

2nd International Workshop on Evaluation of Eurocode 7

EUCENTRE, Pavia, 12-14 April 2010

Invitation

It gives me great pleasure, as Chairman of ETC 10, the European Technical Committee for the Evaluation of Eurocode 7 of the International Society for Soil Mechanics and Geotechnical Engineering, to invite you to the 2nd Workshop on the Evaluation of Eurocode 7, which is being held at the EUCENTRE, Pavia, Italy on 12-14 April 2010. This Workshop is being organised by ETC 10 together with the Maintenance Group for Eurocode 7.



This Workshop is very timely because all of the Eurocodes, including Eurocode 7, are due to supersede the existing national structural and geotechnical design codes in Europe on 31 March this year. Hence European geotechnical engineers need to understand Eurocode 7 and know how to apply it in practical design situations. This Workshop is aimed at those who are involved in implementing Eurocode 7 and explaining it to practising geotechnical engineers. A very interesting and informative programme has been prepared that will show how Eurocode 7 should be used in practice. In particular, reports will be presented on the responses received for six design examples which have been distributed to geotechnical

engineers prior to the Workshop. In these examples, designers have been asked to:

- select characteristic parameters values from site investigation data
- design two spread foundations, two pile foundations and an embankment on soft ground according to Eurocode 7 and their National Annex
- determine the earth and pore water pressures on a basement wall according to Eurocode 7 and their National Annex, and
- complete an on-line questionnaire for each design example.

Those attending the workshop will be encouraged to participate in the discussions of the design examples and to share their experiences with the implementation and use of Eurocode 7. There will also be discussions on certain aspects of geotechnical design which the Maintenance Group has identified may be treated differently when designing to Eurocode 7, for example water pressures.

The Workshop is being hosted by Professor Scarpelli and the Italian Geotechnical Society at the EUCENTRE in Pavia, a charming historical town 40 km south of Milan. EUCENTRE (European Centre for Training and Research in Earthquake Engineering) is a world leading research institution in earthquake engineering and engineering seismology and hosts the largest shaking table in Europe. EUCENTRE has outstanding conference facilities and it represents an ideal venue for hosting a successful workshop. I look forward to meeting you there.

Trevor Orr
Chairman, ETC 10

Programme

Monday, 12th April

- 13.00 Lunch and registration
- 14.00 Welcome *Giuseppe Scarpelli*
- 14.10 Welcome of the President of EUCENTRE Foundation *Michele Calvi*
- 14.20 Welcome of the President of the Italian Geotechnical Society *Stefano Aversa*
- Session 1 (Chair: *Roger Frank*)
- 14.30 Update on Eurocode 7, its implementation and maintenance *Bernd Schuppener*
- 15.00 Results of the NDP survey *Andrew Bond*
- 15.30 Coffee break
- 16.00 Future development of Eurocodes and geotechnical issues *Jean-Armand Calgaro*
- 16.40 Role of JRC and the implementation and coordination of the Eurocodes *Artur Pinto*
- 17.00 Discussion of Session 1
- 17.30 Introduction to Design Examples 2 *Andrew Bond*
- 18.00 Closure

Tuesday, 13th April

- Session 2 (Chair: *Giuseppe Scarpelli*)
- 09.00 Report on Design Example 2.1 – Foundation with central vertical load *Carsten Sørensen*
- 09.30 Report on Design Example 2.2 – Foundation with inclined load *Norbert Vogt*
- 10.00 Discussion of Design Examples 2.1 and 2.2
- 10.30 Coffee break
- 11.00 Report on Design Example 2.4 – Earth & pore water pressures on basement walls *Hans Schneider*
- 11.30 Eurocode 7 designs for water pressures and review of survey *Brian Simpson*
- 12.15 Discussion on Design Example 2.4 and water pressures
- 13.00 Lunch
- Session 3 (Chair: *Trevor Orr*)
- 14.00 Reliability analyses of the Design Examples *Yusuke Honjo* – former Chairman TC23
- 14.40 Report on Design Example 2.5 – Embankment of soft peat *Eric Farrell*
- 15.10 Discussion of Example 2.5
- 15.30 Coffee break
- 16.00 Report on Design Example 2.3 – Pile foundation in stiff clay *Adriaan van Seters*
- 16.30 Report on Design Example 2.6 – Pile foundation in sand *Boleslaw Klosinski*
- 17.00 Discussion of Design Examples 2.3 and 2.6
- 17.30 Closure
- 19.30 Workshop Dinner

Wednesday, 14th AprilSession 4 (Chair: *Stefano Aversa*)

09.00 Impact of Eurocode 7 worldwide

Roger Frank

09.30 Discussion of impact of Eurocode 7 and other experiences

10.00 Discussion of the role of reliability analysis and other issues in geotechnical design

10.30 Coffee break

11.00 Panel discussion on Eurocode 7 and issues that have arisen

12.40 Concluding remarks

Trevor Orr – Chairman ETC 10

13.00 Lunch

14.00

SC7 Meeting

Post workshop – Visit to EUCENTRE Experimental Laboratory

2nd International Workshop on the Evaluation of Eurocode 7
12-14 April 2010, EUCENTRE, Pavia, Italy

Registration

Please return to: (e-mail) agiroma@iol.it (fax) +39 06 44361035

Family name:	First name:
Organization:	Position:
E-mail:	
Mailing address:	
Country:	ZIP code:
Telephone:	Fax:
Invoice to:	

Registration fee (inc. lunches Mon/Tue/Wed, dinner Tue, coffee, and proceeding (on USB key))
€250 (inclusive of IVA/VAT at 20%)

Bank transfer to: Associazione Geotecnica Italiana - Viale dell'Università 11 - 00185 Rome - Italy
 Bank name and address: Unicredit Banca di Roma - Piazza Testaccio 14 - 00153 Rome - Italy
 IBAN: IT 77 L 03002 05003 000003113639 / BIC SWIFT CODE: BROMITR1101

Accommodation (reservation only)

Official workshop hotel: Hotel Riz, San Genesio ed Uniti (approx. 3 km from the center of Pavia)
 See www.hotelrizpavia.com or e-mail: info@hotelrizpavia.com

80 rooms have been reserved at special prices for participants of the workshop. **These rooms have to be confirmed as soon as possible through the Italian Geotechnical Society AGI.**

€71 for a single/double* room (single occupancy). **€88** for a double room (double occupancy). *Limited availability. Prices are per night, inclusive of IVA/VAT at 20%, and include breakfast.

Please tick the rooms you require and the dates required

Room	No of guests	Price	Sun 11	Mon 12	Tue 13	Wed 14	Thu 15
Single	1	€71					
Double*	1	€71					
Double	2	€88					

Payment for accommodation to be made direct to hotel on check-out