

## ENGINEERING SEMINARS

# GEOTECHNICAL SEMINARS

(Appropriate for ICE 1-day CPD credit)

**ANNOUNCE THREE 'ICE CPD' SEMINARS :**  
From £135 + VAT/1-day Seminar

**30th Nov - 2nd Dec 2015**

Cresta Court Hotel  
Church Street  
Altrincham  
WA14 4DP

(5 miles from Manchester & Manchester Airport,  
close to M56 Jnctn 6)

**A** Interpreting Site Investigation & EC7 + NA

Monday 30th November 2015

**B** Geotech Design to Eurocode 7 + UK National Annex (NA)

Tuesday 1st December 2015

**C** Earthworks : Structures, Railways, Highways – EC7 + UK NA

Wednesday 2nd Decmber 2015



[geotechnicalseminars.com](http://geotechnicalseminars.com)

# ICE CPD EC7 GEOTECHNICAL ONE DAY SEMINARS 2015

## ENGINEERING SEMINARS

### A Interpreting Site Investigations & EC7 + NA

BS EN 1997-1: 2004 & BS EN 1997-2:2007  
BS EN ISO 22475-1:2006 & 22476-3:2005  
BS 5930 : 2009 (amd no. 2: 2010) & BS 8485 : 2007  
CIRIA 552 & 665 & GMPP - briefing Note BN01/2008

Contaminated Land  
Basic essential soil mechanics covered

**ONE DAY SEMINAR : Monday 30th November 2015**

#### OBJECTIVES AND SKILLS/KNOWLEDGE TO BE COMMUNICATED

09.30 - 11.00	SI OBJECTIVES + RISK ANALYSIS OF INVESTIGATION AND INTERPRETATION of existing information to EC7+ UK NA	Ian Whyte / Mike Forde
11.15 - 13.00	INTERPRETATION OF B.H. LOGS, GROUNDWATER PROFILES, IN-SITU TESTS - SPT's, cone penetrometers, pressuremeters	Ian Whyte
14.00 - 15.30	GEOPHYSICAL TECHNIQUES, INTERPRETATION OF LAB TESTS, SOIL CLASSIFICATION OF SOIL SHEAR STRENGTH PARAMETERS - effective stress and total stress	Mike Forde
15.45 - 17.30	CONTAMINATED LAND ASSESSMENT Desk-based research, hazard identification, intrusive techniques, data analysis, risk assessment and advice on regulatory compliance.	Lewis Barlow

### B Geotech Design to Eurocode 7 + NA

BS EN 1997-1: 2004 & BS EN 1997-2 : 2007 & BS EN 1536 : 2000  
BS 6031 : 2009 & BS 8004  
CIRIA PG5 : 1978 & CIRIA 144 : 1997 & CIRIA C641 : 2008  
ACI 228.2r : 1998 & ACI 336.1

Basic essential soil mechanics covered

**ONE DAY SEMINAR : Tuesday 1st December 2015**

#### OBJECTIVES AND SKILLS/KNOWLEDGE TO BE COMMUNICATED

09.30 - 11.00	SHALLOW FOUNDATIONS AND SETTLEMENT	Ian Whyte
11.15 - 13.00	DEEP FOUNDATIONS, UNDERPINNING, INTEGRITY, ASSESSMENT, SETTLEMENT	Mike Forde
14.00 - 15.30	SLOPE STABILITY DESIGN	Ian Whyte
15.45 - 17.00	STRUCTURES ON FILL + GEOTECH SOLUTIONS Desk-based research, hazard identification, intrusive techniques, data analysis, risk assessment and advice on regulatory compliance.	Mike Forde
17.00 - 17.30	CASE STUDIES AND DISCUSSION	



**C Earthworks : Structures, Railways, Highways - EC7 + UK NA**

BS EN 1997-1: 2004 & BS EN 1997-2 : 2007 & BS EN 14688-2 : 2004  
BS 6031 : 2009, BS 5930 : 1999 (amd n.. 2 :2010) & BS 1377 : 2001  
DoT SHW 3rd Ed : 1963; 4th Ed : 1969 & HA SHW : 1991  
HA MCHW SHW Series 0600 Earthworks & NG (2009)  
HA 44/91 : 1995 & HA 70/94 : 1994 & SH 7/83 & HD 22/08 : 2008

