



**Midland
Geotechnical
Society**



Geotechnical Design to EC7

**Half Day Seminar on Geotechnical Design to EC7
Afternoon of Wednesday September 12th 2012 University of Birmingham**

BS EN 1997-1 and BS EN 1997-2 were published in 2004 and 2007 respectively. They replace existing British Standards which were withdrawn on 31 March 2010 when full implementation of the Eurocodes took place.

The Eurocodes are the preferred means of demonstrating compliance under the EU Construction Products Directive enacted in the UK as the Public Contracts Regulations 2006 and the Construction Products Regulations 1991. As such, most UK public sector organizations, utilities and product manufacturers are using Eurocodes for all new designs. Both the Highways Authority (England Wales and Northern Ireland) and Network Rail now require designs to be fully in accordance with Eurocodes. There is expectation that the new Building Regulations will also require conformance with the Eurocodes.

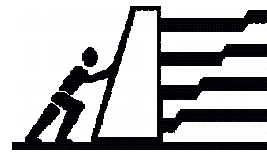
BSI have stated that the courts and other dispute-resolution forums will refer to Eurocodes as the state-of-the-art standards to reach their decisions in any legal proceedings relating to structural design. The BSI view is that continuing to use withdrawn standards could put structural designers and their insurers at increasing risk. There is also a risk that with a dual system that engineers will use codes to suit themselves and this could introduce further confusion and risk.

Despite the BSI advice, there appears much reluctance from industry to adopt the Eurocodes. This is partly because of the obvious complexity and uncertainties associated with the new codes, but must also be related to the sheer number of new codes. This is exacerbated by the necessity to follow steep learning curves within already complex design procedures.

The MGS Seminar is aimed at providing clarity and direction delivered by practitioners who have already become experienced in the use of EC7. The seminar will cover a number of key topics and will give some practical guidance, tips and tricks to help the 21st century geotechnical designer through the Eurocode maze. It can never be possible to cover every aspect of the two parts to Eurocode 7, or the myriad of accompanying execution codes and complimentary documents. However, it is hoped that the seminar will provide some valuable introduction to the use of EC7.

To be held at: University of Birmingham, Edgbaston, Birmingham, B15 2TT
(Lecture Theatre Details will be advised nearer the event)

If you would like to attend please complete and return the attached booking form



Seminar Programme

12.30 – 13.20	Registration, Networking and Buffet Lunch
13.20 – 13.30	Chairman's Introduction Nick Sartain - Arup
13.30 – 14.00	Retaining Structures Embedded Walls David Preece – Bachy Soletanche
14.00 – 14.30	Ground Investigation Implementing EC7 into Ground Investigation Len Threadgold - Geotechnics
14.30 – 15.15	Coffee Break, Networking and Trade Presentation
15.15 – 15.45	Soil Nails & Cutting Slopes Design to EC7 and BS 8006-2 Alan Phear - Arup
15.45 – 16.15	Pile Foundations Bearing Capacity and Settlement Design Chris Raison – Raison Foster Associates
16.15 – 17.00	Coffee Break, Networking and Trade Presentation
17.00 – 17.30	Shallow Foundations Design for Rail Re-signalling and Electrification Projects Chris Krechowiecki-Shaw - Atkins
17.30 – 18.30	Questions and Discussion Practical Ways to Make EC7 Work? Joint Panel of Speakers and Audience
18.30 – 18.40	Chairman's Conclusion Nick Sartain - Arup

Directions to University of Birmingham, Edgbaston, Birmingham, B15 2TT:

By air: The closest airport is Birmingham International. There is a station at Birmingham International with trains to University (changing at New Street)

By rail: Most cross-country services to Birmingham arrive at New Street Station. Up to six trains an hour depart from New Street for the University on the cross-city line (ten minutes to University station, final destination Longbridge or Redditch). The centre of the main campus is a five-minute walk from University Station.

By bus: Numbers 61, X62 and 63 travel to the University's Edgbaston campus. The services all run frequently from the city centre. Online bus timetables are available on the National Express West Midlands website

By car: See <http://www.birmingham.ac.uk/contact/directions/edgbaston-directions.aspx> for detailed directions depending on route.

