondergronds ruimtegebruik





Company Dinner

by **Max Arts**

Although it is quite a while ago, it is worth mentioning the company dinner of last April. Two companies were invited to join the dinner: Nationaal Watertraineeship and Grontmij. The purpose of this company dinner is to have informal conversations with the employees sent by Nationaal Watertraineeship and Grontmij. Selection of the participants is done by the companies and based on CV. One of the interesting aspects of this dinner was that the two companies were different in how they approach their work. Grontmij is operating in a more traditional way than Nationaal Watertraineeship. The company last mentioned offers traineeships at several water related companies. The interesting about this, is that you can have a look at different aspects of work before you start settling at one place.

After every course, seat places were changed in order to make sure everyone had a conversation with employees from both companies. The dinner was concluded with some drinks, while contact details were given by the employees. Hopefully some of us can benefit by arranging an internship, traineeship or job at Grontmij or Nationaal Watertraineeship. •



Lunch Lecture Tensar

by **Edwin Kester**

In cooperation with study association PS, De Ondergrondse has organized a lunch lecture about geosynthetics from the company Tensar, the lecture took place on Tuesday the 9th of June. Tensar is a company that operates on a worldwide scale, the focus of this lecture was on the application of a geogrid in an embankment at a project in the northern part of the Netherlands.

The lecture was very interesting! •



CRUX





business course Masterplan Jakarta 17 november 2015

Heb je altijd al willen weten hoe het is om bij een ingenieursbureau te werken en mee te denken over de bescherming van Jakarta tegen het stijgende waterniveau? Een veelzijdig internationaal project met uitdagingen op het gebied van gebiedsontwikkeling, sanitatie en waterbouw in een metropool met een miljoenenbevolking. Een van 's werelds grootste waterbouwkundige projecten!

Schrijf je dan nu in voor onze business course Masterplan Jakarta die plaatsvindt in Deventer. Inschrijven kan tot dinsdag 10 november 2015.

www.witteveenbos.nl/businesscourse
www.facebook.com/witteveenbos



Witteveen+Bos business course Masterplan Jakarta - 17 november 2015

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Met een team bestaande uit studenten van diverse richtingen ga je aan de slag met dit complexe vraagstuk. Daarnaast maak je direct kennis met ons met het oog op bijvoorbeeld je stage, afstudeeropdracht of baan.

Wie zoeken we?

Ben jij in de eindfase van je academische studie civiele techniek, bouwkunde, construction management and engineering, systems engineering, policy analysis & management of transport, infrastructure & logistics of heb je affiniteit met één van deze vakgebieden én ben je daarnaast ondernemend, creatief, enthousiast en vind je het leuk om samen te werken met anderen, meld je dan nu aan! Schrijf je **voor dinsdag 10 november** in via www.witteveenbos.nl/nl/businesscourse-masterplan-jakarta!



Tunnel Engineering Consultants

Study Trip

Riga and Gothenborg

by Geert Reuver

In the first week of July the annual study trip of De Ondergrondse took place. This year the trip visited the Cities Riga in Latvia and Gothenborg in Sweden. The travel committee organised a week of activities, both study related and cultural.

On July 4 a group of 17 students (including me) and Leon v. Paassen gathered together on the airport of Eindhoven. From here we flew to Riga (Latvia) to start the first 3 days of the trip. After a bit of a bumpy flight with WizzAir and a bus drive from 30 min we walked towards the inner city of Riga where our hostel was located. After that we had a nice evening in the city with the whole group where we explored the nightlife of Riga. The next day a project day was planned. We went by bus to the outer parts of Riga in the harbor area. We first got a presentation from the project engineer of Witteveen and Bos about the harbor extension project and the pretty unusual Russian norms that are used for the design (which do not account for settlement, only strength calculations are performed). After the presentation we made a walk over a finished as well as a harbor still under construction. On the way home we stopped at a freshly constructed railway embankment of approximately 10 meters high that was constructed on clayey soil without taking account of the settlement or excess pore-water pressure that occurs as a result of this. Hereafter we had a lunch and than a walking tour with a guide through the inner city of Riga, which we then found out was actually pretty small. The evening was again filled with dinner and nightlife (nice terraces with live music and overloaded with people).



The next day we were again picked up by a bus to drive for 2.5 hours to the city of Ventspils. This coastal city had to offer another harbor extension/repair project. On the moment we came there, we found out that it was an already finished project similar to the one in Riga and therefore there was not much new to see (which was a bit of a pity after 2.5 hours of driving). Nevertheless we made the best out of it and drove to the connection of the harbor with the sea and walked up a view tower that gave us a very good view over the harbor. After this we had a warm lunch in one of the harbor restaurants and drove back to Riga. Here there was nothing planned for the evening except the usual dinner and nightlife program.

The next day included traveling from Riga to Gothenborg with an intermediate stop of 1 hour in Stockholm (change of plane). We arrived at approximately 17.30 at the Hostel and could chill for a bit before we went out for dinner and could explore the nightlife in the city center (which was about 30 min walking from the Hostel). Due to bad weather forecast in the afternoon a change in plans was made on the next day. We now first went to the city park where we could walk around and visit a museum. Some went in the



moment they were constructing the entrance parts of the tunnel and with the very good and clear presentation from one of the project engineers and the walk over the project site we got a good understanding of the complex project. A similar clear and interesting presentation we got at Skanska, where after we made a walk over the project site. The interesting day we ended as usual with a good dinner and a nightlife program.

On the next day, including very good weather, we traveled to the harbor of Goteborg where we got onto a ferry leading us to one of the many islands lying in front of the coast of Goteborg. Here we spend most of the day chilling swimming and walking around the island. The evening was this time just including dinner and chilling at the hostel since we were traveling in the middle of the night (leaving the hostel at 4 am) back to Holland.

That night we flew at 6.30 am from Goteborg via Copenhagen back to Amsterdam ending this very interesting and fun trip. •

museum and some just for a walk through the park. At around 15.00 we went of to the Volvo museum. Due to missing a bus the trip took a bit longer than expected and now we only had 45 min in the museum before closing time. Still it was enough time to see how the cars and other motorized vehicles developed over the past 100 years. The evening included the same recipe as usual.

The next day we visited two closely located projects. An immersed tunnel build by Zueblin and the other a railway bridge constructed by Skanska. At the





Upcoming activities

September 24

Geodrink

October 6

Company Day Fugro

October 7

COB Projectenmarathon - Dutch

October 13 - October 16

International Symposium on Geotechnical Safety and Risk (ISGSR)

November 3

Geotechniekdag KIVI - Dutch

November 17

Business course Witteveen+Bos - Dutch

December 10

COB Congress - Dutch



