

Workshop

30/11 – 01/12/2011

Delft University of Technology, Delft, The Netherlands

Safety Concepts and Calibration of Partial Factors in European and North American Codes of Practice



Motivation

The objective of this workshop is to transfer knowledge between European and North American experts on safety concepts and calibration of Codes of Practice. Speakers will describe their national approach and the code choices made in terms of design, partial factor values and target reliability levels. The overall aim is to identify advantages and limitations as well as similarities and differences between the code approaches and, thereby, to get an overview of the state-of-the-art and generate ideas for future developments.

This informal lunch-to-lunch workshop is free of charge and will take place at Delft University of Technology from November 30th to December 1st, 2011. Participants need to arrange their own transport and accommodation (information provided below).

Preliminary schedule:

Wednesday, 30/11/2011

12:30 - 13:15	<i>Registration / Small lunch</i>	
13:15 - 13:30	M. A. Hicks	<i>Opening</i>
13:30 - 14:40	G. A. Fenton	<i>Load and Resistance Factor Geotechnical Design Code Development in Canada</i>
14:40 - 15:50	S. Paikowsky	<i>LRFD Calibration and Implementation of Strength and Serviceability Limit States - Review of Research and Lessons Learned</i>
15:50 - 16:10	<i>Coffee break</i>	
16:10 - 16:45	A. J. van Seters	<i>The Dutch approach on geotechnical design by Eurocode 7</i>
16:45 - 17:20	J.-P. Magnan	<i>Implementation of Eurocode 7 in French practice by means of national additional standards</i>
17:20 - 17:55	<i>Speaker to be confirmed</i>	
20:00	<i>Dinner</i>	

Thursday, 01/12/2011

9:00 - 9:35	B. Simpson	<i>Reasons for British choices of design approach and partial factors</i>
9:35 - 10:10	B. Gajewska	<i>Eurocode 7 and Polish Practice</i>
10:10 - 10:30	<i>Coffee break</i>	
10:30 - 11:05	K. Lesny	<i>Implementation of Eurocode 7 in Germany and consequences for practical design</i>
11:05 - 11:40	H. Schneider	<i>Dealing with uncertainties in EC7 with emphasis on characteristic values</i>
11:40 - 12:15	T. Orr	<i>Experiences with the implementation of Eurocode 7 in Europe</i>
12:15 - 12:50	<i>Lunch</i>	
12:50 - 13:50	A. J. Bond	<i>Evolution of Eurocode 7 (10-15min) + Panel discussion</i>
13:50 - 14:00	B. Simpson	<i>Closure</i>

Organising committee:

Michael A. Hicks	TU Delft
Brian Simpson	Arup Geotechnics
Gordon A. Fenton	Dalhousie University
Timo Schweckendiek	Deltares / TU Delft
Patrick Arnold	TU Delft

Speakers:

Andrew J. Bond is Director of Geocentrix (Surrey, UK) and Chairman of the TC 250 / SC7¹. He is vice-chair of the ETC 10⁴, member of the TC 205² and co-author of the book *Decoding Eurocode 7*.  

Gordon A. Fenton is Professor at Dalhousie University (Canada) and currently a visiting Professor at Delft University of Technology (Netherlands). He is vice-chair of the TC 304³ and member of the CSA A271-6⁶. His current research interest includes the development of a rational reliability based geotechnical design code.  

Beata Gajewska is a Senior Engineer at the Road and Bridge Research Institute in Warsaw (Poland). She is a member of the PKN KT 254⁵ and member of the TC 250 / SC7¹.  

Micheal A. Hicks is Professor of Soil Mechanics and Head of Geo-Engineering at Delft University of Technology (Netherlands). One of his main research interests is the characterisation and modelling of heterogeneity in soils, rocks and other geomaterials.  

Kerstin Lesny is a Senior Lecturer at the University of Duisburg-Essen (Germany). She is a member of the TC 205² and committee member of the TRB - AFS 30⁷. Among her main research interests are the consistent description of serviceability and ultimate limit states of shallow foundations and the evaluation of model uncertainties.  

Jean-Pierre Magnan is the Director of the Department of Geotechnical Engineering, Environment and Risks at the newly formed French Institute of Science and Technology for Transport, Development and Networks (IFSTTAR) and Professor at the Ecole Nationale des Ponts et Chaussées (Paris, France). He is a committee member of the TC 250 / SC7¹ and core member of the ETC 10⁴.  

