SPRING SINGAPORE CALLS FOR PUBLIC COMMENTS ON SINGAPORE STANDARDS 18 NOVEMBER 2016

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### LIFT AND ESCALATOR COURSE FOR ENGINEERS

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.

**Venue**

- **Module A** - BCA Academy
- **Module B** - ITE College East & Assessment - BCA Academy

**Date and Time**

- 24 Nov 2016 to 6 Jan 2017
- 0900 to 1230
- Module A - 9.00am to 5.30pm
  (Except on 29 Nov 2016 from 9.00am to 12.30pm)
  Module B - 5 Jan 2017: 8.00am to 5.00pm
  6 Jan 2017: 8.30am to 12.30pm
- Assessment: 9.00am to 10.00am
- Fee (incl of GST): S$3,450.00

**Contact Details**

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

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### Half Day Seminar on Construction Fixing Systems by Seismic Expert from CSTB (France)

The half day seminar will touch on topics related to construction fixings certifications essential to Singapore. Covered under the programme will be knowledge on Seismic Resistance in international standards and their approval processes, Post-Installed Rebar Epoxy Resin Bonded Anchors and their testing, followed by Corrosion Of Fasteners and how they are utilised and applied and Brief on Anchoring Technology and into EASYFIX Pro Design Software which enables the user to have a simplified and fast anchor selection process for specialised constructions as well as a Q&A segment for the attendees to interact with the experts.

**Venue**

Devan Nair Institute, 80 Jurong East St 21 S(609607)

**Date and Time**

- 28 Nov 2016 to 28 Nov 2016
- 0900 to 1300
- 9.00am to 1.00pm
- 28 November 2016 (Monday)

**Contact Details**

- Contact Person: Florence Lee
- Email: florence.lee@iesnet.org.sg
- Phone: 6460 4248
- Fax: 65636030

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### SITE MANAGEMENT OF PRECAST CONCRETE CONSTRUCTION

**Venue**

Building and Construction Authority

**Date and Time**

- 28 Nov 2016 to 5 Dec 2016
Precast concrete technology had been identified as one of the key areas of focus to improve productivity in the construction industry. It has been observed that there is more room for a greater adoption of this technology in Singapore. Good site management practices and planning of precast concrete construction activities such as on-site/off-site casting of precast members, transportation of the members to site, erection and construction considerations would contribute to more efficient, less labour intensive and faster construction. This would eventually lead to better construction productivity. This workshop provides construction managers with practical knowledge in the planning, execution and control of precast concrete construction. At the end of the workshop, participants will be able to plan and manage precast concrete construction site activities effectively.

### Building and Construction Authority

**REQUIREMENTS FOR ENVIRONMENTAL SUSTAINABILITY IN BUILDINGS AND THE GREEN MARK SCHEME**

This course aims to: provide crucial information and knowledge on the legislative requirements on Environmental Sustainability for Buildings, provide an understanding on the interpretation of the Green Mark Criteria and Scores for new building developments Residential & Non-residential Buildings and provide a better understanding on the submission procedures and walk through of the Green Mark (GM) e-filing system.

**Venue**

BCA Academy, 200 Braddell Road, Singapore 579700

**Date and Time**

28 Nov 2016 to 5 Dec 2016
1830 to 2130
28 Nov, 1 & 5 Dec 2016 (Evenings course)

**Fee (Incl. GST):** $480.00 (without Funding) / $615.98 (with WTU funding support for eligible local participants)

**Contact Details**

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


### Institution of Engineers, Singapore

**An Overall View of Procurement of Construction Project by Awarding a Design-and-build Contract and its Common Pitfalls**

For some years, major players of the construction industry and government agencies in Singapore having interest in construction projects had been promoting and even taking a lead in procuring construction projects by awarding design-and-build contracts in lieu of by first hiring professional consultants to prepare project designs and then awarding a construction-only contracts to contractors. The speaker of this short course believes that the aforesaid organizations did so possibly because; they had suffered enough in the past, especially financially, the costly consequences of their professional consultants unduly delaying the supply of necessary information to contractors to enable the latter to carry out construction works as pre-scheduled and without un-called-for interruption and delay. Hence, they turned to hiring a single entity to design as well as construct their projects or awarding design-and-build contracts for project delivery. It is unfortunate that many of them did so without fully realizing and appreciating the pros and cons and the primary objectives intended to be achieved for doing so. They simply jump on the bandwagon or just follow the crowd. The worst is that some even believe that awarding design-and-contract is a be-all and end-all vehicle of delivering construction projects. They also prefer to shut their eyes to many problems that could often arise when doing so. It has been proven such intended ignorance had cost the construction industry dearly. It is therefore felt that in order to enable contracting parties to enjoy the true benefits of project delivery by awarding a design-and-build contract as well as to forewarn the common pitfalls thereof, a better understanding thereof should be established, and the pros and cons of doing so should be thoroughly recognized and appreciated. This course is conducted with the view to achieve the aforesaid objective.

