buildSMART
Conference 2018
Unlocking Innovation Through Digital Transformation

The Build Smart Conference provides a platform for practitioners from different disciplines to gain insights of overseas and local advancement towards construction productivity, its technologies, processes and concepts, business case, as well as exemplary projects. Launched in 2011, the Build Smart Conference has been a key event, which is an industry-wide campaign to raise awareness in enhancing construction productivity.

Tuesday, 23 October 2018, 9am to 5pm
Max Atria @ Singapore Expo, Level 2

REGISTER NOW!

TARGET AUDIENCE
Developers, Builders, Contractors, Consultants,
Project Managers,
Construction Managers

CPD POINTS
BOA-SIA: Pending
PEB: Pending
IES-ACES: Pending

<table>
<thead>
<tr>
<th>Build Smart Conference 2018</th>
<th>Fee (inc GST)</th>
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</thead>
<tbody>
<tr>
<td>Discounted Fee * (inc GST)</td>
<td>S$430</td>
</tr>
<tr>
<td>Normal Fee (inc/GST)</td>
<td>S$460</td>
</tr>
<tr>
<td>WTU Funding #</td>
<td>Pending</td>
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</tbody>
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* Discounted fee is only applicable to ‘early birds’ who register by 22 Sep 2018.
* company group registration with 3 or more participants, and BCAA Alumni card holders.
# WTU funding support for eligible local participants

REGISTER NOW!
1-Day Course on
**Maintenance of Electrical Equipment for FM Personnel**

Proper operation and maintenance of major electrical equipment becomes important to increase equipment reliability, extending equipment lifetime and ensuring high levels of health and safety for building users and operation as well as maintenance personnel.

This course aims to provide awareness of the maintenance practices of an electrical installation for FM personnel and non-electrical engineers required to carry out building maintenance works.

**CPD Points**
PEB: Pending

**Date:** 12 Oct 2018  
**Venue:** BCA Academy

To register, [CLICK HERE!](#)
1.5-Days Course on
Design of Flat or Irregular Slabs, Frames and Joints

Reinforced Concrete (RC) is the most widely used construction material in Singapore. In addition, RC structures are getting more complex requiring engineers to be increasingly reliant on computer-aided tools in their work. This course will equip engineers with technical knowledge and tools to compare against software computations.

At the end of the course, participants should be able to:
- Develop knowledge on complex slab design, frame design, beams with openings, etc
- Understand the principles of Strut and Tie Model (STM), and apply STM in the design of disturbed regions of reinforced concrete structures.
- Apply STM to corbels, brackets, beams with openings and deep beams.
- Understand the function of deep beams
- Analyse and design of slabs using Upper and Lower Bound Methods – Strip Method and Yield Line Method.

**CPD Points**
- **PEB:** Pending
- **IES-ACES (RES/RTOS):** Pending

**Date:** 15 & 16 Oct 2018
**Venue:** BCA Academy

To register, [CLICK HERE!](#)
7-Evening WSQ course on

**Manage Financial Resources for WSH**

Manage Financial Resources for WSH is one of the modules (competency units) of the Specialist Diploma in WSH programme. This module is now offered as a standalone module for the benefit of those who wish to learn about managing financial resources in projects in relation to workplace safety and health (WSH).

This unit of competency aims to offer the knowledge, skills and attitudes required of a WSH Personnel to manage financial resources in relation to WSH projects for the organization.

**CPD Points**

**PEB:** Pending  
**IES-ACES (RES/RTOs):** Pending  
**WSH-CPD (WSH Officers):** 19 SDUs

**1st Run:** 30 Oct, 1, 8, 12, 13, 15 & 19 Nov 2018

**Venue:** BCA Academy

To register, [CLICK HERE!]
2-Day Practical Course on

**Safety Data Analytics to Improve Workplace Safety & Health Performance**

Data Analytics is one of the emerging frontier technologies that our workforce needs training in to acquire skills to analyse available data. Workplace Safety and Health (WSH) works involve enormous data in the form of inspection reports, incident reports, safety behaviours indicators, procurement data, etc., that can be analysed with suitable data analytics tools to arrive at outcomes that can be used to improve work productivity and WSH performance at workplaces. Safety analytics can predict and prevent workplace safety incidents, thus saving lives, money and organisation’s reputation which goes beyond the conventional dashboards and safety reports of past incidents or accidents.

This course aims to provide participants a good appreciation of basics of data analytics and its tools, and how WSH data can be analysed with the tools in order to improve safety and health performance and productivity in workplaces.

**CPD Points**

PEB: Pending

IES-ACES *(REs/RTOs)*: Pending

WSH-CPD: Pending

1st Run: 26 & 27 Nov 2018

Venue: BCA Academy

To register, [CLICK HERE!](#)
1-Day Workshop on

Preparing and Defending Loss and Expense Claims

Many on-going projects run the risk of going into disputes, claims, delay and disruption. “Loss and Expense” claim is one of the cost claims that are likely to be encountered by contracting parties of a construction project.

At the end of the workshop, participants would:

- be equipped with the necessary knowledge to manage Loss and Expense claims;
- be able to recognize the “do’s and don’ts” in the claiming process;
- acquire knowledge of legal and technical aspects of claims from experts

**CPD Points**

PEB: Pending

BOA-SIA: Pending

29th Run Date: 18 Oct 2018

Venue: BCA Academy

To register, CLICK HERE
2-Day Practical Course on
Developing a Lifting Plan for Crane Lifting Operations

Lifting plan is a set of plans which is created for use in any crane lifting operations and it consists of all the important information that must be considered in a lifting operation thus ensuring that the lifting operation is carried out safely. It aims to facilitate consensus amongst all relevant stakeholders including the lifting crew for a safe outcome. Under the WSH legal requirements, all lifting operations shall be accompanied by a lifting plan.

This practical course will enable construction site personnel to prepare a proper lifting plan for crane lifting operations and implement the lifting plan in a crane lifting activity.

**CPD Points**
- PEB: Pending
- IES-ACES (for REs/RTOs): Pending
- WSH-CPD (for WSH Officers): 14 SDUs

3rd Run: 24 & 25 Oct 2018
Venue: BCA Academy

To register, [CLICK HERE!](#)
Certification Course for
Universal Design (UD) Assessors

While BCA has made significant progress in leading the building industry towards Universal Design (UD) adoption through funding and seminars, the industry is still lacking in their knowledge and application of UD. There is a need to build the industry’s capability and capacity in adopting UD so as to create an inclusive and age friendly built environment for all ages.

This course aims to provide an overview of the various aspects of adopting an inclusive approach to design. The course will adopt a multidisciplinary approach to gain an appreciation of UD through the direct contact with varied user groups in a focused context; the pragmatics of UD supported by an understanding of the theoretical framework; and the ability to source for and apply qualitative & quantitative information regarding the fit between human and the built environment.

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

15th Run: 26, 30, 31 Oct, 1 & 23 Nov 2018  
Venue: BCA Academy

To register, [CLICK HERE](#)!