

3rd Workshop on
Eurocode 7 and New Design Challenges
www.workshopec7.com

Tuesday 17th March 2015, 17:30
UCL Bentham House, London WC1H 0EG

This year's workshop will focus on three important geotechnical codes of practice – BS 8004, *Code of practice for foundations*, BS 8002, *Code of practice for earth retaining structures*, and BS 8081, *Code of practice for grouted anchors* – which are currently being revised. All three British Standards are expected to publish in the summer of 2015. The first two of these codes of practice were withdrawn in March 2010 to coincide with the introduction of Eurocode 7 (BS EN 1997). Funding from HS2 has enabled the BSI Standards Limited to commission work to revise the withdrawn codes of practice with input from the industry and create standards that provide 'non-contradictory, complementary information' (NCCI) for use in conjunction with BS EN 1997 and its UK National Annex. These revisions also offer industry the opportunity to update the technical content of standards that are now 20 to 30 years old. The revised BS 8002, BS 8004 and BS 8081 drafts are currently out for public consultation until 24 March 2015. These drafts can be viewed and commented on via the BSI online draft review system, <http://drafts.bsigroup.com>. Registration is free.

International speakers at the event will be **Ole Møller** and **Julien Habert**, who will share their experience with NCCI documents in Denmark and France respectively. From the UK, speakers will be **Dr Andrew Bond** of Geocentrix (technical author for the BS 8004 and BS 8002 revisions), **Dr Caesar Merrifield** of Coffey and **Dr Devon Mothersille** of Geoserve Global (technical authors of the BS 8081 revision). Moreover, **Asim Gaba** from Arup, will give an update on the current revisions of CIRIA Report C580 – *Embedded retaining walls: guidance for economic design*.

Speakers



Dr Andrew Bond (UK) is managing director of Geocentrix Ltd. Since 2010, Andrew has been the chairman of CEN TC250/SC7, the committee responsible for developing and maintaining Eurocode 7; as well as the Institution of Civil Engineers' representative on BSI committee B/526 Geotechnics and vice-chairman of European Technical Committee 10, implementation of Eurocode 7. Andrew is lead author of the book *Decoding Eurocode 7*, published in 2008. He is co-author of Chapter 7 of the BSI's publication PP1990 *Extracts from the Structural Eurocodes for students of structural design* (2004, 2007, and 2010); the Concrete Centre's 2006 guide *How to design concrete structures using Eurocode 2*; and BSI's *Structural Eurocodes Companion* (2009). Andrew has delivered numerous public training courses on the Structural Eurocodes, both through his own company and for other providers. He jointly delivered the Eurocodes Expert Roadshows 2005, to audiences exceeding 300 civil and structural engineers. He has given lectures on the topic to various ICE and IStructE regional groups. His courses for Geocentrix, under the generic title *Decoding Eurocode 7*, have been delivered publicly to over 2000 engineers and in-house to more than 30 UK consultants, contractors, and public authorities.



Ole Møller (Denmark) is the head of the geotechnical design section with Aarsleff, and has been with Aarsleff for more than 25 years working as a structural and geotechnical engineer engaged with the design of strutted and anchored retaining walls, pile foundations, uplifts and structural design of steel and concrete elements in various geotechnical structures. Since 2003 he has been a member of the Danish Standard Committee for geotechnical design. He has been co-author for each of the three revisions of the Danish National Annex since the introduction of the Eurocodes in 2009 in Denmark. He is a member of CEN/TC288/WG 16 for the revision of EN 1537, *Execution of ground anchors*, a member of CEN/TC/WG 16 for the revisions of EN 12699, *Displacement piles*, and EN 14199, *Micropiles*. In addition, he is a member of the CEN/TC259/SC7 Evolution Group (EG) 1 for the revision of EC7-1 Section 8, *Anchors*, a member of CEN/TC250/SC7 EG7, *Pile design*, a member of ISO/TC182/SC1/WG3 for the revision of EN ISO 22477-5, *Test of anchors* (grouted anchors) and a member of EFFC TWG (European Federation of Foundation Contractors, Technical Working Group).



Dr Caesar Merrifield (UK) is a Senior Principal of Coffey Geotechnics and has over forty-five years' experience in civil and geotechnical engineering. He has followed a career in geotechnics as a contractor, consultant and for 22 years as a senior academic at Manchester University undertaking research into ground anchors amongst other topics. He has extensive experience in the drafting and revision of standards. Since 1992 he has been involved in standard development, initially as convenor and technical editor responsible for the drafting of EN 1537, *Specialist geotechnical works – Ground anchorages*, and then as convenor of CEN/TC288/WG14, responsible for the first revision of EN 1537. He has been, until recently, a member of BSI Committee B/526 as an anchor specialist. He was a UK representative on CEN/TC250/SC7/EG1, revising Eurocode 7 Chapter 8, on anchor design and is also a member of the B/526 anchor panel drafting the UK National Annex for BS EN 1997-1:2004+A1:2013 (amended Eurocode 7, Chapter 8). His publication record includes papers on the fundamental behaviour of anchors based on his research undertaken on the P W Rowe 500g Tonne geotechnical centrifuge at Manchester University.



Dr Devon Mothersille (UK) received his Ph.D. from the University of Bradford for his work investigating the influence of close proximity blasting on the performance of ground anchor systems in rock. Dr Mothersille is the managing director of two specialist ground anchor consultancies; Geoserve Global Ltd and Single Bore Multiple Anchor Ltd. He works as a ground anchor consultant in many parts of the world including Australia, Hong Kong, the Middle East, Russia, Spain, Turkey and the USA where he has advised clients and implemented complex ground anchor solutions. He acts as an expert witness on legal cases related to ground anchor technology and is an active member of committees tasked with the implementation of Eurocode 7, covering the design, execution and testing of ground anchors. He is currently the convenor to WG3, engaged to revise EN ISO 22477-5 (testing of ground anchors), and chairman of the UK Ground Anchors Panel. In September 2013 his contribution to the industry was recognized when he was awarded the Fellowship of the Institution of Civil Engineers.

Timetable

1st session 17:30-18:45 chaired by **Georgios Katsigiannis**, Researcher at UCL & Arup

17:30 Welcome

17:35-18:00 **Ole Møller**

18:00-18:25 2nd intern speaker (TBC)

18:25-18:45 **Asim Gaba** An Update on CIRIA C580

Coffee break 18:45-19:00

2nd session 19:00-20:30 chaired by **Brian Simpson** from Arup Geotechnics

19:00-20:00 BS

20:00-20:30 Panel Discussion

Sponsors

The workshop is supported by Arup and the European Institute, UCL. **Georgios Katsigiannis**, as a member of the UCL Geomechanics and Materials Group, being awarded the Junior Researcher 2014-15 Grant, ensured funding for the organisation of the event. For more information about the European Institute visit <http://www.ucl.ac.uk/european-institute/>

Location

Bentham B01 Main Lecture Theatre UCL

Bentham House

4-8 Endsleigh Gardens

London WC1H 0EG

United Kingdom

[Google map](#)

[Register here](#)

For any questions contact:

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