Institution of Engineers, Singapore  
4 Sep 2017 to 30 Oct 2017

**Fundamentals of Energy Usage Pattern Monitoring and Analysis in Productivity & EE Improvement 3rd Run**

Productivity is about having access to critical information anywhere, any time, for effective decision making. With IT connectivity and advanced statistical techniques on energy usage patterns, operations data of factories, facilities, or equipment can now be used to uncover many productivity issues not identifiable by conventional means, and almost instantly. This course will equip participants with new skills to gather, analyse, visualise and act on the above operation data timely. Besides, as many equipment and processes are typically over-spec in terms of energy usage, the same course will also enable participants to identify energy hot spots in their operations or facilities.

**Venue**  
Please refer to course flyer

**Date and Time**  
4 Sep 2017 to 30 Oct 2017  
1830 to 2130

**Contact Details**  
Contact Person: Lee Hock Wee  
Email: hwlee@SIMTech.a-star.edu.sg  
Phone: 93802777

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Institution of Engineers, Singapore  
5 Sep 2017 to 5 Sep 2017

**Case Study - Project Sky Meridien, Kuala Lumpur(My) Characterization And Imaging Of Kuala Lumpur Limestone Formation, Using 3d Cross Borehole Resistivity Imaging Technique**

Applied Geophysics is a modern science routinely applied to ground, structure and foundation exploration and control. A range of survey tools are available for mapping or profiling subsurface targets, and ground or structural properties. Among these techniques, electrical resistivity tomography uses contrasts of electrical conductance properties between materials to image underground structures. The Sky Meridien project will be founded on Kuala Lumpur limestone formation, which is known to present severe solutions features that need to be investigated to design an adapted foundation system. We will see how 3D cross hole electrical tomography helped to image the KL Limestone formation in depth, between boreholes, and finally how it was used by geotechnical engineers to take into account and to mitigate the cavity risk for the project.

**Venue**  
IES Auditorium, 70 Bukit Tinggi Road

**Date and Time**  
5 Sep 2017 to 5 Sep 2017  
1815 to 2115

**Contact Details**  
Contact Person: Ms Shelly Ng  
Email: shelly.ng@iesnet.org.sg  
Phone: 64611222  
Fax:
On 1st July 2013, regulatory requirements and implementation timeline of the prescribed Green Mark Standard for Existing Buildings and periodic energy audit of building cooling system were gazetted and will take effect from 2nd Jan 2014. This course will provide participants with salient information and knowledge on the Building Control Act 2012, Building Control (Environmental Sustainability Measures for Existing Buildings) Regulations 2013, Code on Periodic Energy Audit of Building Cooling System and the Green Mark e-filing system.

Venue
BCA Academy, 200 Braddell Road, Singapore 579700

Date and Time
7 Sep 2017 to 7 Sep 2017
0900 to1300

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

Building and Construction Authority
14 Sep 2017 to 14 Sep 2017

GREEN MARK FOR PARKS

To inspire, promote and provide public recognition for sustainable landscapes, the Building and Construction Authority and the National Parks Board jointly developed the Green Mark for Parks Certification scheme. This scheme provides quantitative standards and comprehensive assessment system to evaluate the sustainability of parks. This course provides insight into the fundamentals and guiding principles of sustainable landscape design and construction, which underpin the Green Mark for Parks scheme. It aims to enable the participants to gain in-depth understanding of the requirements of Green Mark for Parks Certification scheme, including the various key indicators, measures and assessment criteria.

Venue
BCA Academy, 200 Braddell Road, Singapore 579700

Date and Time
14 Sep 2017 to 14 Sep 2017
0900 to1730
Fee (incl of GST): S$400.00
(Lunches and refreshments will be provided)

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

Institution of Engineers, Singapore
19 Sep 2017 to 19 Sep 2017

Prestressed Concrete In Buildings

In design practice today it is usual to carry out the detailed design of members of conventional reinforced concrete, structural steelwork or prestressed concrete using computer software. Although much time is saved, this may have the unfortunate consequence that the much of the feel for the design is lost. This is particularly true in prestressed concrete, especially when indeterminate members are involved. Indeed the topic may be less well understood as many undergraduate courses neglect the teaching of the subject almost entirely. Thus the design of prestressed concrete members, in buildings particularly, is often left to specialist contractors. The focus of the course is to provide a conceptual understanding of the topic. The approach taken is design-based rather than a more rigorously analytical one. Hand-based methods are emphasized where relevant.

