Timber doors, wardrobes and kitchen cabinets are important components to residential homeowners. However, these components are often seen as problematic areas with defect complaints. The Good Industry Practices - Timber Doors and Good Industry Practices - Wardrobes & Kitchen Cabinets were developed to share with the industry good work practices adopted by practitioners and contractors who have consistently delivered high quality work. This course complements the guidebook by providing practical tips on how good quality timber doors, wardrobes and kitchen cabinets can be achieved on site.

Building and Construction Authority

13 Jun 2017 to 13 Jun 2017
GOOD INDUSTRY PRACTICES - TIMBER DOORS, WARDROBE & KITCHEN CABINET

Venue
BCA Academy, 200 Braddell Road, Singapore 579700

Date and Time
13 Jun 2017 to 13 Jun 2017
0900 to 1730

Contact Details
Contact Person: Customer Service Officer
Email: bca_academy@bca.gov.sg
Phone: 6248 9999
Fax: 6258 0558

The Good Industry Practices - Painting was developed to highlight good painting practices adopted by practitioners and to raise awareness of the different paint systems, the selection criteria and application processes. This course complements the guidebook, by providing practical suggestions on how good quality painting can be achieved on site. Common defects associated with paints, their causes and preventive measures are also covered in this course.

Building and Construction Authority

20 Jun 2017 to 20 Jun 2017
GOOD INDUSTRY PRACTICES - PAINTING

Venue
BCA Academy, 200 Braddell Road, Singapore 579700

Date and Time
20 Jun 2017 to 20 Jun 2017
0900 to 1730

Contact Details
Contact Person: Customer Service Officer
Email: bca_academy@bca.gov.sg
Phone: 6248 9999
Fax: 6258 0558

Connections form a very important part of any steel structure and integrity of the structure depends on them. Accurate details and specifications are required for fabrication to ensure trouble-free erection. The workshop will focus on connection design specifications as per the new SS EN 1993 (Eurocode 3): Part 1-8: Design of joints. Results of recent research on steel connections detailing and fabrication will also be introduced. The course will be taught with practical examples of connection designs which are reliable as well as economical.

Building and Construction Authority

21 Jun 2017 to 21 Jun 2017
DESIGN OF BOLTED AND WELDED JOINTS IN STEEL STRUCTURES USING EUROCODE 3
**Venue**  
BCA Academy, 200 Braddell Road, Singapore 579700

**Date and Time**  
21 Jun 2017 to 21 Jun 2017  
0900 to 1730

**Contact Details**  
Contact Person: Customer Service Officer  
Email: bca_academy@bca.gov.sg  
Phone: 6248 9999  
Fax: 6258 0558

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**Building and Construction Authority**  
**BIM FOR STRUCTURAL DESIGN AND DETAILING**  
27 Jun 2017 to 28 Jun 2017

The built environment sector has seen significant transformation from 2D drafting to 3D modelling in recent years. While the Civil and Structural (C&S) BIM e-submission is gaining traction, structural calculations are still generated in PDF to justify the sizes of load bearing elements. There is disconnect between analytical models used in design and physical models used to document design intent. There is indeed a need to push for the integration of physical and analytical models to maximize the benefits of BIM for structural engineers.

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**Building and Construction Authority**  
**LIFT AND ESCALATOR COURSE FOR ENGINEERS**  
29 Jun 2017 to 14 Jul 2017

This technical course covers design principles, installation of equipment, testing and commissioning, operations and maintenance including periodic examination and inspection of lifts and escalators. This is a 5-day course which comprises both classroom lectures and practical sessions. Participants will gain in-depth technical knowledge on lifts and escalators, with particular emphasis on the examination, inspection and testing of such equipment. This course aims to deepen the understanding of practising engineers in the examination, inspection and testing of lifts and escalators.

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**Building and Construction Authority**  
**SUPERVISING OF DEEP UNDERGROUND CONSTRUCTION WORKS**  
3 Jul 2017 to 19 Jul 2017

In recent years, there have been more deep underground construction works in Singapore. Other than MRT stations and tunnels, Singapore is also moving towards rock cavern construction. Remarkable cavern projects include the Underground Ammunition Facility, opened in 2008 by the Singapore Armed Force which free up 300 ha of usable land; and the Jurong Rock Caverns, opened in September 2014, which free up 60 ha of usable land. Upcoming is the underground Science City at Kent Ridge, a 30-storey below ground development to house research laboratories, offices, and a data centre. With this trend and development, there is a need for the industry to be trained to supervise deep underground construction works. This course aims to equip site personnel with the knowledge of earth retaining or stabilising structures and deep underground excavation so as to raise their competency to supervise deep construction works safely.