Basic essential soil mechanics covered

**ONE DAY SEMINAR : Wednesday 2nd Decmber 2015**

**OBJECTIVES AND SKILLS/KNOWLEDGE TO BE COMMUNICATED**

09.30 - 11.00	THEORY OF COMPACTION	Ian Whyte
11.30 - 13.00	STRUCTURES & HIGHWAY FILL : HA Method Spec and Eurocode 7 End Product Spec	Mike Forde
14.00 - 15.30	COMPACTION PLANT + CASE STUDIES	Mike Forde
16.00 - 17.00	RAILWAY EARTHWORKS + OPEN DISCUSSION : HA + EC7 + National Annex (NA)	Ian Whyte / Mike Forde

**Online seminar registration at [geotechnicalseminars.com](http://geotechnicalseminars.com)**

**Early Bird Registration (before 31st October 2015) = £135 GBP + VAT**

**Registration Fee (1st November 2015 onwards) = £165 GBP + VAT**

T&C: Refunds available less £40 admin fee up to 7th November 2015; 8th November 2015 onwards – no refunds, but substitutions allowable; substitutions allowable at any time – but please inform us: [queries@ecspublications.com](mailto:queries@ecspublications.com)



# ENGINEERING SEMINARS



## COMMENTS FROM PREVIOUS DELEGATES...

### SI SEMINAR

Two speakers were very audible with good examples provided - Mr J.T, BEng  
Comprehensive and detailed - Ms J.D, MEng, CEng, MICE  
Excellent speakers, high level of information - Mr E.Z, BEng, MSc  
Relaxed delivery of material - Mr P.W, BEng  
Level and content at level I expected and required - Mr T.C, MEng  
Breadth of topics covered - Mr D.H, HNC  
Wide ranging, useful basic information and more detail - Mr S.R, BSc  
Broad subject matter; good lecturers held attention - Mr R.H, BEng  
Good topics covered - Mr S.B, HNC  
Good content, covered to the correct detail - Mr I.B, HNC  
Useful introductions into most recent legislation, BS, eurocodes etc - Mr G.W, NC  
Comfortable environment - Mr A.N, BEng (Hons)  
Insight into onsite material testing - Mr D.J, BEng (Hons)

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### GEOTECHNICAL DESIGN SEMINAR

Overview of subjects presented very well - Mr I.B, HNC  
Interesting content and range of subjects - Mr G.W, NC  
Lecturers were interested and knowledgeable on subject, who tied theory into real circumstances/examples well  
Mr M.C, BEng  
Very interesting real life cases used to discuss issues - Ms J.D, MEng, CEng, MICE  
Engaging, knowledgeable presenters. Good level of presented detail. Good case studies - Mr N.G, BSc (Hons)  
Alternative views to standard ideologies. - Mr A.T, BSc (Hons), MSc  
New and interesting information was presented. Very useful. - Mr N.T, BEng  
The slope stability and deep foundations sections were very useful. - Mr M.M.Y, BSc, MSc, FGS  
All the three sections were explained clearly with good case studies - Mr R.B, BSc, MSc

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### EARTHWORKS SEMINAR

Pitched at exactly the right level for me. Entertaining! - Mr R.B, BSc, FGS  
Current BS and Eurocode information. Wide range of topics covered. - Mr G.W, NC  
Good overview of topics. Delivered by knowledgeable lecturers. - Mr I.B, HNC  
Good coverage of topics - Mr S.B, HNC  
Case studies were very useful in explanations - Ms R.N, BSc



### LECTURERS

**Professor Mike Forde**, BEng, MSc, PhD, FEng, FRSE, FAcI, CEng, FICE, FIET, FCIHT, FINDT  
Carillion Professor at the University of Edinburgh.

**Eur-Ing Ian L Whyte**, BSc Tech, Dip ASE, CEng, FICE, MCIHT  
University of Manchester, Hon Fellow, University of Edinburgh & Geotechnical Consultant.

**Lewis Barlow**, BEng (Hons) MSc, DIC, CEnv, CEng, FICE, MCIWEM, SiLC  
Technical Director, Land Quality, Grontmij, Edinburgh.