**Venue**

IES Academy@Jurong East, Devan Nair Institute For Employment and Employability, 80 Jurong East Street 21, #04-10 Singapore 609607

**Date and Time**

6 Dec 2016 to 6 Dec 2016
0900 to 1730
0900 to 1700
9am to 5pm
6 December 2016

**Fee (Incl. GST):** $280.00

**Contact Details**

Contact Person: Christine Lau
Email: christine.lau@iesnet.org.sg
Phone: 64611248
Fax: 6463 9468

**Building and Construction Authority**

**2 Dec 2016 to 2 Dec 2016**

**Contact Details**

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

**8 Dec 2016 to 9 Dec 2016**

**Contact Details**

Contact Person: Christine Lau
Email: christine.lau@iesnet.org.sg
Phone: 64611248
Fax: 6463 9468
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
8 Dec 2016 to 9 Dec 2016
0900 to 1730

Course Fee: S$450.00 per participants
(Fee includes course materials, lunches and refreshments)

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

BUILDING AND CONSTRUCTION AUTHORITY
8 Dec 2016 to 8 Dec 2016

PREPARING AND DEFENDING LOSS AND EXPENSE CLAIMS

Against a backdrop of economic uncertainties, many on-going projects run the risk of going into disputes, claims, delay and disruption. Loss and Expense claim is one of the cost claims that are likely to be encountered by contracting parties of a construction project.

Venue
BCA Academy, 200 Braddell Road, Singapore 579700

Date and Time
8 Dec 2016 to 8 Dec 2016
0900 to 1700

Fee (incl of GST): S$400.00

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

BUILDING AND CONSTRUCTION AUTHORITY
9 Dec 2016 to 9 Dec 2016

WORKSHOP FOR COMPANY CEO/TOP MANAGEMENT (BIZSAFE LEVEL-1)

bizSAFE is a programme which is administered by the Workplace Safety and Health Council (WSHC) tailored to assist the companies to build up their workplace safety and health capabilities. The programme provides a 5-level approach to help companies build up their capabilities progressively. Companies participating in this programme will gain recognition and benefit from having a comprehensive WSH system in place. To start the bizSAFE journey, an enterprise's top management has to sign up for this bizSAFE Level 1.

Venue
BCA Academy, 200 Braddell Road, Singapore 579700

Date and Time
9 Dec 2016 to 9 Dec 2016
1345 to 1715

Fee (incl. of GST): S$150.00

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

INSTITUTION OF ENGINEERS, SINGAPORE
13 Dec 2016 to 13 Dec 2016

Formwork Design and Safety with Code of Practice SS580:2012

Formwork structures have always been a highly hazardous item in the construction industry. Recent failures of formworks in Singapore have raised considerable alarm in the industry, the government and the public. This one-day course on formwork design and safety to revised standards and EuroCode aims to address this critical concern, not only of the authorities but also of builders, contractors, and developers, by accomplishing the following: Provide background to this critical topic in workplace safety Review a number of failures of formworks in Singapore and abroad to convey understanding of causes Discuss techniques to identify and evaluate the hazards, and manage the risks Provide useful information on revised standards in this area Describe significant parts of the new Code of Practice for Formwork SS580;2012 to facilitate its use by designers and contractors The focus will be on basic concepts and procedures currently in use for formwork in the construction industry. In addition, the critical aspects of formwork design with the recently increased factor of safety will be covered. Objectives will include identification of principal contributory factors to formwork failures and their underlying root causes, and discussing how the new Code can eliminate or alleviate the problems.

Venue
IES Academy@Jurong East, Devan Nair Institute For Employment and Employability, Employment and Employability,

Date and Time
13 Dec 2016 to 13 Dec 2016
0900 to 1630
9am - 4.30pm

Contact Details
Contact Person: Christine Lau
Email: christine.lau@iesnet.org.sg
Phone: 6461 1248
Design for Safety Appreciation Course

The Design Phase is the earliest opportunity to incorporate Safety into a construction project. Just as productivity can be enhanced with early planning, so is the greatest impact for safety. Designing for safety starts at the conceptual and planning phases of a project with collective and conscious decisions by stakeholders about the design, methods of construction and later demolition, and also the materials used which enhance the safety of the building or structure. In 2008, WSH Council launched the Guidelines on Design for Safety in Buildings and Structures, followed by the DfS Coordinator Course in 2010. In addition to building DfS capabilities of stakeholders, WSH Council has developed the DfS Recognition Scheme which was launched in 2011. Consisting of the DfS Mark and DfS Award, the Scheme aims to recognise competent and outstanding projects that have addressed risk through design and hence ensure safe & timely completion of the project.

Venue
IES Academy@Jurong East, Devan Nair Institute For Employment and Employability, 80 Jurong East Street 21, #04-10 Singapore 609607 (Near Jurong East MRT)
Date and Time
16 Dec 2016 to 16 Dec 2016
0900 to 1800
9am - 6pm
Contact Details
Contact Person: Christine Lau
Email: christine.lau@iesnet.org.sg
Phone: 6461 1248
Fax: 6563 6030

Good Reinforcement Practices 1 & 2 - 9th Run

The course covers the basic principles to handling and treatment of reinforcement and starter bars on site to prevent future corrosion problems. It also shares the salient issues when considering alternative protection of reinforcement under extremely harsh environment. It is useful for the Resident Engineer (RE) and Resident Technical Officer (RTO) to have knowledge of proper handling and treatment of reinforcement on site and understand the possible issues when considering other ways to protect reinforcement against future corrosion.

