

### Introduction

The CME newsletters focus on interesting and current topics in the field of the Master's programme in Construction Management & Engineering (CME).

This newsletter informs you about:

- Serious gaming in education
- Common CME Kick-off day
- TUD student win ESCL thesis prize
- Study Tour Concept (UT)
- of CoUrsE! (TU/e) Study Tour
- 3TU-CME Master's Thesis Award
- Career perspectives

We hope you will enjoy reading this newsletter.

### Serious gaming in education

For the 3TU, the University of Twente is developing an attractive and innovative serious game for educational purposes during the Master. Serious games are simulations of real-world events or processes designed for the purpose of solving a problem. Although serious games can be entertaining, their main purpose is to train or educate students. Serious games are games that are designed to help students to learn about certain subjects, expand concepts, reinforce development, understand processes, or assist them in learning a skill as they play. Three good reasons for serious games from a theoretical point of view:

- 1) Learners tend to be more motivated;
- 2) Serious games also cover and address motivational aspects;
- 3) They enable as well as foster learning by doing.

The serious game at the University of Twente will be developed for the Asset Management course in the fourth semester. By playing the game, students will be the problem owner in a specific case in Asset Management. In an overarching context (a road network for example) students will learn and experience during individual modules where specific actions in Asset Management will lead to. The games will be simulations of real-world problems, and a challenging competition will be integrated.

Interested in this course? Information will be available soon at [Osiris](#).

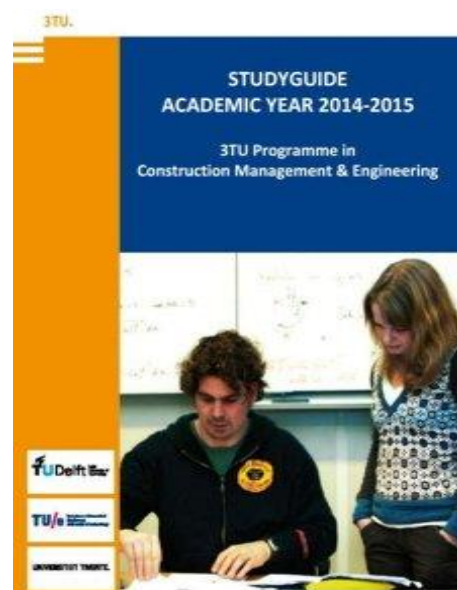
This course is also open for TUD and TU/e students. See [the 3TU website](#)

### Common CME Kick-off day

On Thursday the 4th of September 2014, the common CME Kick-off day has been organised in Delft. All students of CME at Delft, Eindhoven and Twente who started their programme in the second semester 2013-2014 or in the first semester of 2014-2015 were invited.

During this day, the possibilities at each location were shortly introduced to the new students, there was a CME MSc Thesis award ceremony, and the first two courses in Legal & Governance were provided live. The day ended with drinks in the PSOR café.

At this day, also the new 3TU CME study guide was provided. In this study guide you can find all information about the specialisations, procedures, contacts and courses at the 3 locations. You can click the picture below to [download the 2014-2015 study guide](#).



### TUD-CME student prizewinner during the Annual ESCL Conference in Milan

On the 9th of October, during the Annual Conference of the European Society of Construction Law (ESCL), the award ceremony of the ESCL Master Thesis Prize 2014 took place. In assessing the scientific quality of the thesis, the jury evaluated the following aspects of the theses: originality of the topic, approach/quality of analysis, approach/quality of presentation, interest to construction law and construction professions.

Antonis Megremis (CME@TUD) was awarded the second prize with his MSc Thesis *"Abnormally Low Tenders: Objectifying Detection. Working towards economically sustainable procurement through a framework for the contracting authority to objectify the detection of abnormally low bids"*.

The jury has come to a decision on this second prize, based on a written assessment of the theses and a conference call discussion.

The Jury: *"The author engages with a theme of great significance. Its legal analysis reveals an original approach (particularly interesting is the empirical approach to the survey) and leads to interesting conclusions, particularly useful to the European legislator."*

Interested in Antonis' Thesis work?

See: [repository.tudelft.nl](http://repository.tudelft.nl)

### Study Tour Concept (UT) Argentina & Uruguay

Every two years civil engineering study association ConceptT from the University of Twente organises a 3-weeks intercontinental study tour for students in the last year of their Bachelor or in their Master. For the 21 ConceptT-members who participated, the study tour is one of the highlights of their studies. The international location, the group of students and supervisors and the busy program with excursions and site visits make it an unforgettable experience.

The purpose of a study tour is to see the civil engineering environment in another culture. In preparation of the study tour, studies are performed around a main theme (collaboration between two neighboring countries), and give a good preparation and reflection of the tour. During the tour Buenos Aires, Rosario, Salto and Montevideo were visited. Although there was some time to enjoy the culture (the tango, the meat, the wine and the soccer) a busy schedule had to be followed. Twenty-two organisations were visited, and this ranged from universities to a concrete producer. One of the most appreciated excursions was the one to SRK Consulting, a consulting company that is involved in the building of a new metro line in Buenos Aires. After an introduction about the project there was the chance to see the building site itself and to walk through the newly build tunnel. During this and the other excursions a lot of information is collected about the countries and their collaboration.

Conclusions and opportunities have been drawn from this and will be published in the final report. Besides, there will be a symposium on Friday the 9th of January to share the experiences with a broad public (more information can be found on the website:



### of CoUrsE! (TU/e) Study Tour 2014 – U.K.

On May, 2014 a group of 26 people integrated by 21 CME students and 5 staff members visited the United Kingdom (U.K.). During eight days, the CME delegation visited the cities of Liverpool and Manchester. This tour consisted on a perfect combination of educational and leisure activities.

