

ETC3 WEBEX MEETING 08.01.2016 - MINUTES

Participants : Gary AXELSSON, Carlos FERNANDEZ-TADEO, Ole MØLLER, Maurice BOTTIAU (chair), Monika DE VOS, Noël HUYBRECHTS (secr.), Panu TOLLA, Adriaan VAN SETERS

Apologised : Christian MOORMANN, Jean-Paul VOLCKE

1. Minutes of the previous meeting of 16.09.2015 (Edinburgh)

Maurice introduces the meeting and welcomes the participants.

No remarks with regard to the minutes of the previous meeting.

Open actions from the previous meeting :

- ETC3 members : see point 2.
- More reference documents on the ETC3 website : action for **all ETC3 members**
- Actions with regard to the International symposium will be addressed further in these minutes.
- Guidelines dynamic load testing : starting point will be the general reports of discussion session 2 of the symposium.

The minutes are approved.

2. ETC3 members and liaisons

ETC3 representative(s) from the UK is/are still not confirmed : **John Powell** will try to solve this.

ETC3 representative(s) from the Netherlands is/are still not confirmed : **Mandy Korff** has confirmed that this will be solved soon (Feb ?) ; in the meantime **Adriaan Van Seters and Mandy Korff** will follow the ETC3 activities (but not officially)

New members :

- Ferenc SCHEURING replaces Jozef PUSZTAI
- David IGOE replaces Ken GAVIN

Liaisons : no changes

Turkey showed interest to become member of ETC3, but no further information.

3. ETC3 website : www.ETC3.be

On the ETC3 website one can find information on :

- upcoming and past ETC3 meetings (agenda/minutes)
- relevant documents
- the symposium (bulletins, templates, hotel reservation,...)
- ...



4. International ETC3 Symposium :

Design of piles in Europe. How did Eurocode 7 change daily practice ?

Leuven (Belgium), 28th – 29th April 2016

- **Actual situation :**
 - 70 participants (40 registrations + 30 lecturers & organisation)
 - 4 sponsors (Gold : Aarsleff, Franki Foundations, Fugro – Silver : ABEF)
 - call for additional sponsors : **all ETC3 members**

- **2nd Bulletin :**
 - sent 20th Nov 2015
 - will be resent 1 week before the deadline of early bird --> 25th Jan (**Monika**)
 - including detailed programme, link to the venue, registration fees
 - sent to the BBRI database, the nat. secretariats of ISSMGE, CEN TC250 SC7,...
 - on the websites of ETC3, DFI & DFI Europe, Belgian member society of ISSMGE
 - Maurice asks **all ETC3 members** to contact their nat. secretary of ISSMGE to ask for publishing the bulletins on their website. It seems more efficient to distribute the information via national organisations. **ETC3 members** are asked to distribute the information as wide as possible.

- **3th (Final) Bulletin :**
 - will be sent end of Feb (**Monika**).
 - updates : ETC3 members, titles, affiliations, sponsors, programme

- **Programme :**
 - Meetings preceding the symposium :
 - Tuesday 26th April 2016 : SC7 meeting (all day)
 - Wednesday 27th April 2016 (proposal) : SC7/WGs meeting (all day), Ground Engineering Professionals meeting (9.00 to 15.00), TC 212 meeting (15.00 to 17.00)
 - Ground Engineering Professionals meeting is rather informal, not only for members
 - Symposium :
 - An update of the programme is presented.
 - Special lecture “Deep foundations vs. soil improvement” : Replace “deep foundations” by “pile foundations”. **Noël** will contact Serge Varaksin to discuss about the content of this lecture.
 - Special lecture “R&D activities on pile foundations in Europe” : the lecturer is not yet determined. Mandy Korff suggests Ken Gavin. This suggestion is accepted. **Adriaan Van Seters** will ask Mandy Korff to contact him.

- **National reports :**
 - Up till now we received 10 National reports (see table below)
 - The report of Sweden is ready (**Gary**) and will be sent soon.
 - Spain has some problems to edit their report (Carlos). **Noël** will send a mail to CEDEX to ask for support.



- The report of the Netherlands will be prepared by **Mandy Korff and Adriaan Van Seters**.
- Report of the UK : Paolo Pitasi mentions that **Vanessa Burton** would probably coordinate the establishment of the UK-report.
- Other missing reports : Bulgaria, Czech Republic, FYROM, Germany, Ireland, Norway, Portugal.
- Not all reports are complete (see table below). If some points do not apply for your country, please leave this space empty, do not delete it.
- The table below will be sent to the contributors to inform them on the progress. Afterwards, the organisation will call them to remind them to send their report or to complete it. (**Monika**)
- To give the general reporters the opportunity to prepare their contributions based on the national reports, final deadline for the national reports is end of January. Feedback of the organisation : 15th Jan for the reports already received ; 5th Feb for the others. Final version : ASAP, but not later than 15th Feb.
- If there are no major remarks, the report will be sent to the general reporters before the final version is available.

