Preparatory Fundamentals of Engineering Examinations (Mechanical Engineering)

An engineer applying for registration as a professional engineer, besides having to hold an approved degree or qualification listed in the Professional Engineers (Approved Qualifications) Notification or other proper and recognised academic qualifications in engineering and satisfying such conditions as the Professional Engineers Board, Singapore may determine and acquiring not less than 4 years' of relevant practical experience, is also required to sit and pass the Fundamentals of Engineering Examination and the Practice of Professional Engineering Examination. This preparatory course will cover all the topics stipulated for the Fundamentals of Engineering Examination for Mechanical Engineering and will be delivered by experienced professors and lecturers from tertiary educational institutions.

<table>
<thead>
<tr>
<th>Venue</th>
<th>Date and Time</th>
<th>Contact Details</th>
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</thead>
<tbody>
<tr>
<td>IES Academy@Jurong East / NTU@One-north</td>
<td>10 Jul 2017 to 26 Aug 2017 1830 to 1700 Please refer to programme schedule 10 July - 26 August 2017</td>
<td>Contact Person: Florence Lee Email: <a href="mailto:florence.lee@iesnet.org.sg">florence.lee@iesnet.org.sg</a> Phone: 64604248</td>
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</tbody>
</table>

Building and Construction Authority

COMPUTATIONAL DESIGN FOR ARCHITECTURE

Computational Design or Parametric Design enables architects and designers to explore more design options and variations leading to desired solution. This design approach also makes the creation of complex geometry possible and accurate. Exemplary projects adopting computational design approach will also be shared in this workshop. This 2-day workshop covers the practical applications, modelling workflow and integration of model with BIM software to enhance the design process. Participants will be equipped with practical computational design skills and technical knowledge through the hands-on sessions.

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<tr>
<th>Venue</th>
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<th>Contact Details</th>
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</thead>
<tbody>
<tr>
<td>BCA Academy, 200 Braddell Road, Singapore 579700</td>
<td>11 Jul 2017 to 12 Jul 2017 0900 to 1800</td>
<td>Contact Person: Customer Service Officer Email: <a href="mailto:bca_academy@bca.gov.sg">bca_academy@bca.gov.sg</a> Phone: 6248 9999 Fax: 6258 0558</td>
</tr>
</tbody>
</table>

Building and Construction Authority

BCA-SPM SEMINAR 2017 - MAXIMISING PRODUCTIVITY THROUGH PROJECT COLLABORATION

Project Managers play a critical role in delivering projects on time and within budget. With the increasing
complexity of projects, there is a need to manage projects more efficiently through collaboration with various stakeholders. Jointly organised by BCA and the Society of Project Managers (SPM), this seminar presents various roles project managers can play for effective and successful project collaboration through the integration of technology, people and process to improve productivity as a whole.

**Venue**

BCA Academy, 200 Braddell Road, Singapore 579700

**Date and Time**

13 Jul 2017 to 3 Jul 2017

0930 to 1645

**Contact Details**

Contact Person: Customer Service Officer

Email: bca_academy@bca.gov.sg

Phone: 6248 9999

Fax: 6258 0558

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**Institution of Engineers, Singapore**

**Preparatory Fundamentals of Engineering Examinations (Electrical Engineering)**

An engineer applying for registration as a professional engineer, besides having to hold an approved degree or qualification listed in the Professional Engineers (Approved Qualifications) Notification or other proper and recognized academic qualifications in engineering and satisfies such conditions as the Professional Engineers Board, Singapore may determine and acquiring not less than 4 years' of relevant practical experience, is also required to sit and pass the Fundamentals of Engineering Examination and the Practice of Professional Engineering Examination. This preparatory course will cover all the topics stipulated for the Fundamentals of Engineering Examination for Electrical Engineering and will be delivered by experienced professors and lecturers from tertiary educational institutions.

**Venue**

IES Academy@Jurong East / NTU@One-north

**Date and Time**

17 Jul 2017 to 18 Aug 2017

1830 to 2130

Please refer to programme schedule

17 July - 18 August 2017

**Contact Details**

Contact Person: Florence Lee

Email: florence.lee@iesnet.org.sg

Phone: 6460 4248

Fax:

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**Building and Construction Authority**

**BCA-GEOSS SEMINAR ON USE OF RAPID LOAD TEST FOR PILE FOUNDATION**

The Rapid Load Test (RLT) is gaining popularity in Asia as an alternative to the conventional Kentledge method for load testing of piles. RLT has advantages such as faster speed of testing, and requires smaller space and reaction loads to perform the test. This seminar covers the relevant codes and regulations, the principles, limitations, performance and reliability on RLT. The objective of this seminar is to provide industry with a better understanding on how the RLT can be used to improve site processes thereby increasing site productivity. The seminar also aims to educate industry on RTLs applications and its limitations.

**Venue**

BCA Academy, 200 Braddell Road, Singapore 579700

**Date and Time**

20 Jul 2017 to 20 Jul 2017

0900 to 1700

**Contact Details**

Contact Person: Customer Service Officer

Email: bca_academy@bca.gov.sg

Phone: 6248 9999

Fax: 6258 0558

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**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.

**Venue**

IES Academy, 80 Jurong East St 21, #04-10, Devan Nair Institute for Employment & Employability, Singapore 609607

**Date and Time**

20 Jul 2017 to 20 Jul 2017

0900 to 1715

9.00am - 5.15pm

20 July 2017, Thursday

**Contact Details**

Contact Person: Lee Woon

Email: hon.lw@iesnet.org.sg

Phone: 6461 1250

Fax: 6563 6030

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**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 affairs 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.
construction 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.

**Venue**  
IES Academy @ Jurong East

**Date and Time**  
25 Jul 2017 to 25 Jul 2017  
0900 to 1800  
9.00am - 5.00pm  
25 July 2017 (Tuesday)

**Contact Details**  
Contact Person: Lee Woon  
Email: hon.lw@iesnet.org.sg  
Phone: 64611250  
Fax: 65636030

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**Building and Construction Authority**  
15 Aug 2017 to 30 Apr 2018

**STANFORD CIFE-BCA ADVANCED MANAGEMENT PROGRAM VIRTUAL DESIGN & CONSTRUCTION**

Virtual Design and Construction (VDC) is an integrated approach that combines Building Information Modelling (BIM) and advanced management methods to improve productivity. Specifically, it has been proven to increase productivity, improve reliability and predictability before project execution, hence enhancing project efficiency. The VDC certificate program was first introduced in 2008 by the Stanford University's Center for Integrated Facility Engineering (CIFE). The intended outcome of the program is to enable industry professionals to effectively apply VDC to obtain higher return for their businesses and capital projects. To date, hundreds of participants in North America, Latin America, Europe and Asia including Singapore have benefited from the program, many of whom have successfully implemented VDC in their projects.

**Venue**  
BCA Academy, 200 Braddell Road, Singapore 579700 & Stanford University, USA

**Date and Time**  
15 Aug 2017 to 30 Apr 2018  
0900 to 1800  
REGISTRATION CLOSE ON 25 Jul 2017

**Contact Details**  
Contact Person: For Administration and Logistic matters: Ms Chamine Jong / For Program Details: Mr Ken Mong  
Email: chamine_jong@bca.gov.sg / ken_mong@bca.gov.sg  
Phone: 6248 9912 / 6248 9981  
Fax: 6258 0558

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