Liverpool received the committee with a typical Dutch weather: a cloudy, cold morning. After the accommodation and the traditional fish & chips for lunch, the group headed to the first company visit: the office of the Local Enterprise Partnership (LEP) of Liverpool; here the students had their first glance into Liverpool's harbor. The LEP is a non-profit organization which stimulates Liverpool's economy; focusing on the key sectors: knowledge economy, low carbon economy, Super Port and visitors' economy.

In this city, CME students gained insight about the Urban Planning master program from the University of Liverpool just before visiting the Peel Group project 'Liverpool2'. 'Liverpool2' is an expansion project of the Port of Liverpool with an aim to increase its container capacity. To visit the construction site students dress up with a complete engineer-kit. Besides this activities the group wanted to enjoy the culture. For this, a group dinners were held, the students visited the club where 'The Beatles' had their first performance, experienced a typical English activity: horse races, had a drink in traditional pub watching the Champions League final, and a city tour was guided by our very own CME student. The last evening in Liverpool was free for students to enjoy the city; some people went to the Anfield stadium, others to national museums, some just went to a pub, and the rest to a little authentic village called 'Port Sunlight'.

The city of Manchester was the second and final destination; aided by a professional city guide, the group had a tour around the city. The city looked more developed than the city of Liverpool, impression caused by more colorful streets, and more green spaces. URBED Company experienced in 'retrofit', was the first company visited in Manchester.

This city also contained the busiest day of the trip; the day began with presentations at the Hexagon Tower in the Northern part of Manchester, a tour through the Whitebeck Court, a city Town Hall visit, and finally a presentation at the University of Manchester.

In Manchester the group also visited the CBRE Company who is currently working in the business center 'Manchester Airport City' at the airport. Airport City is a £800m landmark property development, which is set to become a globally connected business destination. Unfortunately, all comes to an end, the last company visit was made to the BAM Football Academy. After some busy, long, cloudy, educational and enjoyable days, the delegation had to return home, a bit tired but most importantly happy because of the unforgettable memories created during the trip!

For more detailed experiences about the tour to U.K. you can visit the website, <http://www.ofcoursecme.com/study-trips/tour-14> where the program book, and the study cases reports can be found. Next stop for of CoUrsE! Study Trip will be U.S.A. visiting the cities of Boston and New York in 2015, therefore we will have more experiences to share soon.

of CoUrsE!



### 3TU-CME Master's Thesis Award for Jella Jongerius

*Jella Jongerius (TUD) is the winner of the 3TU Construction Management and Engineering Master's Thesis award 2014. On the 4th of September, jury chairman Rob Roef (Construsoft) awarded her at the 3TU CME kick-off day at the University of Delft with a cheque to the value of €1000,-.*

The Master's thesis of Jella Jongerius is about improving Quantifiable Performance Indicators (QPI) in Best Value Tenders. Under supervision of Prof.dr.ir. M.J.C.M. (Marcel) Hertogh, Prof.mr.dr.ir. S.C. (Sicco) Santema and Ir. H.C. (Cigdem) Demire, she performed her project at Grontmij Nederland BV.

Her Master's thesis is chosen by an independent jury from the industry as the best thesis of over three locations. The other nominees for this award were:

- TU Eindhoven: Bob van Bronkhorst – Demand, Supply and Policy; A quantitative analysis of the business- premise and land market;
- Universiteit Twente: Simon Hoitema – Simulatie binnenstedelijke rioleringsprojecten.

According to the jury from industry, the winning MSc Thesis should have a clear management summary, contain an actual subject, is practical applicable and is written short and to the point.

#### Quantifiable Performance Information, the road to winning tenders

The principle goal of Jella's research was the development of a model for companies to improve the manner how they collect and apply QPI in tenders. Although engineering companies often are aware of their strengths it seems to be difficult for them to translate this to QPI and substantiate in a dominant way that they are the expert for a certain project. A problem becomes visible between the use of QPI at this time by vendors, and the standard of QPI that is expected by the clients to be able to successfully participate in tenders. This gap had to be explored and closed.

The 3TU Construction Management & Engineering Master's thesis award is created to give excellent graduation work of CME the attention among a wider audience. For each of the three universities where the CME Master is taught, one graduation projects was nominated.

At the moment, Jella is working at Grontmij as a consultant at the Transportation & Mobility division. At Grontmij she is engaged in tenders, contract formation, contract management and project management.

### Almost finished your MSc in CME?

Think about the 2-year Post-MSc design programmes in Civil Engineering (UT), Smart Energy Buildings and Cities (TUE) or Comprehensive Design in Civil Engineering (TUD). These practical PDEng programmes at Twente and Delft combine an educational part at the University and a practical design part at an organisation. During the 2 years, you will be employed at the University and you will receive a salary.

At the moment, the PDEng in Civil Engineering at Twente has several interesting open vacancies at [ZoArg](#) and [ASPARi](#). For these projects there is a highly need for talented graduates with a special interest in design cases. For more information about the projects, see:

- [PDEng projects at the ASPARi cooperation](#)
- [PDEng projects at the ZoArg cooperation](#)

For more information about the PDEng in Twente, please look at the website or contact Peter Jansen.

Website: [www.utwente.nl/pdeng](http://www.utwente.nl/pdeng)

Email: [p.jansen@utwente.nl](mailto:p.jansen@utwente.nl)

For more information about the PDEng in Delft, please look at [this website](#).

For more information about the PDEng in Eindhoven, please look at [this website](#).