	1. Geology	2. Soil investigation	3. Piling technology	4. National documents	5. Design method according to EC7	5.1 General principles	5.2 Definitions and symbols	5.3 ULS based on soil investigation test results	Axial compression	Axial tension	Lateral loading	Specific issues	Problems not covered	5.4 SLS	5.5 Design based on load tests	5.6 Design based on experience	5.7 Structural safety	6. Quality control, monitoring and testing practice	7. National experiences and databases	8. Design example		
AUSTRIA															x						x	5 p.
BELGIUM	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	38 p.
DENMARK	x	x	x	x	x	x	x	x	x													11 p.
ESTONIA	x	x						x							x				x	x		14 p.
FINLAND	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	22 p.
FRANCE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	21 p.
HUNGARY	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		12 p.
ITALY	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	21 p.
POLAND					x			x	x	x	x	x		x	x							17 p.
RUSSIA	x	x	x	x	x	x	x	x	x	x		x		x	x		x					20 p.

– **Design examples :**

- At the previous meeting, the following sites are chosen :
 - Nordic case : we received additional information after the meeting.
 - Site with clay : Belgian case 2.
 - Site with sand : French case. 3 CPTs are performed on site in Dec 2015.
- Deadlines :
 - Information will be sent to ETC3 members : 18th Jan (**Monika**)
 - Solutions : 15th Feb (**all ETC3 members**)



- The design examples to carry out will be available on the ETC3 website (subpage of "International symposium"). The not retained examples will also be available. **(Monika)**

- **Papers :**
 - The proceedings of the symposium will certainly be a reference document for the future. Therefore, papers are quite important.
 - The general reports will be drafted on the basis of the national reports prepared by the different countries. A written contribution is encouraged.
 - All national reports will be included in the proceedings.
 - The keynote and special lecturers are encouraged to deliver a written contribution to be included in the proceedings.
 - On the final bulletin, only the principal author or speaker will be mentioned. On the written contributions, several authors may be mentioned.

- **Deadlines :**
 - National reports available to the general reporters : 15th Feb
 - Results of the design examples will be available : mid of February
 - Written contributions sent to the organization committee : end of March
 - Presentations sent to the organization committee : 22th April

- **Registration of discussion leaders, general reporters & lecturers :**
 - Contributors are asked to register **(Monika)**

- **Templates :**
 - National report : OK
 - Lectures, general reports : OK
 - Presentations (ppt) : will be available soon **(Monika)**

6. Any other business

/

7. Next meeting

Monday 29th Feb 2 PM (WebEx).

ANNEX

AGENDA

1. *Minutes of the previous meeting of 16th Sept 2015 in Edinburgh + Actions*
2. *ETC3 membership & liaisons*
3. *ETC3 website*
4. *International symposium, Leuven, Belgium 28th – 29th April 2016*
 - *Bulletins*
 - *Programme*
 - *National reports*
 - *Design examples*
 - *Any other business*
5. *Any other business*
6. *Next meeting*

1. Minutes of the previous meeting

Edinburgh, 16th Sept 2015

Remarks ?

Subject	Actions	Responsible
UK/BGA should indicate 1 or 2 UK representatives	Several mails sent by Noël (last one : 17 th Dec 2015)	UK/BGA → J. Powell will activate this
NL should indicate 1 or 2 representatives	Several mails sent by Noël (last one : 17 th Dec 2015)	Paul → M. Korff will activate this
Turkey is interested to become member of ETC3		Monika
Reference documents on the website		All ETC3-members
International symposium 2016		See point 4
Guidelines dynamic load testing		Postponed (start = symposium)