Venue
IES Academy@Jurong East
Date and Time
5 Jan 2017 to 5 Jan 2017
1500 to 2200
3.00pm to 10.00pm
5 January 2017, Thursday
Contact Details
Contact Person: Lillian Seow
Email: lillian.seow@iesnet.org.sg
Phone: 6460 4241
Fax: 6563 6030

Guide to Structural Steel, Stainless Steel & Aluminum for Construction Projects - 5th Run

Introduction - Structural steel is still in demand for their high quality and productivity while stainless steel and aluminum has appealing quality leading to an increasing use in the Construction Industry. Construction stakeholders (Owners, Architects, Engineers, Resident Technical Officers) are handling more demanding and complex projects in current development projects involving working with stainless steel & aluminum elements and protection of structural steel. This programme aims to provide information on the specification, manufacturing and maintenance of stainless steel & aluminum to participants to allow them to better execute their projects. It also shares concepts to corrosion protection for steel structures.

Venue
IES Academy@Jurong East
Date and Time
10 Jan 2017 to 10 Jan 2017
1500 to 2200
3.00pm to 10.00pm
10 January 2017, Tuesday
Contact Details
Contact Person: Lillian Seow
Email: lillian.seow@iesnet.org.sg
Phone: 6460 4241
Fax: 6563 6030

One Day course on Infrastructure Planning for Township/Large-scale Housing Developments

Importance of infrastructural provisions in support of township/ large-scale housing developmentsIn any large-scale public or private housing developments, physical infrastructure such as earthworks, roads, drains, sewers and utilities, are critically needed not only to enable the physical development of but also support modern community living in the new housing estates. In fact, no development can function properly and effectively without the timely provision of adequate infrastructural facilities and public utilities.Comprehensive and well-coordinated Infrastructure planning is a prerequisite in developing a new town or housing estate and is carried out in tandem with the master town planning and well in advance of any physical developments. It serves to establish the full infrastructure requirements and guide their timely implementation thereby ensuring quality,
efficiency and cost-effectiveness in the infrastructure provisions for the proposed development.

Venue
IES Academy@Jurong East,
Devan Nair Institute For
Employment and Employability,
80 Jurong East Street 21, #04-
10 Singapore 609607 (Near
Jurong East MRT)

Date and Time
13 Jan 2017 to 13 Jan 2017
0900 to1700
9am-5pm
13 January 2017

Contact Details
Contact Person: Christine Lau
Email: christine.lau@iesnet.org.sg
Phone: 6461 1248
Fax: 6563 6030

Building and Construction Authority

PRACTICAL APPLICATIONS OF WSH LEGISLATIONS IN CONSTRUCTION PROJECTS
THROUGH CASE STUDIES

Statutory legislations such as Workplace Safety and Health Act (WSHA) and its subsidiary legislations are prepared by legal professionals. The structure of the legislation as well as various terms used in the legislation are not usually easily and fully understood in terms of their intent, meaning and implications by industry practitioners who either do not have legal background or only possess minimum legal knowledge. It is important that construction/project managers, supervisors and WSH personnel are educated with the better understanding of legal terms, implications of the WSH legislations, responsibilities of stakeholders, liabilities and penalties for non-compliances with respect to managing construction projects.

Venue
BCA Academy, 200 Braddell
Road, Singapore 579700

Date and Time
19 Jan 2017 to 20 Jan 2017
0900 to1730
Fee (incl of GST): S$600.00

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

Association of Consulting Engineers, Singapore

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 (DfSP) 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 DfSP Professional which purports 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
18 Sin Ming Lane #06-01
Midview City Singapore 573960

Date and Time
16 Feb 2017 to 17 Feb 2017
0900 to1700
9.00 am to 5.00 pm
P7: 16 & 17 Feb 2017 (Thu / Fri)

Contact Details
Contact Person: Lilian Lean
Email: registration@aces.org.sg
Phone: 63242682
Fax:

Institution of Engineers, Singapore

Design for Safety for Professionals (DfSP) (Two day DfSP Certifiable Course)

This Competency Requirement document specifies the performance criteria, underpinning knowledge, range and context for the design, training and assessment of the Design for Safety Professionals (DfSP) Course. Learners of this course will gain the knowledge and skills for fulfilling the roles of the construction in accordance with the Guideline on Design for Safety and Health in Buildings and Structures.

Venue
IES Academy@Jurong East,
Devan Nair Institute For
Employment and Employability,
80 Jurong East Street 21, #04-
10 Singapore 609607

Date and Time
23 Feb 2017 to 24 Feb 2017
0900 to1700
9am - 5pm
23 & 24 February 2017

Contact Details
Contact Person: Christine Lau
Email: christine.lau@iesnet.org.sg
Phone: 6463 9211
Fax: 6563 6030

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