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**Building and Construction Authority**  
**CODE OF PRACTICE ON BUILDABILITY**  
7 Jul 2017 to 7 Jul 2017

The Buildability legislation, effective since 1 Jan 2001, promotes the use of buildable design and new construction technologies. Under legislation, consultants involved in building projects with Gross Floor Areas (GFA) of 2,000m2 and above must comply with the minimum Buildable Design Scores (B-Score) stipulated in the Code of Practice on Buildability (COP). Since 15 Jul 2011, builders also have to comply with a minimum Constructability Score (C-Score) which encourages the use of construction technologies, methods and processes to reduce the industries reliance on foreign workers. Over the years, the buildability framework has been strengthened to require consultants to deliver more buildable designs upstream, and builders to adopt
more labour-saving construction methods/technologies downstream. The course thus aims to keep participants up to date on the latest changes to the buildability framework and provides them with an understanding of the principles involved in computing the B-Score and C-Score.

### Building and Construction Authority

**DESIGN OF STEEL STRUCTURES USING EUROCODE 3**

This course is aimed at providing civil and structural engineers a good understanding of the general rules, main features and changes contained in Eurocode 3 and the accompanying Singapore National Annexes. Reference will be made to the accompanying codes EC0 (Basis of Structural Design) and EC1 (Actions on Structures). The course will cover the basis of structural component and frame design, structural loading, material properties, design at the ultimate limit state and the serviceability limit state. Practical examples with direct reference to the code clauses will be used to illustrate the application of the code requirements. Case studies are provided to illustrate clearly the theory of structural stability and design and how they can be applied to avoid structural collapse.

**GOOD INDUSTRY PRACTICES - ALUMINIUM WINDOW**

Windows are major components of buildings allowing for transmission of light, providing view for the occupants and giving a pleasing facade. However, poorly designed and installed windows pose a problem of water seepage. As aluminium frame windows are commonly used in the local industry, the Good Industry Practices Aluminium Window was developed to share with the industry good work practices adopted by practitioners and contractors who have consistently delivered high quality work. This Good Industry Practices highlights the benefits and practical tips on how quality fabrication and site installation can be achieved.

### Institution of Engineers, Singapore

**1 Day Short Course on Structural Engineering Failures**

Collapse is every engineer’s worst nightmare. Fortunately, not every engineer must go through the experience of a collapse first-hand as we can all learn from the mistakes of others. This course aims to impart knowledge by way of sharing examples of structural engineering failures so engineers can learn how not to repeat such mistakes.

### Institution of Engineers, Singapore

**Some Pointers for Better Contracting of Construction Projects QSS 2nd run 25 July 2017**

In Singapore, a very sizable amount of money and time have been unnecessarily spent and wasted by players of the construction related industries in the course of performing construction contracts. Research undertaken has confirmed that this sad state of affair is mainly caused by the failure of many of these players not having a better and fuller understanding and appreciation of the and dos-and-donts of business of contracting works and the fine and subtle points of construction contracts. The objective of running this course is to provide a platform for course-participants to establish such understanding, to openly discuss and to share
experiences in common contracting issues. The course, conducted by Mr Wong Yui Cheong, shall be conducted in workshop style, will undoubtedly be beneficial to architects, engineers, quantity surveyors, project managers and all other construction-related professionals.

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<th>Venue</th>
<th>Date and Time</th>
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<tbody>
<tr>
<td>IES Academy @ Jurong East</td>
<td>25 Jul 2017 to 25 Jul 2017</td>
<td>Contact Person: Lee Woon</td>
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<tr>
<td></td>
<td>0900 to 1800</td>
<td>Email: hon <a href="mailto:lw@iesnet.org.sg">lw@iesnet.org.sg</a></td>
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<tr>
<td></td>
<td>9.00am - 5.00pm</td>
<td>Phone: 64611250</td>
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<td>25 July 2017 (Tuesday)</td>
<td>Fax: 65636030</td>
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