2. Members & Liaisons

Country	Members period 2013-2017	Meeting 08.01.2016
AUSTRIA	Robert HOFMANN	
BELGIUM	Maurice BOTTIAU (chair)	
	Noël HUYBRECHTS (secr.)	
BULGARIA	Chavdar KOLEV	
CZECH REPUBLIC	Jan KOS	
DENMARK	Ole MøLLER	
ESTONIA	Mait METS	
FINLAND	Panu TOLLA	
FORMER YUGOSLAV REPUBLIC OF MACEDONIA	Josif JOSIFOVSKI	
FRANCE	Sébastien BURLON	
	Alain LE KOUBY	
	Jean-Paul VOLCKE	apologized
GERMANY	Christian MOORMANN	
HUNGARY	Ferenc SCHEURING	new member (replaces J. Pusztai)
IRELAND	David IGOE	new member (replaces K. Gavin)
ITALY	Alessandro MANDOLINI	
THE NETHERLANDS	Ruud STOEVELAAR	confirmation ?
	Paul HOELSCHER	
NORWAY	Arne SIMONSEN	
POLAND	Kazimierz GWIZDALA	
PORTUGAL	Jaime SANTOS	
RUSSIA	Andrey PONOMARYOV	
SPAIN	Leoncio PRIETO	
	Carlos FERNANDEZ-TADEO	
SWEDEN	Gary AXELSSON	
UNITED KINGDOM	Melvin ENGLAND	confirmation ?

2. Members & Liaisons

LIAISONS	
ETC 10	Trevor ORR
TC 212	Alessandro MANDOLINI
CEN TC 250/SC 7	Andrew BOND
CEN TC 250/SC 7/WG 1/EG 7	Christian MOORMANN
CEN TC 288	Christian GILBERT
CEN TC341/ISO TC 182	John POWELL

Liaisons : no changes

Members : Turkey is interested, but no further information

List of members and liaisons on www.etc3.be


3. Website

www.ETC3.be



Home Terms of reference Members **Meetings** Documents International Symposium 2016 Other activities

MEETINGS

Upcoming meetings :

8 January 2016	Webex meeting : agenda	
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Past meetings :


16 September 2015	Meeting in Edinburgh, United Kingdom, at the occasion of the XVith ECSMGE	
11 June 2015	Webex meeting	

3. Website

www.ETC3.be

Home Terms of reference Members Meetings **Documents** International Symposium 2016 Other activities

DOCUMENTS

De Cock, F., Legrand, C. Design of axially loaded piles – European practice. Proceedings of the ERTC3 Seminar Brussels/Belgium/17-18 April 1997	
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To be completed !

3. Website

www.ETC3.be

Home Terms of reference Members Meetings Documents **International Symposium 2016** Other activities

INTERNATIONAL SYMPOSIUM 2016

Design of Piles in Europe
How did Eurocode 7 change daily practice?
28 and 29 April 2016, Leuven, Belgium

Exchange of information on how pile design has evolved in the different European countries.

Evolution of the standardisation with regard to the execution of piles.

Standardisation on pile testing in Europe (static, dynamic and rapid load testing).




Quality control, monitoring and new measuring techniques.

SYMPOSIUM SECRETARIAT


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GOLD SPONSORS

SILVER SPONSOR



Download Second bulletin and registration form : [ETC3-Piles IS-2016-Second bulletin \(18.12.2015\)](#) ←

Download First bulletin and pre-registration form : [ETC3 Symposium 2016 First bulletin](#)

Download Template National reports : [ETC3 Symposium 2016 Template National Reports](#) ←

Download Template Lectures : [ETC3 Symposium 2016 Template Lectures](#)

Download Sponsoring options : [ETC3 Symposium 2016 Sponsoring Options](#)

Hotel reservation : [Park Inn by Radisson](#) ←

4. International symposium :

Update 07th Jan 2016 :

- Symposium :
 - 70 participants (40 registrations + 30 lecturers & organisation)
 - Actually +/- 5 new registrations/day
- Reception : 65 p.
- Banquet : 55 p.
- 4 sponsors
 - 3 Gold : Aarsleff, Franki Foundations, Fugro
 - 1 Silver : ABEF
 - **Call for additional sponsors!!**

Early bird extended to 31th Jan 2016

4. International symposium :

2nd Bulletin

- Detailed programme
- Link to the venue (hotel reservation)
- Registration and banquet rates
- Sent to :
 - Database contacts BBRI
 - Nat. secretariats ISSMGE
 - ETC3 members & liaisons, organising committee, int. advisory committee
 - CEN TC250 SC7 (only 1st Bulletin)
 - Pre-registered people
- On websites :
 - DFI & DFI Europe (only 1st Bulletin)
 - ETC3
 - BGGG-GBMS



SIMSG ISSMGE
ETC3 - Piles



Belgian Member Society
of ISSMGE



SECOND ANNOUNCEMENT

Design of Piles in Europe

How did Eurocode 7 change daily practice?

International Symposium
28 and 29 April 2016, Leuven, Belgium

Almost 20 years ago, ETC3 organised an international seminar dedicated to European practice for the design of axially loaded piles. Since that time, Eurocode 7 has been published and in many countries the approach to the design of geotechnical works has been adapted. For pile design, Eurocode 7 gives a framework where design methods should fit in, but does not provide any precise rules. Many European countries carried out a lot of research work, including field and model tests as well as pile-soil models in order to adapt their national rules. In many cases the results of that scientific work have been integrated in new regulations described in the National Annexes, codes or recommendations. A real need exists to exchange information on how pile design has evolved in the different European countries. This includes axially or laterally loaded, individual piles or pile groups,...

