You are cordially invited to attend the first Masterclass jointly organised by BCAA, NTUC and e2i on 24th August 2017. Admission is free. As seats are limited, do register early to avoid disappointment. Please click on the link to register.

Venue
BCA Academy, 200 Braddell Road, Singapore 579700

Date and Time
24 Aug 2017 to 24 Aug 2017
0900 to 1730

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

Institution of Engineers, Singapore

The Effects of BLAST on Reinforced Concrete Buildings

Terrorism has become a serious threat in the world. This threat cannot be ignored. The main terrorist weapon is a bomb made from high explosives, with civilian buildings being a common target. Terrorists usually want to create chaos and maximize casualties. A growing emphasis is therefore being placed on anti-terrorism protection of civilian buildings. In Singapore, it has been recognized that iconic structures as well as structures where mass congregation is likely, may be soft targets for attack. Thus blast provisions are now an integral part of the design of major civilian facilities, e.g. hospitals, large hotels, shopping centres, stadia etc. In addition, buildings housing critical infrastructure, e.g. electrical sub-stations, are other likely targets. This course discusses the effects of blast on civilian, rather than military, structures. The latest forms of structural and glazing protection are discussed.

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

Date and Time
24 Aug 2017 to 24 Aug 2017
0900 to 1715
9.00am - 5.15pm
24 August 2017, Thursday

Contact Details
Contact Person: Lee Woon (Ms)
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Fax:

Building and Construction Authority

ADVANCED CONSTRUCTION TECHNOLOGY - FORM PREFAB STEEL REINFORCED CONCRETE (F-PSRC) COLUMN SYSTEM

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 productive construction methodologies adopted overseas. One such example is the Form Prefab Steel Reinforced Concrete (F-PSRC) column system, developed by SEN Engineering Group in Korea. The F-PSRC
column system has been successfully applied in over 50 projects in Korea. Hence, it is essential for the industry to learn more on how F-PSRC column system practices and design is able to shorten our construction period.

**Building and Construction Authority**  
14 Sep 2017 to 14 Sep 2017

**CP88 ON TEMPORARY ELECTRICAL INSTALLATIONS**

Temporary low voltage electrical installations are widely used in construction and building sites; trade-fairs, mini-fairs and exhibition sites as well as for festive lightings. Designers and engineers need to have deep knowledge on the good practice and guidelines for the inspection, testing and maintenance of such installations, in compliance with the code of practice.

**Building and Construction Authority**  
14 Sep 2017 to 4 Oct 2017

**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.

**Institution of Engineers, Singapore**  
15 Sep 2017 to 15 Sep 2017

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

Importance of infrastructural provisions in support of township/ large-scale housing developments

In 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.

**Building and Construction Authority**  
19 Sep 2017 to 20 Sep 2017

**CERTIFICATE IN CONCRETE TECHNOLOGY**

With effect from 1 October 2010, for Ready-Mixed Concrete (RMC) Certification, Building and Construction Authority (BCA) will require batching plants to be certified by certification bodies accredited under Singapore Accreditation Councils Accreditation Scheme. This RMC certification will be based on the new Singapore Standards SS EN 206-1 (Concrete Specification, performance, production and conformity) and SS 544
Concrete Complementary Singapore Standard to SS EN 206-1). This certificate course in concrete technology is jointly organised by the BCA Academy, the Singapore Concrete Institute (SCI) and the American Concrete Institute-Singapore Chapter (ACI-SC) to familiarize technical personnel in the concrete industry with the certification scheme.

**Building and Construction Authority**

**CERTIFICATION COURSE FOR GREEN MARK PROFESSIONAL (GMP)**

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.

**Venue**

BCA Academy, 200 Braddell Road, Singapore 579700

**Date and Time**

19 Sep 2017 to 20 Sep 2017
0900 to 1800

**Contact Details**

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

**Application Closing Date:** 30 Aug 2017

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**Institution of Engineers, Singapore**

**Design for Safety Appreciation Course**

The WSH (Design for Safety) Regulations will be effective from 1 Aug 2016. It requires stakeholders such as Developers, Designers and contractors to work together to address the risk at source and plan for the construction work, so as to identify and eliminate, as far as reasonably practicable, foreseeable risk(s) to the safety or health of any person (i) carrying out or liable to be affected by construction work for the structure, (ii) for whom the structure is a workplace, including an individual who maintains or cleans the structure, or anything in or on the structure, or (iii) who carries out or is liable to be affected by the demolition of the structure. 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 recognize 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

**Date and Time**

29 Sep 2017 to 29 Sep 2017
0900 to 1700
9am - 5pm
29 September 2017

**Contact Details**

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