



A Leader in Education
and Research on the
Built Environment

BCA ACADEMY
of the built environment

EUROCODE-7 Geotechnical Design Workshops

This series of workshops on Eurocode-7 is organised to prepare the construction industry for the adoption of the Eurocode in geotechnical design and applications. The workshops will provide participants with an overall understanding of the key features of **EN 1997 and updates on its National Annexes**. As part of the series, separate workshops will provide an in-depth understanding of the analysis, design and applications of pile foundations & sheet pile walls.

2 Oct 2008 (Thu) 9am - 5pm

1

1-day Workshop on

Geotechnical Design and Applications Using Eurocode 7

The workshop is aimed to provide participants with an understanding of the key features of EN 1997 – Part 1 & 2 and an update on its National Annexes.

Content

- Overview of EN Eurocodes
- EN 1997-1 General rules
- Verification of strength (GEO/STR)
- Verification of stability (UPL/HYD/EQU)
- Verification of serviceability
- Overview of investigation standards EN 1997-2 Ground investigation and testing
- Ground characterization
- Reporting (GDR and GIR)
- National Annexes

3 Oct 2008 (Fri) 9am - 5pm

2

1-day Workshop on

Design of Pile Foundations Using Eurocode 7

The workshop will cover detailed calculations as well as design applications of Pile Foundations using EN 1997.

Content

- Basis of geotechnical design
- Design of pile foundations
- Workshop (pile design by calculation)
- Field testing of pile foundations
- Workshop (pile design by testing)
- Execution of pile foundations

6 Oct 2008 (Mon) 9am - 5pm

3

1-day Workshop on

Design of Sheet Pile Walls Using Eurocode 7

The workshop will provide participants with an in-depth understanding of the design & applications of Sheet Pile Walls using EN 1997.

Content

- Basis of geotechnical design
- Design of embedded walls
- Anchored retaining wall
- Design of steel sheet piles
- Structural design of sheet pile section
- Execution of sheet pile walls

Who Should Attend

- ✓ Structural & Geotechnical Practicing Engineers
- ✓ Consultants
- ✓ Site Supervisory Personnel
- ✓ Resident Engineers
- ✓ Resident Technical Officers
- ✓ Government Agencies
- ✓ Academics

Accreditation

- BOA-SIA – Pending
- PEB– Pending

Venue

BCA Academy, 200 Braddell Road, S(579700)

Fees with GST

Individual workshops	\$288.90 (per pax)
For all the three workshops:	\$802.50 (per pax) (discount of \$64.20)

(Fee includes course material, lunch & refreshments. Car parking is free on a first come, first served basis)

Note:

Participants can register for any one of the workshops separately. Attending workshop 1 is recommended for participants who register for the workshop series 2 or 3, as it provides the foundation knowledge.

The education and research arm of the Building and Construction Authority

WORKSHOP LEADER

Dr Andrew John Bond is one of the UK's representatives on CEN TC250/SC7, the committee responsible for producing Eurocode-7, and the ICE's representative on B/526, the BSI committee that looks after British Standards for geotechnics. He was a member of the IStructE committee that prepared the UK 'National Strategy for Implementation of the Structural Eurocodes' (2004) and he co-authored the chapter on Eurocode-7 in the BSI 'Guide to Structural Eurocodes for students of structural design' (2004). He is currently preparing the book 'Decoding Eurocode 7' for publication by Spon in 2008.



Dr Andrew John Bond
MA MSc PhD DIC CEng
MICE

Andrew is a Chartered Civil engineer with over 25 years' experience in geotechnical engineering; and has particular expertise in the behaviour of piled foundations and retaining structures, the design and development of computer software, and the effective utilization of the Internet.

He has written over two dozen articles, papers, and other publications covering all aspects of his work. He won the American Society of Testing and Materials' Hogentogler Award in 1993 for the best paper to be published in an ASTM journal. He also won the Unwin Prize in 1989 for the best PhD in civil engineering at Imperial College.

Andrew is managing director of Geocentrix, a company specializing in the development of geotechnical design software.

REGISTRATION FORM (please ✓ accordingly)

- 1-day workshop on Geotechnical Design and Applications Using Eurocode 7 (Code: 73101)
- 1-day workshop on Design of Pile Foundations Using Eurocode 7 (Code: 73102)
- 1-day workshop on Design of Sheet Pile Walls Using Eurocode 7 (Code: 73103)
- Attending all 3 workshops (Code: 73100)

Participant Name	NRIC/Passport No	Designation	HP no.	Email	PEB	BOA-SIA
1					<input type="checkbox"/>	<input type="checkbox"/>

Yes, I would like to receive course / seminar updates via email _____
(Please ✓ accordingly)

Company Name: Company CPF 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 'BCA Academy') for S\$ _____

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

.....
Name/Signature (*Company / individual applicant)

Company Stamp
(For company application)

* Delete wherever necessary

Reservation may be made by fax, e-mail, post or by hand. To confirm the reservation, payment will have to be made before the seminar date via cheque, VISA or Nets/cash. No invoice will be issued. Walk-in applicants will only be admitted on the basis of availability and full payment before attending the seminar. Please inform us in writing of any change in your registration (which is subject to administrative charges shown below). If no notice of withdrawal is received by 3 working days before the commencement date, the full seminar fee will be charged.

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

Notice of Replacement and Withdrawal

- Notice of replacement, with written request must reach BCA Academy before the commencement date of the seminar: No administrative charge
- Notice of withdrawal, with written request that reaches BCA Academy at least 2 weeks before the seminar date: 90% refund of seminar fee.
- Notice of withdrawal, with written request that reaches BCA Academy less than 2 weeks but more than 3 working days before the seminar date: 75% refund of seminar fee.
- Notice of withdrawal, with written request that reaches BCA Academy 3 working days or less before the seminar date: No refund of seminar fee.

ENQUIRIES:

For enquiries, please call 6248-9999 / 6248-9843
or email: bca_academy@bca.gov.sg

For other seminars/courses details, please visit our
website @ www.bca.gov.sg/academy

REGISTRATION:

Seats are limited, registration is on a first-come-first-served basis. Training places will be confirmed upon the payment of the seminar fees before the commencement date.

Please fax application form to facsimile: 6258-0558

Cheques with original application should be mailed to:-

BCA Academy, 200 Braddell Road, Singapore 579700