The first objective of the symposium is to give the European geotechnical engineers the opportunity to familiarise themselves with those various national design methods. It will also give comprehensive comparison material for better understanding and further research works. Each country represented in the ETC3 committee is invited to elaborate a detailed report concerning their national design methods. These national reports will be published in the proceedings.

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ETC3 MEMBERS & LIAISONS

Chairman:
M. Bottiau (BE)

Secretary:
N. Huybrechts (BE)

Members:
G. Axelsson (SE), S. Burlon (FR), M. England (UK), C. Fernandez-Tarso (ES), K. Gavin (IE), K. Gwizdala (PL), F. Hoelcher (NL), R. Hoffmann (AT), J. Jostelvolk (FR), C. Kulev (BG), A. Kon (CZ), A. Le Kouby (FR), A. Mandolini (IT), M. Mets (EE), O. Møller (DK), C. Moormann (DE), A. Ponomarev (RU), L. Prieto (ES), J. Paustai (HU), J. Santos (PT), A. Simonson (NO), R. Stevedaar (NL), P. Tolla (FI), J.F. Volcka (FR)

Liaisons:
T. Orr (ETC3), A. Mandolini (TC 212), A. Bond (CEN TC 250/SC 7), C. Moormann (CEN TC 250/SC 7/WG 1/BG 7), C. Gilbert (CEN TC 288), J. Powell (CEN TC 341/ISO TC 182)

INTERNATIONAL ADVISORY COMMITTEE

The International advisory committee is composed of:
The ETC3 Members and Liaisons
A. Gens, European Vice President of ISSMGE
R. Frank, President of ISSMGE
F. De Cock, Former ETC3 Chairman

ORGANISING COMMITTEE

The organisation of the Symposium is under the leadership of the ETC3 chairman and composed of:
N. Huybrechts and M. De Vos, Belgian Building Research Institute - BBRI
W. Maekelberg and J.F. Vanden Bergh, Vice Presidents of the Belgian Member Society of ISSMGE
M. Roovers, President of the Belgian Association of Foundation Contractors - ABFC

During the symposium, a thematic analysis of the National Reports will be presented, enabling a better comparison. Attention will also be paid to the evolution of the standardisation with regard to the execution of piles. Special attention will be paid to the requirements regarding concrete for deep foundations (CEN/TC 288, CEN/TC 104, EFFC-DFI Activities) and will be discussed.

In addition to that, keynote lectures and special contributions will address the evolution of pile design according to Eurocode 7 (CEN/TC 250/SC 7), the standardisation on pile testing in Europe (CEN/TC 341/ISO TC 182) and the practical application of static, dynamic and rapid load testing in pile design. Additional topics such as quality control, monitoring and new measuring techniques will be covered. Many outstanding speakers have confirmed their participation.

It is the strong hope of the ETC3 committee that knowledge and understanding of the various national design methods will help geotechnical engineers to interpret the results obtained, enlarge their view on pile behaviour and encourage, to some extent, a convergence of the European design rules.

The active participation of the chairmen of the relevant standardisation committees dealing with design, execution and testing of piles will certainly contribute to this objective.