Trevor Orr is an Associate Professor at Trinity College Dublin (Ireland). He is Chairman of the ETC 10⁴, committee member of the TC 250 / SC7¹ and member of the TC 205². Trevor is co-author of two books on Eurocode 7 and was organiser of the 2nd International Workshop on the Evaluation of Eurocode 7 held in Pavia (Italy) in 2010.  

Samuel Paikowsky is Professor and Director of the Geotechnical Engineering Research Laboratory at the University of Massachusetts Lowell (USA) and affiliated with Geosciences Testing and Research Inc.(GTR) of N. Chelmsford MA. He is a member of the TC 205², a committee member of the TRB - AFS 30⁷ and has chaired all the major AASHTO research teams for the LRFD AASHTO Foundations code calibrations in the USA over the past 12 years. Currently Samuel is a visiting Professor at the Swiss Federal Institute of Technology Zurich (Switzerland).  

Hansruedi Schneider is Professor at the University of Applied Sciences Rapperswil (Switzerland). He is a committee member of the TC 250 / SC7¹ and core member of the ETC 10⁴.  

Adriaan van Seters is head of the engineering department at Fugro GeoServices in Leidschendam (Netherlands). He is a committee member of the TC 250 / SC7¹ and member of the TC 205².  

Brian Simpson is a Director and Fellow of Arup Geotechnics in London (UK) and was one of the leaders in drafting Eurocode 7. He is Chairman of the TC 205², committee member of the TC 250 / SC7¹ and member of the ETC 10⁴ as well as the TC 304³.  

¹ CEN / TC 250 / SC7 Technical Committee on Structural Eurocodes/Geotechnical design

² ISSMGE - TC 205 Technical Committee for Safety and Serviceability in Geotechnical Design

³ ISSMGE - TC 304 Technical Committee for Engineering Practice of Risk Assessment and Management

⁴ ETC 10 European Technical Committee 10 for the evaluation of Eurocode 7

⁵ PKN KT 254 The Polish Committee for Standardisation in Geotechnics

⁶ CSA A271-6 Canadian Highway Bridge Design Code (Foundations) Committee

⁷ TRB - AFS 30 Transportation Research Board Committee on Foundations of Bridges and Other Structures

Hotels:

We recommend the following hotels, indicating the distance to venue and approximate rate for a single room per night.

Hotel Juliana	1.1 km	84 €
Hotel Leeuwenbrug	1.9 km	90 €
Hotel Johannes Vermeer	1.9 km	105 €
Hotel Grand Canal Station	2.0 km	90 €
Hampshire Hotel Delft	2.1 km	110 €

We advise you to book through a 3rd Party agent such as [Booking.com](https://www.booking.com) to obtain better rates.

Travel:

Schipol Airport (Amsterdam) and Rotterdam The Hague Airport are the two closest Airports to Delft. From Schipol railway station trains leave regularly in the direction of Delft with a travel time of 40-60 minutes. From the Rotterdam The Hague Airport we recommend to take a taxi for the 8km journey.

There are several highspeed railway connections to Amsterdam and Rotterdam. We recommend to change trains in Rotterdam into the regional train direction Den Haag. The travel time to Delft is approximately 10 minutes.

From Delft train station you can go on foot or by bus 69, 121 or 40 to the campus.

The TU Campus is easily accessible by car via the A13, exit Delft/Pijnacker and exit Delft Zuid/TU-wijk. There is free parking at the venue (Delft University of Technology). For participants travelling by car the Hampshire Hotel may be the most convenient option, for it has close and convenient parking facilities (10€/per day) which are situated at the edge of the city center.

Venue:

The workshop will take place in the Faculty of Civil Engineering and Geosciences (Stevinweg 1, 2628 CN Delft) in room 2.62. The building is marked as number 23 on this [map](#).

Delft:

Delft, which sometimes is called “*Little Amsterdam*”, was home to [Johannes Vermeer](#), one of the best known artists from the Dutch Golden Age, and is known for its world famous [Delftware](#). For more information on Delft visit the [Tourist information](#).

Registration:

Since the workshop is open with no fees involved, the number of participants is limited to 30 delegates. For registration please contact Patrick Arnold via email p.arnold@tudelft.nl until Friday the 11th of November. For further questions please send an email to the above address or call +31 15 27 81641.



Alternative [link to this Google Map](#).