BCA-REDAS-SGBC Green Building Seminar 2012: UNVEIL THE SECRETS BEHIND GREEN SUCCESSES

As part of a concerted efforts to shape a greener and more sustainable Singapore, the annual BCA-REDAS-SGBC Green Building Seminar aims to provide a platform for practitioners to gain insights of overseas and local advancement towards green building - its technologies and concepts, business cases and models, as well as exemplary projects.

At this seminar, winners of the inaugural BCA-SGBC Green Building Individual Awards and leading firms in Green Mark Awards of 2011 will share their valuable insights on their greening journey and project experience.

Date: 19 Mar 2012
To register, click here!

3-Day Course on Computational Fluid Dynamics (CFD) Airflow Modeling for Green Buildings

The course is offered as part of BCA’s Certified Green Mark Professional Programme to raise industry capability in the niche area of Sustainable Design and Development.

The course aims to (a) provide participants with an overview of the use of CFD tools in the context of built environment and more specifically in the process of designing and delivering a green building; (b) equip participants with CFD modeling techniques and relevant software skills; (c) expose participants to representative building airflow modeling examples with an established CFD software tool; and (d) familiarize participants with the CFD simulation requirements in BCA’s Green Mark Standards.

Date: 20, 21 & 22 Mar 2012
To register, click here!

Half-Day Seminar on Design of Steel Structures using Alternative Steel Materials to BC1: 2012

Building and Construction Authority (BCA) has recently revised ‘BC1: 2012 – Design Guide on the use of alternative steel to BS 5950 and Eurocode 3’ to align with the latest design principles and changes in material technologies. BCA is planning to implement this revised guide from April 2012. The revised BC1: 2012 version has an expanded scope covering additional steel products such as tension rods and sheet piles. The quality assurance requirements for “re-used” steel materials used in the bracing of excavation works as well as design approaches using the Eurocode 3 has also been included in the revised guide.

The seminar will also cover an actual implementation case study of the quality regime for re-usable steel struts used in the bracing of deep excavation support systems.

Date: 28 Mar 2012
To register, click here!
4-Evening Course on **Design of Deep Excavation Temporary Earth Retaining Structures**

This course will provide engineers a good insight into the concepts, analysis and design of deep excavation temporary works; the challenges involved in deep excavations in soft and complex soil conditions and geotechnical instrumentation planning. It will also cover methods of construction and critical areas of supervision in deep excavation.

**Date:** 2, 3, 9 & 10 Apr 2012
**To register,** [click here!](#)

4-Evening Course on **Supervision of Piling Works for Engineers and Supervisory Personnel**

Various challenges are present in pile foundation works due to the uncertainties and variability of the ground conditions. Once the piles are installed, they are expected to function throughout their lives. During the lifetime of the building, the foundation is rarely inspected for its continued structural integrity and stability. Supervision of piling works for building foundation is therefore essential and critical in ensuring the quality of construction works and safety of building structures.

This short course imparts to participants the essential knowledge of good construction practices, supervision of piling works, regulatory requirements and testing of pile foundation works.

**Date:** 10, 12, 17 & 19 Apr 2012
**To register,** [click here!](#)

5-Evening Workshop on **Geotechnical Design using Eurocode 7**

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.

**Date:** 16, 18, 23, 25 & 30 Apr 2012
**To register,** [click here!](#)