Maurice Bottiau, ETC3 Chairman

PROGRAMME

Wednesday 27 April 2016	
18.30 - 20.00	Registration & Welcome Reception

Thursday 28 April 2016	
08.30 - 17.30	Registration
08.30 - 09.00	Coffee
09.00 - 09.15	Opening address <i>R. Frank, President of ISSMGE</i>
09.15 - 09.45	Overview of the ETC3 activities and market of the different pile types in Europe <i>M. Bottiau, Chairman ETC3 Piles</i>
09.45 - 10.15	Eurocode 7 - Actual situation of geotechnical design in Europe <i>A. Bond, Chairman CEN TC 250/SC 7</i>
10.15 - 10.45	Design of piles according to Eurocode 7 - Expected evolutions <i>C. Moormann, Convenor CEN TC 250/SC 7/WG 1/BG 7 Pile design</i>
10.45 - 11.15	Coffee break
Discussion Session 1 - Pile design based on calculation methods <i>Discussion leader: A. Mandolini, Chairman TC 212 / University of Naples</i>	
11.15 - 11.45	General Report - Calculation methods based on soil parameters <i>A. Ponomarev, Perm National Research Polytechnic University</i>
11.45 - 12.15	General Report - Calculation methods based on direct derivation from in situ tests <i>A. Van Seters, Pugro / Convenor of CEN TC 250/SC 7/WG 3</i>
12.15 - 12.30	Discussion
12.30 - 13.30	Lunch
13.30 - 14.15	Keynote lecture - Design examples : Comparison of different national design methods <i>T. Orr, Trinity College / Chairman ETC3</i>
14.15 - 15.00	Keynote lecture - Recent experiences with static pile load testing on real job sites <i>W. Maekelberg, Tuc Rail</i>
15.00 - 15.30	Coffee break
Discussion Session 2 - Pile design based on pile load tests <i>Discussion leader: E. Hermanson, Palmaris</i>	
15.30 - 15.50	General Report - Design methods based on static pile load tests <i>S. Burlon, Ifsttar</i>
15.50 - 16.10	General Report - Design methods based on rapid pile load tests <i>M. Brown, University of Dundee</i>
16.10 - 16.30	General Report - Design methods based on dynamic pile load tests <i>O. Klingmüller, GSP / TC 341/WG 7</i>
16.30 - 17.00	Discussion
17.00 - 17.30	Special lecture - Accounting for cyclic effects in the design of off shore piles according with Eurocode 7 <i>A. Pász, Pugro</i>
19.15 - 23.00	Evening Banquet

Friday 29 April 2016

08.30 – 12.30	Registration
08.30 – 09.00	Coffee
	<i>Discussion Session 3 – Structural capacity, material and execution related aspects and other loadings</i> <i>Discussion leader: G. Axelsson, ELU Korsnäs</i>
09.00 – 09.45	Keynote lecture – Execution of piles in Europe, standardisation issues and future perspectives <i>C. Gilbert, Systra / Chairman CEN TC 288</i>
09.45 – 10.30	General Report – Execution related aspects with special focus on materials and structural capacity <i>D. Selemetas, Skanska</i>
10.30 – 11.00	Coffee break
11.00 – 11.30	Keynote lecture – Concrete for deep foundations: Activities of Task Group EFFC/DFI & joint activities CEN TC 288/CEN TC 104 <i>K. Beckhaus, Bauer</i>
11.30 – 12.00	Discussion
12.00 – 12.30	<i>Special lecture</i> – Deep foundations vs. soil improvement <i>S. Varaksin, Vice-chairman TC 211</i>
12.30 – 13.30	Lunch
	<i>Discussion Session 4 – Monitoring, quality control and testing practice</i> <i>Discussion leader P. Tolla, Finnish Transport Agency</i>
13.30 – 14.00	General Report <i>J. Powell, Geolabs / Chairman CEN TC 341 / ISO TC 182</i>
14.00 – 14.30	Keynote lecture – New advances and innovations in measurement techniques and quality control tools <i>N. Huybrechts, BBRI</i>
14.30 – 15.00	Discussion
15.00 – 15.30	<i>Special lecture</i> – R&D activities on pile foundations in Europe <i>Lecturer to be determined</i>
15.30 – 15.45	Conclusions and closing of the Symposium <i>M. Bottani, Chairman ETC3</i>

4

The programme can be subject to changes.

GENERAL INFORMATION

Venue

Hotel Park Inn by Radisson

Martelarenlaan 36
E-3010 Leuven
Belgium

Phone: +32 (0) 16 61 66 00
Fax: +32 (0) 16 61 67 00
www.parkinn.com/hotel-leuven
Email: info.leuven@rezidorparkinn.com

How to reach

Leuven is situated at 30 km east of Brussels.

By plane:

Brussels International Airport is located 25 kilometres from Leuven. The direct train connection from the airport to the Park Inn by Radisson Leuven takes only 15 minutes.

By train:

The Park Inn by Radisson Leuven lies just 20 metres from Leuven Central Station (connection by a pedestrian bridge).

Leuven Central Station offers many connections to all corners of Belgium.

From the train station Bruxelles-Midi (Thalys, Eurostar) and the Brussels city centre, it's only 25 minutes by train.

Car parking:

The Park Inn by Radisson does not provide private parking. However, parking is available for a maximum of € 20 per day in the public parking garage under the hotel. During weekends, the cost is € 10 per day.

Accommodation

A limited number of rooms at a reduced rate (single standard room : € 139/night, breakfast included) have been blocked until 26 February 2016 at the Hotel Park Inn by Radisson+*. To obtain the reduced rate, please mention "ISSMGE" when contacting the hotel or make your reservation via the following link:

<http://www.parkinn.com/hotel-leuven/hotel-deals/ISSMGE>

Banquet

The banquet will take place in the old brewery of "Stella Artois".



