Introduction & Objectives
This workshop is organised to prepare structural and geotechnical engineering practitioners for the adoption of the Eurocode 7 in Singapore. After attending the workshop, the participants will be able to:
• Appreciate the design approach based on the Eurocodes
• Appreciate the geotechnical design approach based on SS EN 1997 (EC 7) and Singapore National Annexes
• Apply EC 7 for the design of spread and pile foundations
• Apply EC 7 for the design of retaining structures
• Apply EC 7 for the slope stability and embankment design.

Workshop Topics
1. Overview and Geotechnical Design using Eurocode 7
• Overview of Eurocodes and Eurocode 7
• Basis of Geotechnical Design
• Geotechnical Data and Parameters
• Supervision of Construction, Monitoring and Maintenance

2. Foundations: Spread & Pile Foundations
• Design situations and limit states
• Basis of Design
• Design by calculation
• Design by testing
• Guided Examples

3. Retaining Structures and Anchorage
• Design situations and limit states
• Basis of Design
• Design for Serviceability
• Guided Examples

4. Hydraulic failure, Overall stability and Embankments
• Design situations and limit states
• Basis of Design
• Uplift
• Hydraulic failure
• Stability of slopes
• Guided Examples

Details
5th Run: 26, 28 Mar, 1, 3 & 8 Apr 2013
Time: 6.30pm to 9.30pm
Duration: 15 hours (5 evening lessons)
Venue: BCA Academy
Fee (Inclusive of GST): S$642.00
Refreshments will be provided.
Effective 1 April 2013, the course fee will be revised to S$700.00 (incl. GST).
To enjoy the current course fee, completed registration form with payment must be received by BCA Academy latest by 28 March 2013.

CPD Points
PEB - Pending
IES-ACES (for REs & RTOs) - Pending

Target Audience
• Practicing Structural Engineers
• Geotechnical Specialists
• Resident Engineers
• Supervisory Personnel
• Academia
Workshop Leaders

ER YANG KIN SENG is currently a Deputy Director with the Building and Construction Authority. He is a Specialist Professional Engineer in geotechnical engineering registered with the Professional Engineers’ Board, and a Specialist Accredited Checker registered with the Building and Construction Authority. Er. Yang Kin Seng is a Co-Chairman of SPRING Singapore Eurocodes Review Advisory Committee, and a Co-Chairman of the Technical Committee on Civil and Geotechnical Works which also oversees the adoption of Eurocode 7 on Geotechnical Design for Singapore practice.

ASSOC PROF HARRY TAN SIEW ANN is an Associate Professor in the Department of Civil Engineering at the National University of Singapore (NUS). He is a registered Professional Engineer in Singapore and has been involved in major consulting works in Singapore and Malaysia. He is currently involved as specialist geotechnical consultant in several Land Transport Authority (LTA) projects involving very large deep excavations in difficult soil/rock ground conditions at the Marina Coastal Expressway and the Downtown Line2 and Line3 railway tunnels in Singapore.

ASSOC PROF ANTHONY GOH TECK CHEE is an Associate Professor in the School of Civil and Environmental Engineering at Nanyang Technological University. He obtained his B.Eng (First Class Honours) and PhD from Monash University. His teaching, research and professional practice have covered many aspects of geotechnical engineering including earth retaining structures, pile foundations, slope stability, soil-structure interaction and soil liquefaction.

DR WONG KAI SIN graduated in 1972 with a BS degree from the University of Illinois. He received his MS and PhD degrees from the University of California at Berkeley in 1975 and 1978 respectively. He practiced geotechnical engineering in California before joining NTI in 1984. He retired from NTU in 2010 and is currently working full-time in consultancy works. His major areas of interest are deep excavations, deep foundations, slope stability, ground settlement, land improvement, land reclamation and soil-structure interaction problems.

Registration Form - Workshop on Geotechnical Design using Eurocode 7

Date:__________________________ Fee (Inclusive of GST): S$642.00 Refreshments will be provided.
Time: 6.30pm to 9.30pm
Venue: BCA Academy

Name of Participant NRIC/Passport No Designation HP no. Email

☐ Yes, I would like to receive course - seminar updates via email ____________________________.

Company Name: Company UEN No.:

Mailing Address:

Contact Person Particulars

Name: (Dr/Mr/Mrs/Ms) Email:

Designation: Hp no.:

Telephone No.: Fax no.:

Payment
Enclosed is a cheque no.__________________________ (Cheque should be crossed, marked “account payee only” and payable to ‘Building and Construction Authority’ for S$642.00 (Inclusive of GST)).

☐ OR Deduct from GRO acc. No. ____________________________ (should be the same bank account number as indicated in the Direct Debit Authorisation form submitted to BCA)

Company Stamp

Name/Signature (*Company/individual applicant)

Registration may be made by fax, e-mail, post or by hand. To confirm registration, payment must be made before the course/semester/module date via cheque, VISA or Nets/cash. No invoice will be issued.

Walk-in applicants will only be admitted on the basis of seat availability and full payment. Please inform us in writing of any change in your registration, which is subject to administrative charges as shown below:

Request for Replacement and/or Withdrawal
- Request for replacement in writing, must reach BCA Academy before the commencement date of the course/semester/module: No administrative charge
- Request for withdrawal in writing, that reaches BCA Academy at least 2 weeks before the course/semester/module date: 90% refund of seminar/course/workshop fee.
- Request for withdrawal in writing, that reaches BCA Academy less than 2 weeks but more than 3 working days before the course/semester/module date: 75% refund of course/semester/module fee.
- Request for withdrawal in writing, that reaches BCA Academy 3 working days or less before the course/semester/module date: No refund of seminar/course/workshop fee.

Deferment and Course Switching
An administration fee of 10% of the original course/semester/module fee is chargeable if notice in writing is received by BCA Academy at least 2 weeks before the semester commencement date. An administration fee of 25% of the fee is chargeable if the notice is received by BCA Academy less than 2 weeks but more than 3 working days before the semester commencement date. No deferment or course switching is allowed if the notice is received by BCA Academy 3 working days or less before the semester commencement date. Under the circumstance, the case will be treated as withdrawal unless the registered participant decides to proceed with the original course.

In the case of a successful course switching, the participant may be given a refund if the fee of the new course is lower than that of the original course. However, any refund arising from course switching shall not be more than 10% of the fee of the original course.

BCA Academy reserves the right to amend the seminar/course/workshop details or cancel the seminar/course/workshop and fully refund the participants should unforeseen circumstances warrant it.

Enquiries
For enquiries, please call 6246-9999 or email us at bca_academy@bca.gov.sg or fax us at 6258-0558
For details of other seminars/courses/workshops, please visit our website @ www.bca.edu.sg

Registration
Seats are limited; registration is on a first-come, first served basis. Training places will be confirmed upon the payment of the fees before the commencement date. Cheques with original application and supporting documents should be mailed to BCA Academy, 200 Braddell Road, Singapore 579700