Venue
IES Academy@ Jurong East 80 Jurong East St 21 #04-10 Devan Nair Institute Singapore 609607

Date and Time
19 Sep 2017 to 19 Sep 2017
9.00am - 5.15pm
19 Sep 2017, Tuesday

Contact Details
Contact Person: Ms Lee Woon
Email: hon lw@iesnet.org.sg
Phone: 64611250 / 64639211
Fax:

Building and Construction Authority
21 Sep 2017 to 22 Sep 2017

BEHAVIOURAL SAFETY FOR THE CONSTRUCTION INDUSTRY

Safety is influenced by a number of factors such as workplace environment, management's commitment to safety, attitude or behaviour of working personnel towards safety, etc. Workers' positive behaviour towards safety is considered one of the key factors in preventing accidents at workplaces. A successful introduction of behavioural safety process, focusing on identifying and reducing unsafe behaviour and reinforcing safe behaviour is one means of improving safety at workplaces. Behavioural Safety is a methodology used to improve safety culture through change of behaviour of working personnel in an organisation. This methodology has been applied successfully in other industries like petrochemical and manufacturing and is gaining popularity in the construction industry.

Venue
BCA Academy, 200 Braddell Road, Singapore 579700

Date and Time
21 Sep 2017 to 22 Sep 2017
0900 to1730

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

Building and Construction Authority
21 Sep 2017 to 6 Apr 2018
The revamped Certification Course for GMP is specially designed for professionals working on new development and wish to equip themselves with in-depth knowledge on the BCA Green Mark Scheme, green building technologies and best practices. It emphasises on the integration of passive and active strategies to encourage industry practitioners to adopt creative approach in their design, and develop green solutions to enhance building performance.

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<tr>
<td>BCA Academy, 200 Braddell Rd, Singapore 579700</td>
<td>21 Sep 2017 to 6 Apr 2018 0900 to 1730 Starting from 21 Sep 2017 Application Closing Date: 30 Aug 2017</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>
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**Venue**

**Date and Time**

**Contact Details**

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

Way-finding and signage design should be considered holistically as part of the building and facilities planning process. This is to ensure that people can have safe and easy access to amenities and facilities provided in a building. Through this course, the participants will have a good appreciation of how way-finding plays a vital role in Universal Design (UD), especially in supporting the ageing population; learn of the principles, design considerations and communication strategies of way-finding and signage; and be familiar with the design requirements set out in SS 599:2014 Guide for Wayfinding Signage in Public Areas. The Instructor will also share his experiences through the use of positive and negative case-studies.

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<tr>
<td>BCA Academy, 200 Braddell Rd, Singapore 579700</td>
<td>28 Sep 2017 to 28 Sep 2017 0900 to 1700 Fee (incl of GST): S$480.00</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>
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**Venue**

**Date and Time**

**Contact Details**

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

BCA strongly encourages the use of new and innovative technology for improved productivity. To accelerate adoption of such technology, there is an urgent need to get the industry to be familiarised with some of the productive construction methodologies adopted overseas. One such example is the Innovative Prestressed Support (IPS) system. IPS system has been successfully developed by adopting prestressing technology, which expands the length of wale more than 20 times. It significantly improves main structure and excavation efficiency that reduces the cost and construction time. IPS system has also received many national awards such as Korea 10 Best New Technology. This workshop is to educate and share with the industry on the use of this new technology method so that its applications can be better understood.

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<td>29 Sep 2017 to 29 Sep 2017 0900 to 1730</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>
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**Venue**

**Date and Time**

**Contact Details**

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Email: bca_academy@bca.gov.sg
Phone: 6248 9999
Fax: 6258 0558

MRT tender preparation and submission need to be carefully and effectively managed to avoid exposing organisation to severe financial penalties and turning a potentially profitable project into a loss-maker. In order to be profitable, a sound tender is vital and risk factors must be eliminated where possible. Thus, a specially tailored 1 day course is launched to educate and equip construction industry stakeholders a good real insight into a contractors experience in tendering for MRT projects and other infrastructure projects.

