Part-time Specialist Diploma in COMPUTATIONAL BIM (BUILDING)(SDCBB)

- Introduction to Computational BIM
- Basic Coding and Programming
- Computational BIM Tools
- Computational BIM (Building) Applications and use cases
- Final Project

*Holders of BCA Certificate of Successful Completion in Computational BIM & graduates of BCA Diploma in Digital Engineering will be exempted from this subject

1st Run: Starting in January 2019
Duration: 5 months + 4 months Final Project
Frequency: 2 to 3 evenings per week (some courses may be held on Saturdays)
Venue: BCA Academy
Fee: S$7,000 (Before subsidy, inclusive of GST)

For full details of Specialist Diploma in COMPUTATIONAL BIM (Building),
CLICK HERE!
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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<tr>
<td>Discounted Fee * (inc GST)</td>
<td>S$430</td>
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<tr>
<td>Normal Fee (inc GST)</td>
<td>S$460</td>
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<tr>
<td>WTU Funding #</td>
<td>Pending</td>
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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!
1.5-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!
2-Day Course on

Principles & Application of

Data Analytics

In recent years, data analytics has gained significant momentum and buy-in from leadership in organisations across sectors and functions. However, many organisations continue to find it challenging to get data analytics off the ground and on the right track due to a combination of technical, cultural and capabilities factors. One of the key factors is the lack of analytics skills among the employees. While organisations may hire specialists to jump start its analytics journey or work in specific analytics projects, the potential of data analytics can only be sustained if the organisation is able to build data analytics capabilities and culture throughout the organisation.

This bespoke workshop aims to address such capability gaps in the built environment sector, especially among professionals and managers in non-analyst roles who wish to work with and make sense of data and analysis of their daily work.

1st Run: 25 & 26 Oct 2018
Venue: BCA Academy

To register, CLICK HERE!
2-day course on
BIM for Building Lifecycle and
Facility Management

The adoption of Building Information Modelling (BIM) during the design and construction stages has transformed our construction industry significantly. However, there are more from BIM that the industry could benefit from, especially in the areas of building operation and asset information management. This 2-day course will enable participants to appreciate how the convergence of BIM and Internet of Things (IoT) could change the way buildings are designed, built, operated and maintained. The lecturer will also demonstrate how BIM and IoT could automate the integration of various building systems and enable smart operation and maintenance.

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

1st Run Date: 25 & 26 Oct 2018
Venue: BCA Academy

To register, [CLICK HERE!](#)
1-day Course on
Green Architecture & the Integrated Design Process

The challenge of building green lies in the process and in getting the project team to agree on targets and outcomes. Participants will learn about the holistic broad based notion of what ‘green’ means and understand how to operationalise principles into practice or establish an operative framework for ‘greening’. They will also know how to define performance and outcomes, know when to intervene and why it matters and make decisions for collective deliberation and judgement.

CPD Points
PEB: Pending
BOA-SIA: 4 CPD Points

6th Run Date: 31 Aug 2018
Venue: BCA Academy

To register, CLICK HERE!
1-Day Course on The Basics of Design for Manufacturing and Assembly (DfMA)

DfMA is a concept that has its roots in the manufacturing sector. In construction, DfMA is a process whereby buildings are designed for ease of off-site manufacturing and efficiency of on-site assembly. In this course, participants will gain essential concepts and principles of DfMA, design consideration for DfMA, its benefits and challenges as well as applications. Case studies will also be discussed.

Upon completion of this course, participants will be able to:
• Understand the basic concepts and principles of DfMA;
• Appreciate design consideration for DfMA; and
• Understand benefits and challenges of DfMA and how such challenges can be overcome for a successful adoption.

CPD Points
PEB: Pending
IES-ACES (for REs/RTOs): Pending (Structural)

5th Run Date: 3 Sep 2018
Venue: BCA Academy

To register, CLICK HERE!

For enquiries or feedback, please email us at bca_academy@bca.gov.sg. For more information, visit the BCA Academy’s website now for other seminars/courses details. You are receiving this email as you are subscribed to our mailing list. If you no longer wish to receive such emails, please send an email to bca_academy@bca.gov.sg with the subject “Unsubscribe”.