Visitors to campus are requested to park in any of the 4 pay & display car parks, those are:

- South Car Park (access via Edgbaston Park Road)
- North Car Park (access via Pritchatts Rd)
- Pritchatts Road Car Park (at the junction with Vincent Drive)

The car parks above are peripheral car parks and are accessed without entering the main campus. Visitor charges are (correct May 2012):

- Up to 1 hour £1.00, 1-3 hours £3.00, 3-5 hours £4.00, 5-8 hours £6.00



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Booking Form

Geotechnical Design to EC7

Half Day Seminar on Geotechnical Design to EC7
Afternoon of Wednesday September 12th 2012 University of Birmingham

Name..... Email.....

Company..... Phone.....

- | | | |
|--------------------------|---|---------------|
| <input type="checkbox"/> | I am an MGS member and would like to attend | £60.00 |
| <input type="checkbox"/> | I would like to join the MGS (and attend at member rate above)* | £10.00 / year |
| <input type="checkbox"/> | I am not a member and would like to attend | £75.00 |
| <input type="checkbox"/> | I am a student and would like to attend (Please give course & University details) | £20.00 |
| | | |
| <input type="checkbox"/> | I would like a trade stand at the event (two delegate places included) | £250.00 |

*Please complete the attached membership form. Membership would be valid until October 2013.

Please detail any specific dietary requirements.....

I require a receipt

Please send completed form to Lindsay Burt, Church Farmhouse, Church Lane, Mollington, Banbury, Oxon OX17 1AZ and include cheque payable to 'Midland Geotechnical Society'.

Alternatively invoices can be raised on request for company BACS, internet banking or cheque payment.

Any queries please email lindsayhburt@yahoo.co.uk



The Midland Geotechnical Society

2012 - 2013 ANNUAL SUBSCRIPTION FORM

Subscriptions are due on 1st October annually. Please return the form with payment to the Honorary Treasurer.

SUBSCRIPTION RATES

Ordinary Member £10

Student Member FREE (Please give details of educational establishment and department below)

PERSONAL DETAILS

Title, Surname First Names

Tel. No. E-mail address

Company / University and Course.....

Address (Home / work)

.....

Postcode

METHOD OF PAYMENT (Please tick box)

Cheque payable to the Midland Geotechnical Society

Cash

Student (free)

Standing Order (New - Please complete form below)

Standing Order (Existing – No action)

GIFT AID

If you are a UK taxpayer, making a Gift Aid Declaration will increase the value of your donation by nearly a third, at no additional cost to you. Please tick here to authorise us to reclaim tax on your future donations and those made previously over the last 5 years. Please inform us if you no longer pay an amount of income tax or capital gains tax equal to that we reclaim on your donations.

I agree that my details may be held on computer for MGS purposes only.

Signed.....

STANDING ORDER FORM

TO THE MANAGER (name and address of own bank)

Please pay to HSBC Bank, PO Box 68, 130 New Street, Birmingham B2 4JU, to credit "THE MIDLAND GEOTECHNICAL SOCIETY" ACCOUNT NO. 91030612, SORT CODE NO. 40-11-06, the sum of ten pounds (£10) on the first day of October 2012 and each succeeding year until cancelled by me in writing.

This replaces any existing standing order arrangement with the Midland Geotechnical Society taken out for the sum of two pounds and fifty pence (£2.50)

Account No. Sort Code.

Your Name as appears on the Account (block capitals).....

Signed Date.....

Your Address (block capitals).....

Please send the completed form direct to the Honorary Treasurer at the address below for registration and onward despatch to your bank.

Honorary Treasurer: Lindsay Burt
The Midland Geotechnical Society
Church Farmhouse, Church Lane
Mollington, Banbury
Oxon, OX17 1AZ

E-mail lindsayhbert@yahoo.co.uk
Tel. 07961 129399
<http://www.midlandgeotechnicalsociety.org.uk>

Registered Charity Number: 514610