One Day Workshop on Design using Eurocodes 0 & 1  
EN 1990 : Basic of Structural Design and  
EN 1991 : Actions on Structures [2nd Run]

Date: 2 August 2014 (Saturday)

Duration: 9.00 am to 5.30 pm

Venue: Singapore Manufacturing Federation  
Level 2, Concourse 1  
2985 Jalan Bukit Merah, S159457

CPD : 7PDUs and 6STUs

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<th>ACES Member / JAC RE &amp; RTO:</th>
<th>S$180/pax</th>
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<td>Non-Member:</td>
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Seats are limited: Registration is on a ‘first come first served’ basis.

Synopsis

BCA has mandated the use of Eurocodes, one of the world’s most advanced and established building codes, and as from April 2013, has allowed building professionals to submit the structural plans of a building using the code. 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.
# Workshop Outline

**One Day Workshop on Design using Eurocodes 0 & 1**

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<td>8.30 am</td>
<td>Registration</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 Workshop                                           |
**REGISTRATION FORM**

For further information, please contact Ms Lilian Lean or Ms Jennifer Quek  
Tel: 63242682   Email: secretariat@aces.org.sg

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<tr>
<th>Workshop</th>
<th>Topic</th>
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<th>Fee per pax</th>
<th>Schedule</th>
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<td>W5</td>
<td>One Day Workshop on Design using Eurocodes 0 &amp; 1 EN 1990 : Basic of Structural Design and EN 1991 : Actions on Structures [2nd Run]</td>
<td>Associate Professor TAN Teng Hooi</td>
<td>Member: $180 Non-member: $250</td>
<td>2 Aug 2014 (Sat) 9.00 am to 5.30 pm</td>
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**Company:**

**Address:**

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Please complete the required information marked * for confirmation purpose

You are required to submit the Registration Form to reserve seat.

We will send you our invoice for you to process the required payment upon acknowledgement of your registration.