IMPERIAL COLLEGE LONDON – BCA
EXECUTIVE DEVELOPMENT PROGRAMME ON
DFMA AND IDD LEADERSHIP 2018

The programme supports the development of leadership capability in Design for Manufacture and Assembly (DfMA) and Integrated Digital Delivery (IDD). The programme is hosted by the Centre for Systems Engineering and Innovation at Imperial College London. They draw on leading research and practice to involve talks, activities and learning journeys that gives an overview of:

- Digital engineering and innovation management
- Optimisation, logistics and design tools
- Site visit and industrial talks
- Practical challenges and DfMA digital strategy

2nd Run: 12 – 15 Nov 2018
Venue: Imperial College London

Early-Bird Discounted Fee valid until 5 Oct 2018
Course Registration closes 19 Oct 2018

CPD Points
BOA-SIA: Pending
PEB: Pending

To register, CLICK HERE!
Part-Time course on
Specialist Diploma in
Computational BIM (Building)

Participants will undergo an intensive course where they will acquire knowledge on basic programming syntax and proceed to learn how to script across various types of computational BIM software for customisation of the BIM programmes. With data generated from BIM models, participants would also be able to manage and manipulate such data for construction use, which enables further application to their respective disciplines.

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

**1st Run:** January 2019  
**Duration:** 5 mths lessons + 4 mths final project  
**Venue:** BCA Academy

To register, [CLICK HERE!](#)

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2-days 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:** 25 & 26 Oct 2018  
**Venue:** BCA Academy

To register, [CLICK HERE!](#)
2-days 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 due to a lack 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!

Half-day masterclass in
Integrated Digital Delivery Through Computational BIM

Computational BIM approach refers to innovative problem-solving processes in which users define algorithms and workflows to automate tasks, optimise outputs and manage changes across different project phases. Computational BIM also forms an important part of Integrated Digital Delivery (IDD).

This masterclass aims to:
• Create awareness to the wider group of built environment industry on the adoption of computational BIM.
• Share best practices, challenges and benefits of computational BIM through case studies.
• Encourage professionals to adopt it in their workflow.

CPD Points
BOA-SIA: Pending
PEB: Pending

1st Run: 16 Nov 2018 (AM)
Venue: BCA Academy

To register, CLICK HERE!
Half-day course on
**Understanding Building Control Regulations – Household and Storey Shelters**

The mandatory provision of civil defence (CD) shelters for all new residential developments started in 1998. In this course, participants will be equipped with the knowledge to:

- Appreciate important architectural, structural and other principal considerations for Household Shelter (HS) and Storey Shelter (SS).
- Plan and design of HS and SS in compliance with technical requirements
- Facilitate smooth and efficient submissions and commission of HS and SS.

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

**3rd Run:** 1 Nov 2018 (AM)
Venue: BCA Academy

To register, CLICK HERE!

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1-day course on
**Application for Temporary Occupation Permit/ Certificate of Statutory Completion**

Having buildings completed and handed over to the owner on time is contractually important. Stakeholders should strive for minimum deviations from the approved building plans and Written Permission to avoid any delay during the TOP/CSC application.

**CPD Points**
BOA-SIA: 4 CPD Points
PEB: 6 PDUs
IES-ACES: Pending (Structural)

**6th Run:** 2 Nov 2018
Venue: BCA Academy

To register, CLICK HERE!
2-days workshop on

**Practical Applications of WSH Legislation in Construction Projects through Case Studies**

Through interactive learning activities and real-life case studies & court cases, this practical workshop will provide participants with clear understanding and appreciation of legal responsibilities of construction and safety personnel under the WSH Act and regulations. With the knowledge learnt in this workshop, the participants will be able to apply them in construction projects and enhance construction safety at sites.

**CPD Points**

PEB: Pending
WSH-CPD (WSH Officers): 14 SDUs
IES-ACES (Res/ RTOs): Pending (Safety)

**6th Run: 19 & 20 Nov 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”.