Publications

The Proceedings of the symposium including the National Reports will be distributed to the participants upon their registration.

Official language

The official language of the symposium (oral communications and papers) will be English.

Registration

To register to the symposium, please duly fill in the registration form as soon as possible and send it to the symposium secretariat. Registration is also possible via the symposium website.

Registration fees include the access to the symposium, the welcome reception on Wednesday 27 April 2016, coffee breaks, lunches and one copy of the proceedings. The banquet on Thursday 28 April 2016 is optional.

Early bird registration till 31 December 2015.

SYMPOSIUM WEBSITE

www.etc3.be/symposium2016

SYMPOSIUM SECRETARIAT

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B-1932 Sint-Stevens-Woluve
Belgium


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Phone: +32 (0) 2655 77 11
Fax: +32 (0) 2655 07 29



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GOLD SPONSORS



ISSMGE		ETC3 - Piles	
			
REGISTRATION FORM			
Mrs/Ms/Mr _____		Family Name: _____	First Name: _____
Organisation/Company: _____			
Department: _____		Function: _____	
Address: _____			
Postal Code: _____		City: _____	Country: _____
Phone: _____		Fax: _____	Email: _____
Welcome reception			Free
<input type="checkbox"/> Yes			
<input type="checkbox"/> No			
Symposium early bird registration (before 31 Dec 2015)			
<input type="checkbox"/> ISSMGE member			€ 375
<input type="checkbox"/> Non member			€ 450
<input type="checkbox"/> MSc and PhD Students			€ 250
Symposium late registration			
<input type="checkbox"/> ISSMGE member			€ 475
<input type="checkbox"/> Non member			€ 550
<input type="checkbox"/> MSc and PhD Students			€ 350
Banquet			
<input type="checkbox"/> Yes			€ 80
<input type="checkbox"/> No			-
<input type="checkbox"/> Accompanying person			€ 80
Sponsoring*			
<input type="checkbox"/> My company will sponsor the Symposium			
<input type="checkbox"/> Gold Sponsor			€ 2 500
<input type="checkbox"/> Silver Sponsor			€ 1 000
* Advantages linked to the sponsorship can be found on the symposium website; the symposium secretariat will contact you for further information			
PAYMENT:			
<input type="checkbox"/> By bank transfer: I hereby forward the amount* of € (Ref. ETC3 2016 + Name of the participant) to the Belgian Member Society of ISSMGE, IBAN BE73 0013 9895 9460, BIC/SWIFT GEBABE BB (* Bank charges to be added to the amount)			
<input type="checkbox"/> By credit card:			
<input type="checkbox"/> Visa <input type="checkbox"/> Eurocard-Mastercard <input type="checkbox"/> American Express			
I hereby authorize the Belgian Member Society of ISSMGE to charge € to my credit card.			
Credit card number: _____		Cardholders' signature: _____	
Expiration date: _____		Date: _____	
Full name of cardholder as it appears on the card: _____			

4. International symposium : 3rd Bulletin (Final)

- Updates :
 - ETC3 members
 - Titles : contributions of D. Selemetas, S. Varaksin, K. Beckhaus
 - Sponsors
 - Programme (time schedule)
 - Lecturer “R&D activities”
- Corrections :
 - Some affiliations
- Mailing in February ?

4. International symposium : Programme

- Tuesday 26th April 2016 :
 - SC7 meeting : all day – 1 meeting room – 35 p. *
- Wednesday 27th April 2016 : PROPOSAL
 - SC7/WGs meeting : all day – 4 meeting rooms – 70 p. *
 - Ground Engineering Professionals meeting : 9:00 to 15:00 – 1 meeting room – 30 p. *
 - TC 212 meeting : 15:00 to 17:00 - 1 meeting room – 30 p. *
 - Welcome Reception and Symposium registration : 18:30-20:00
- Thursday-Friday 28th – 29th April 2016 : ETC3 Symposium

* only for members

4. International symposium : Thursday 28th April 2016 AM

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11.45 – 12.15	General Report – Calculation methods based on direct derivation from in situ tests <i>A. Van Seters, Fugro / Convenor of CEN TC 250/SC 7/WG 3</i>
12.15 – 12.30	Discussion
12.30 – 13.30	Lunch