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<td>4 Oct 2017 to 4 Oct 2017 0900 to 1700</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>
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**Venue**

**Date and Time**

**Contact Details**

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

Association of Consulting Engineers, Singapore

**Date and Time**

**Contact Details**

Contact Person: Customer Service Officer
Email: bca_academy@bca.gov.sg
Phone: 6248 9999
Fax: 6258 0558
ACES Design for Safety Professionals (DfSP) Course 2017

Learners of this course will gain the knowledge and skills for fulfilling the roles of the construction Design for Safety Professional (DfS Professional) in accordance with the WSH (DfS) Regulations effective from 1 August 2016. Upon completion of this unit, Learners will have the skills and knowledge to function as a DfS Professional which purposes to: (1) Assist the Developer to identify and address means to eliminate or mitigate the risks inherent in the design of a construction project through conducting DfS review meetings and maintaining a DfS register so as to reduce the safety and health risks during the construction, maintenance / repair phase, and demolition of the building and structure; and (2) Coordinate the flow of the construction project safety and health risks information among the stakeholders from the design stage, to construction stage until the handover to the Developer for occupation and maintenance. The skill and knowledge learnt during this course are likely to be applied in the following activities: (1) Facilitate DfS Review Meeting that involves the relevant stakeholders to identify and address safety and health risks associated with construction project. (2) Maintain records of safety and health issues arising from the DfS Review Meeting and actions taken. (3) Coordinate the flow of relevant safety and health information among all stakeholders of a construction project at appropriate time.

Venue | Date and Time | Contact Details
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18 Sin Ming Lane #06-01 Midview City Singapore 573960 | 5 Oct 2017 to 6 Oct 2017 0900 to 1700 9.00 am to 5.00 pm | Contact Person: Lilian Lean Email: registration@aces.org.sg Phone: 66595023 Fax: 66592093

Institution of Engineers, Singapore 7 Oct 2017 to 7 Oct 2017

Electrical, Electronics & Computer Engineering Seminar 2017 - "Laser Technology and Applications on Precision Engineering, Inspection, Monitoring, Maintenance, Cleaning and Smart Transport"

Come, discover and sharpen ones edge in optical and laser engineering in the face of global competition. Optical and laser engineering played a pivotal part in our everyday lives in devices ranging from microscopes, ICT gadgets and medical devices, home appliances, optical mouse used for PCs and 3D printing & mapping. Optics and lasers are also used for many commercial applications such as in high-tech precision manufacturing, measurement systems, smart built environment and smart transportation solutions......

Venue | Date and Time | Contact Details
--- | --- | ---
70 Bukit Tinggi Road, The Institution of Engineers, Singapore, Singapore 289758 | 7 Oct 2017 to 7 Oct 2017 1400 to 1800 2pm to 6pm | Contact Person: Colin Fong Email: colin.fong@iesnet.org.sg Phone: 64611236 Fax:


BUILD SMART CONFERENCE 2017

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 2-day Build Smart Conference has been a key event of the annual Singapore Construction Productivity Week (SCPW), which is an industry-wide campaign to raise awareness in enhancing construction productivity.

Venue | Date and Time | Contact Details
--- | --- | ---
Max Atria @ Singapore Expo, Level 2 | 24 Oct 2017 to 25 Oct 2017 0900 to 1700 | Contact Person: Customer Service Officer Email: bca_academy@bca.gov.sg Phone: 6248 9999 Fax: 6258 0558

Institution of Engineers, Singapore 26 Oct 2017 to 27 Oct 2017

Intention-Based Communication Workshop for Engineering Leaders

Jointly organized by IES Academy and International Workforce Development Enterprise Pte Ltd, a strategic partner of Pinnacle Performance Company - winner of World Human Resources Development Congress Award Innovation in Learning: 2011, 2012, 2013, 2015, 2016, 2017- a global communication skills training firm rooted in the time-tested techniques that professional actors and global leaders have used for centuries. This programme provides individuals, from introverts to polished speakers, with the tools and techniques needed to become more influential communicators. By applying Pinnacles innovative, three-step process (Intention-Based Communication), it shows how focusing on your message's objective and delivery will allow you to achieve specific audience reactions, captivate your audience and communicate like a true leader.
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<tr>
<td>IES Academy@ Jurong East 80 Jurong East St 21 #04-10 Devan Nair Institute Singapore 609607</td>
<td>26 Oct 2017 to 27 Oct 2017 0900 to1700 9.00am - 5.00pm 26 &amp; 27 Oct 2017 (2 Days)</td>
<td>Contact Person: Lee Woon (Ms) Email: <a href="mailto:hon.lw@iesnet.org.sg">hon.lw@iesnet.org.sg</a> Phone: 64611250 /64639211 Fax:</td>
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