



VERIFICATION
DESIGNATION
AL CODES FOR
NITROGEN

Fundamentals of Eurocode 7 Parts 1 and 2

EUROPEAN
LOAD COMBINATIONS
WEIGHTS
ARTICLE 1997
LIMIT STATE

Geocentrix
www.geocentrix.co.uk

Eurocode news

The de facto international standard?	2.4.7.3.4.1 Paragraph allowing choice of Design Approach	No need for Eurocode haste	10 Codes in the Structural Eurocode suite	10,000 European standards published by CEN by mid-2006
Bigger challenge than metrication	New Eurocode will encourage innovation	2010 Last date for adoption of Structural Eurocodes	Factors of Ignorance?	29 National members of CEN
Cost to the UK of not implementing the Euro codes	2 Parts to EN 1997	89/106/CE Official designation of the Construction Products Directive	EN 1997 Official designation of Eurocode 7	A tempestuous wind, called Euroclydon
Eurocodes enable creativity	Codification for codification sake	58 Parts in the Structural Eurocode suite	1 The Design Approach specified by the UK National Annex for use in the United Kingdom	3 Design Approaches for GEO limit states
	Too high a cost?	UK still not ready for Euro concrete codes		

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Understand, analyse, and assess

Geotechnical engineering is...

“the art of using soils whose properties we do not really understand to form and to support structures we cannot really analyse, so as to withstand forces which we cannot really assess, in such a way that the public does not really suspect”

Professor Noel Simons, Inaugural Lecture, University of Surrey
(with apologies to Professor Eric Brown, Imperial College)

Programme for the day

Morning

09.30 General rules
10.15 Verification of limit states
11.00 *Coffee*
11.30 Pad footing on dry sand (workshop)
12.15 Investigation standards
13.00 *Lunch*

Afternoon

14.00 Ground investigation and testing
14.45 Ground characterization
15.30 *Tea*
16.00 Cone penetration test in mixed soils
(workshop)
16.45 Execution standards
17.15 Summary and conclusions
17.30 *Close*

Dr Andrew Bond MA MSc PhD DIC MICE CEng

Managing Director, Geocentrix
Director, Geomantix Ltd
Associate Lecturer, Surrey University



Eurocode experience
Member Eurocode 7 maintenance committee
UK delegate GEN TC250/SC7 (Eurocode 7 committee)
Member BSI committee B526
Vice Chairman European Regional Technical Committee
10 for Implementation of Eurocode 7
Former member National Strategy Committee for
Structural Eurocodes
Member Steering Group CIRIA RP 701
Co-author 'Decoding Eurocode 7' (2008), Taylor & Francis
Co-author Chapter 7 PP1990 (Guide to the Structural
Eurocodes), BSI
Invited speaker on Eurocode 7 to BGA, NCE, IStructE, HA,
HSE, Singapore BCA, University of Cape Town

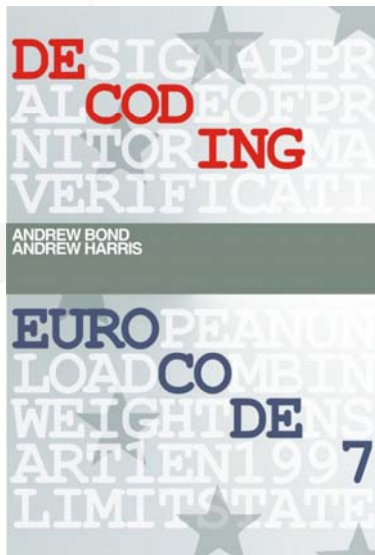
Mr Andrew Harris MSc DIC MICE CEng FGS

Director, Geomantix Ltd
Senior Lecturer, Kingston University



Eurocode experience
Co-author 'Decoding Eurocode 7' (2008), Taylor & Francis
Co-author Chapter 7 PP1990 (Guide to the Structural
Eurocodes), BSI
Trainer for Geocentrix, IStructE/ Professional Solutions, &
Thomas Telford/Eurocode Expert
Teaching experience
Lecturer (1985-2004) and Associate Dean (2000-4) at
Kingston University
Author of CPD courses in geotechnical design & pile
design for Kingston University and IStructE/ Professional
Solutions
Consulting
Regional Manager at CL Associates (2004-6)
Design and execution of geotechnical and contaminated
land investigations

'Decoding Eurocode 7'



Book published August 2008

Key features

- Covers ENs 1997-1 and -2, plus relevant parts of other Eurocodes
- Also covers associated execution and testing standards
- Explains key principles
- Illustrates application rules with real-life case studies
- Material extensively tested on training courses over 5 years

Authors Andrew Bond (Geocentrix) and Andy Harris (Geomantix)

Published by Taylor and Francis in hardback, with colour section

ISBN: 9780415409483

Presentations

Lectures

- [Overview of EN Eurocodes](#)
- [EN 1997-1 general rules](#)
- [Verification of strength](#)
- [Verification of stability](#)
- [Verification of serviceability](#)
- [Execution of geotechnical works](#)

Workshops

- [Pad footing on dry sand](#)
- [Box caisson](#)

Eurocodes are a suitable tool

“The Commission of the European Communities ... hereby recommends – Member States should adopt the Eurocodes as a suitable tool for designing construction works, checking the mechanical resistance of components, or checking the stability of structures.”

Extract from Commission recommendation (11/12/2003) on implementation and use of Eurocode for construction works and structural construction products

‘Decoding the Eurocodes’ blog



Web log (blog) started May 2006

Address: www.eurocode7.com

Aim to post articles at least once a month, on following subjects:

- BGA
- Books
- BSI
- Eurocode 3
- Eurocode 7
- ICE
- IStructE
- Seminars
- Singapore
- Structural Eurocodes
- Training courses

Another school of thought

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"I'm thinking of transferring to another school of thought..."

Jul-09

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