2-day Workshop on Design of Concrete Structures - Eurocodes versus British Standards

To prepare local structural engineering practitioners for the adoption of the Eurocodes in the design of reinforced concrete building structures, this 2-day workshop will approach the design of concrete building structures using Eurocodes in a comparison with BS 8110, which has been a familiar code of practice in Singapore. The workshop will contain lectures as well as hands-on tutorial sessions to provide participants with practical design experience.

This workshop is jointly organised by BCA Academy and Protective Technology Research Centre of Nanyang Technological University.

CPD Points
PEB: 14 PDUs
IES & ACES (for REs & RTOs): 12STUs

Date: 4 & 5 Feb 2013
To register, click here!
4-Evening Certification Course for Site Investigation Supervisors

The Singapore Accreditation Council (SAC) of SPRING Singapore, with the support of Geotechnical Society of Singapore (GeoSS), Building and Construction Authority (BCA) and Land Transport Authority (LTA) is introducing an accreditation scheme for site investigation firms. As part of the accreditation requirements for site investigation firms, site investigation supervisors of the firms are required to undergo a training course on site investigation. Upon successfully completing the course, they can be registered as “Certified Site Investigation Supervisor” with GeoSS.

**CPD Points**

PEB: 13 PDUs

WSH-CPD (for WSH officers): Pending

IES & ACES (for REs & RTOs): Pending

**Date:** 18, 19, 25 & 26 Feb 2013

To register, [click here!](#)
1 Day Course on **Sustainable Hot Water & Heat Recovery Systems**

Hot water systems are used in several types of buildings such as hotels, hospitals, hostels and factories. They often consume significant amount of energy resulting in high energy cost and carbon footprint. The hot water system of a hotel can account for up to 10% of the hotel’s energy needs. For example, the hot water system of a 500-room, five-star hotel, consumes about 1.25 million KWH of energy annually, which translates to S$250,000 in terms of annual electricity cost if electric boilers are used.

Buildings in the tropics require cooling all year round. The heat rejected by the air conditioning system is typically 10 times greater than the heat required for the hot water systems. This presents an enormous opportunity for the waste heat from the air conditioning system to be recovered for the water heating instead of using raw sources of energy such as electricity or gas or diesel. Unfortunately, more than 80% of buildings still use raw energy to produce hot water. Heat recovery system when designed and operated well, can provide 60 ºC water safely, reliably and with zero energy.

**CPD Points**
**PEB: 7 PDUs**

**Date:** 25 Feb 2013

To register, [click here!](#)
1-Day Workshop on Programme Risk Management - Technical Use of Programmes to Control, Manage and Optimise the Project

This workshop will concentrate on good programme management and optimisation strategies and techniques for effectively managing and mitigating the risk and challenges in managing a project towards successful completion. It will also cover tools for avoiding and analysing issues in disputes, and for resolving disputes quickly with minimum cost.

A case study will be used to help participants gain a better understanding of the potential problems and risks arising due to project delays.

**CPD Points**
PEB: 6 PDUs
BOA-SIA: Pending

**Date:** 28Feb2013
To register, [click here!](#)
3-Evening Workshop on Site Management of Precast Concrete Construction

Good site management practices and planning of precast concrete construction activities such as on-site/off-site casting of precast members, transportation of the members to site, erection and construction considerations would contribute to more efficient, less labour intensive and faster construction. This would eventually lead to better construction productivity.

This interactive workshop provides construction managers with practical knowledge in the planning, execution and control of precast concrete construction. At the end of the programme, participants will be able to plan and manage precast concrete construction site activities effectively.

**CPD Points**

PEB: Pending

WSH-CPD (for WSH officers): Pending

IES & ACES (for REs & RTOs): Pending

SPM: Pending

**Date:** 4, 7 & 11 Mar 2013

To register, [click here!](#)
6-Month Part-time Course on Graduate Certificate in Workplace Safety and Health

The Graduate Certificate in WSH course aims to prepare WSH officers and other WSH personnel in construction industry to be competent WSH auditors or perform the role of an advisor in WSH matters. It is designed to equip participants with the necessary skills and knowledge in legal requirements, planning, implementation, control & reviewing of WSH management system as well as communication and relationship management at managerial level.

**CPD Points**

**WSH-CPD (for WSH officers) :** Pending

**Date:** Starting on 4 Mar 2013

**To register, click here!**

**Registration Closing Date:** 7 Feb 2013

For enquiries or feedback, please email us at bca_academy@bca.gov.sg. Visit the BCA Academy's website now for other seminars/courses details.