4. International symposium : Thursday 28th April 2016 PM

13.30 – 14.15	<u>Keynote lecture</u> – Design examples : Comparison of different national design methods <i>T. Orr, Trinity College / Chairman ETC10</i>
14.15 – 14.45	<u>Keynote lecture</u> – Recent experiences with static pile load testing on real job sites <i>W. Maekelberg, Tuc Rail</i>
14.45 – 15.15	Coffee break
	<u>Discussion Session 2 – Pile design based on pile load tests</u> <i>Discussion leader I. Hermansson, Palanalyt</i>
15.15 – 15.40	General Report – Design methods based on static pile load tests <i>S. Burlon, Ifsttar</i>
15.40 – 16.05	General Report – Design methods based on rapid pile load tests <i>M. Brown, University of Dundee / Chairman TC 341/WG7</i>
16.05 – 16.30	General Report – Design methods based on dynamic pile load tests <i>O. Klingmüller, GSP / TC 341/WG 7</i>
16.30 – 17.00	Discussion
17.00 – 17.30	<u>Special lecture</u> – Accounting for cyclic effects in the design of off shore piles according with Eurocode 7 <i>A. Puech, Fugro</i>
19.00 – 23.00	Evening Banquet

4. International symposium : Friday 29th April 2016 AM

08.30 – 12.30	Registration
08.30 – 09.00	Coffee
	<u>Discussion Session 3 – Structural capacity, material and execution related aspects and other loadings</u> <i>Discussion leader : G. Axelsson, ELU Konsult</i>
09.00 – 09.45	Keynote lecture – Execution of piles in Europe, standardisation issues and future perspectives <i>C. Gilbert, Systra / Chairman CEN TC 288</i>
09.45 – 10.30	General Report – Execution related aspects with special focus on materials and structural capacity title ?? <i>D. Selemetas, Skanska</i>
10.30 – 11.00	Coffee break
11.00 – 11.30	Keynote lecture – Concrete for deep foundations : Activity report <i>K. Beckhaus, Bauer / CEN TC 288 / CEN TC 104</i>
11.30 – 12.00	Discussion
12.00 – 12.30	<u>Special lecture</u> – Deep foundations vs. soil improvement title ?? <i>S. Varaksin, Vice-chairman TC 211</i>
12.30 – 13.30	Lunch

4. International symposium : Friday 29th April 2016 PM

	<u>Discussion Session 4 – Monitoring, quality control and testing practice</u> <i>Discussion leader P. Tolla, Finnish Transport Agency</i>
13.30 – 14.00	General Report <i>J. Powell, Geolabs / Chairman CEN TC 341 / ISO TC 182</i>
14.00 – 14.30	Keynote lecture – New advances and innovations in measurement techniques and quality control tools <i>N. Huybrechts, Belgian Building Research Institute</i>
14.30 – 15.00	Discussion
15.00 – 15.30	<u>Special lecture</u> – R&D activities on pile foundations in Europe <i>Lecturer to be determined</i> ←
15.30 – 15.45	Conclusions and closing of the Symposium <i>M. Bottiau, Chairman ETC3</i>

4. International symposium

National reports

AUSTRIA	OK
BELGIUM	OK
BULGARIA	
CZECH REPUBLIC	
DENMARK	(OK)
ESTONIA	OK
FINLAND	OK
FORMER YUGOSLAV REPUBLIC OF MACEDONIA	
FRANCE	OK
GERMANY	
HUNGARY	OK
IRELAND	
ITALY	OK
THE NETHERLANDS	
NORWAY	
POLAND	OK
PORTUGAL	
RUSSIA	OK
SPAIN	
SWEDEN	
UNITED KINGDOM	

- Final deadline :
 - End of Jan !!
- Feedback by organising Committee :
 - Reports already received : 15th Jan
 - Others : 5th Feb
- Final version :
 - ASAP, but not later than 15th Feb
- If no major changes : report will be sent to the general reporters before final version
- Reminder for missing reports

<Title of the paper (e.g. Design of piles – Belgian practice)>

<Name Author 1
Company, Country, e-mail>

<Name Author 2
Company, Country, e-mail>

<...>

ABSTRACT

<Text of the abstract>

1. REGIONAL GEOLOGY

1.1. Heading 2

1.1.1. Heading 3

<Text>

Table 1 :

Xxxx				
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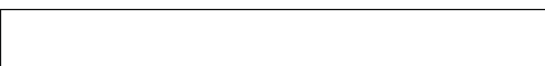


Photo 1 :



Figure 1 :

xx^z1231z
y

(1)

2. SOIL INVESTIGATION

<Current practice>

3. PILING TECHNOLOGY & CLASSIFICATION

<Brief description of commonly used pile types and classification>

4. NATIONAL DOCUMENTS

<National relevant documents for the application of EC7>

5. DESIGN METHOD ACCORDING TO THE PRINCIPLES OF EUROCODE 7

5.1. General principles

<Geotechnical Categories, Design Approach, Methodology,...>

5.2. Definitions and symbols

<Text>

5.3. ULS Design based on soil investigation test results

<Including installation, model, correlation and safety factors>

5.3.1. Introduction

<Text>

5.3.2. Axial compression of a single pile

<Text>

5.3.3. Axial tension of a single pile

<Text>

5.3.4. Lateral loading of a single pile

<Text>

5.3.5. Specific issues

<Negative skin friction, group effect, cyclic loading, seismic design (if seismicity is not taken into account, please mention),...>

