ACES One-Day Course on Design using Eurocodes 0 & 1
EN 1990 : Basic of Structural Design and
EN 1991 : Actions on Structures [4th Run]

Date: 17 October 2015, Saturday
Duration: 9.00 am to 5.30 pm
Venue: 18 Sin Ming Lane #06-01 Midview City
Singapore 573960
CPD: STUs / PDUs pending

Synopsis

BCA has introduced the Eurocodes, one of the world’s most advanced and established building codes, and on 1 April 2015, BCA will withdraw the current codes - which are based on the British Standards - from use. The Eurocodes will replace them as Singapore’s prescribed building codes for structural design. This one day seminar aims to cover two essential codes – EN1990 and EN1991 which are necessary for structural design regardless of types of construction material. The head code EN 1990: Basic of Structural Design establishes the principles and requirements for Safety, Serviceability and Durability of structures. EN 1991 Eurocode 1 : Actions on Structures is on the design provisions for dead loads, imposed loads, wind actions, thermal actions, accidental actions etc. Work examples will be used to illustrate some of the applications. Significant adjustments/difference between the Eurocodes and the British Standards will also be highlighted.

TRAINER: Associate Professor TAN Teng Hooi
BEng (Hons) 1st Class, MSc, PhD, CEng, PEng, FICE, FIES, ACPE

Dr. Tan Teng Hooi, is a Chartered Engineer and Professional Engineer. In his more than thirty years of engineering career, he has worked in the academia where he lectures, conducts research, provides consultancy especially in the field of concrete and structural engineering, and in the industry as a practitioner. He has served in many technical committees on standards in SPRING Singapore relating to the construction industry including as a member of SPRING, Singapore’s Technical Committee on Building Structure and Sub-structure wherein he also serves as a Convenor, on the adoption of Eurocode 0 and Eurocode 1 in Singapore and member of the workgroup for Eurocode 2. He was a council member in the Institution of Engineers Singapore and a Board member in the Professional Engineers Board Singapore. He is also a member of the Disciplinary Panel in the Council for Estate Agencies and Engineering Accreditation Board Member.

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<th>ACES, JAC RE &amp; RTO:</th>
<th>S$ 200 / pax</th>
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<td>Non-Member:</td>
<td>S$ 360 / pax</td>
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Seats are limited; registration is on a ‘first come first served’ basis.
# ACES One-Day Course on Design using Eurocodes 0 & 1

**EN 1990 : Basic of Structural Design and EN 1991 : Actions on Structures**

## Programme

<table>
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<tr>
<th>Time</th>
<th>Session</th>
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<td>8.30 am</td>
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| 9.00 am – 10.30 am | • Overview of the Eurocodes  
• EN 1990 Eurocode “0” : Basis of Design - Session 1 of 2 |
| 10.30 am – 10.45 am | *Tea Break*                                                            |
| 10.45 am – 12.30 pm | EN 1990 Eurocode “0” : Basis of Design - Session 2 of 2               |
| 12.30 pm – 1.30 pm | *Lunch*                                                                |
| 1.30 pm – 3.00 pm | EN 1990 Eurocode 1 : Actions on Structures                             
• Part 1-1 – General Actions – Densities, self-weight, imposed loads for Buildings  
• Part 1-4 – General Actions – Wind actions    |
| 3.00 pm – 3.15 pm | *Tea Break*                                                            |
| 3.15 pm – 5.30 pm | EN 1990 Eurocode 1 : Actions on Structures                             
• Part 1-5 – General Actions – Thermal Actions  
• Part 1-7 – General Actions – Accidental Actions  
• Questions and Answers                      |
| 5.30 pm    | End of Course                                                          |
# REGISTRATION FORM

For enquiry, please call ACES Secretariat at Tel: 6324 2682, please email your registration form to registration@aces.org.sg

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<tr>
<th>Code</th>
<th>Topic</th>
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<tr>
<td>W17</td>
<td>ACES One Day Workshop on Design using Eurocodes 0 &amp; 1 EN 1990: Basic of Structural Design and EN 1991: Actions on Structures [4th Run]</td>
<td>Associate Professor TAN Teng Hooi</td>
<td>Member: $200 Non-member: $360</td>
<td>17 Oct 2015 (Sat) 9am to 5.30pm</td>
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Company:

Address:

Postal code:

*Contact Person:* *Mobile No.:* *Email:*

Dietary Requirements (if any): Vegetarian ________ no. of pax

**PAYMENT**

Enclosed is a Cheque No: ________________________ (Cheque should be made payable to Association of Consulting Engineers Singapore and mailed to ACES Secretariat, Association of Consulting Engineers Singapore, Thomson Road Post Office, PO Box 034, Singapore 915702)

**Terms and Conditions**

By submitting and signing this application form, the company and individual applicant agree to the following:

a) The company and individual applicant has read and understood the terms of the flyer (if available) and the application form.

b) Payment for the course must be made before the course commencement date.

c) ACES reserves the right to amend any details relating to the course, revise the course fees without prior notice, cancel or postponed the course.

d) Request for withdrawal or replacement must be made in writing. Requests are subject to approval by ACES.

- Written request for replacement must reach ACES before the course commencement date. There will be no additional charges for suitable replacement
- Written request for withdrawal that reaches ACES
  - At least At least 7 working days before course commencement: Full Refund
  - 4 to 6 working days before course commencement: 50% of the course fee Refund
  - 3 working days before and upon course commencement: No Refund

To be completed by Company and Individual Applicant

**COMPANY APPLICANT**

Name: ________________________________

Signature: ________________________________

Date: ________________________________

Company stamp (for company application)

**INDIVIDUAL APPLICANT**

Name: ________________________________

Signature: ________________________________

Date: ________________________________