4-Evening Course on **Pile Foundation Design and Construction for Engineers**

All structures are to be supported on sound foundation for their safety and subsequent performance. A good understanding of the pile foundation design principles and construction practices is essential for every practitioner, designer, builder and supervisor involved so that structures will be built and maintained safely throughout the life of the structure.

This course aims to provide participants with an insight into the engineering principles of pile foundation design as well as good construction practices adopted locally with special emphasis on cast-in-place reinforced concrete bored piles in compression.

**CPD Points**  
PEB: Pending  
IES & ACES (for REs & RTOs): Pending

**Date:** 13, 15, 20 & 22 Aug 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: Pending  
BOA-SIA: Pending

**Date:** 22 Aug 2013  
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: 19, 22 & 26 Aug 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: Pending
WSH-CPD (for WSH officers): Pending
IES & ACES (for REs & RTOs): Pending

Date: 19, 20, 26 & 27 Aug 2013
To register, click here!
2-Day Course on
Planning & Management of Home Renovation

In an effort to improve the industry to meet the needs of its current and potential renovation contractors, HDB jointly with BCA has launched this course. All existing and new renovation contractors are encouraged to attend the course.

This course is designed to equip participants with the necessary skill and knowledge in planning and managing renovation projects. Particular emphasis is placed on documentation, resource management, quality control, delivering good customer services, designing for home renovation and finally, opportunities for improvement or upgrading of the business.

Date: 26 & 27 Aug 2013
To register, click here!

2-Day Workshop on
Performance-Based Design for Fire Safety

The recent development of fire safety engineering and the trend toward performance-based fire regulations opens up new possibilities for optimising building design without compromising safety. Changes in building regulations in many countries, including Singapore, have begun to allow a performance-based approach to fire safety design.

This workshop aims to equip participants with the skill to illustrate the fundamental and mechanism of fire spread via the building boundaries, assess the compartment fire severity based on Eurocode, and interpret design and performance criteria for the control of fire spread between buildings including the external wall construction and building separation. Participants will also be able to illustrate the impact of emerging flame on vertical fire spread within the building via the perimeter and the effect of the structural elements near to the perimeter of the building as stipulated in Eurocode.

**CPD Points**
PEB: Pending
SCDF *(for Fire Safety Engineers)*: 15 hours

Date: 28 & 29 Aug 2013
To register, click here!

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.