5.3.6. Problems not covered by National Annexes and future developments

<Text>

5.4. SLS design

<Including observational method for SLS design>

5.5. Design based on load tests

<If not used in your country : please mention this. Don't delete the paragraph.>

5.6. Design based on experience

<If not used in your country : please mention this. Don't delete the paragraph.>

5.7. Structural safety

<Text>

6. QUALITY CONTROL, MONITORING AND TESTING PRACTICE

<Including if and how quality control influences the design>

7. PARTICULAR NATIONAL EXPERIENCES AND DATABASES

<Particular national experiences and databases with pile load tests>

8. DESIGN EXAMPLE

<This is an example of the most commonly used design method of an axially loaded pile, chosen by the author, to illustrate the design method>

REFERENCES

Author, Year, Title, Journal/Place of issue/Editor

4. International symposium National reports

	1. Geology	2. Soil investigation	3. Piling technology	4. National documents	5. Design method according to EC7	5.1 General principles	5.2 Definitions and symbols	5.3 ULS based on soil investigation test results	Axial compression	Axial tension	Lateral loading	Specific issues	Problems not covered	5.4 SLS	5.5 Design based on load tests	5.6 Design based on experience	5.7 Structural safety	6. Quality control, monitoring and testing practice	7. National experiences and databases	8. Design example	
AUSTRIA															x						5 p.
BELGIUM	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
DENMARK	x	x	x	x	x	x	x	x													11 p.
ESTONIA	x	x						x							x			x	x		14 p.
FINLAND	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	22 p.
FRANCE	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	21 p.
HUNGARY	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		12 p.
ITALY	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	21 p.
POLAND					x			x	x	x	x	x		x	x						17 p.
RUSSIA	x	x	x	x	x	x	x	x	x			x		x	x		x				20 p.

4. International symposium

Design examples

3 cases :

- Nordic
- Clay
- Sand

	Soil type	Soil investigation	Pile type	Pile load tests	Remarks
Nordic case : middle of Sweden (Gary A.)	Fill – stiff clay – NC very soft clay – hard till - rock	<ul style="list-style-type: none"> • Lab tests : cu, sensitivity, density, w • Vane shear test • Soil-rock probing test • Weight sounding • Ground water stand pipe well 	Driven concrete end bearing, 270x270mm, L 10m	8 PDA	<ul style="list-style-type: none"> • Bridge foundation • West of Sweden : > 50m of (very) soft NC clay

additional information received

	Soil type	Soil investigation	Pile type	Pile load tests	Remarks
Belgian case 2 (Noël H.)	Fill – Tertiary OC stiff clay Gw at 1m	3 CPT, 2 PMT, 2 SPT, 1 boring with undisturbed soil sampling, lab tests	10 screw piles, 2 driven concrete	12 instrumented SLT	Sint Katelijne Waver

	Soil type	Soil investigation	Pile type	Pile load tests	Remarks
North of France (Alain L.)	3m silt – very homogeneous clean sand Gw at 1.6m	1 PMT, w, grain size, density, void ratio, phi', c' (shear box)	3 CFA, diam. 520mm, L 12m	1 instrumented SLT	

3 CPTs are performed on site in Dec 2015

4. International symposium

Design examples

Deadlines :

→ Information will be sent to ETC3 members : 18th Jan

→ Solutions : 15th Feb

4. International symposium

Any other business

Papers :

- The general reports will be drafted on the basis of the national reports prepared by the different countries. A written contribution is preferable, but if this isn't possible due to a lack of time, only a presentation is fine. All national reports will be included in the proceedings.
- The keynote and special lecturers are encouraged to deliver a written contribution to be included in the proceedings.
- On the final bulletin, only the principal author or speaker will be mentioned. On the written contributions, several authors may be mentioned.

4. International symposium

Any other business

Announced deadlines :

- National reports available to the general reporters : ~~mid of January~~ → 15th Feb
- Results of the design examples will be available : mid of February
- Written contributions sent to the organization committee : end of March
- Presentations sent to the organization committee : 22 April

Discussion leaders, general reporters & lecturers are asked to register.

Templates :

- National report : OK
- Lectures, general reports : OK
- Presentations (ppt) : will be available soon

5. Any other business

6. Next meeting

End of February ?