SPRING SINGAPORE CALLS FOR PUBLIC COMMENTS 7 APRIL 2017

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Supplementary Cementitious Materials (SCM) for Reinforced Concrete 6th Run

With the rapid global infrastructure development, there is a new focus on sustainable usage of concrete. Using supplementary cementitious materials (SCM) like silica fume, pulverized fuel ash or ground granulated blast furnace slag to replace or compliment cement is one practical area to achieve sustainability which is gaining importance. Stakeholders in construction industry (Owners, Architects, Engineers, Resident Technical Officers, Site Supervisors etc) are handling more demanding and complex projects in current development projects and may involve working with SCM. This programme aims to provide information on the nature of these SCM and the resulting properties of concrete batched using such materials to participants to allow them to better execute
Preliminary Design of High-Rise Buildings & Strengthening of Reinforced Concrete Structures - 9th Run (STU/PDU to confirm/ Supported by UTAP Training Grant)

Course 1: Preliminary Design of High-Rise Buildings

Despite their challenging design, construction and great expense, high-rise buildings continue to be built in increasing numbers throughout the world. High-rise buildings quickly become impractically expensive if structural needs are not considered early. This seminar discusses what should be considered at the preliminary design stage of a high-rise. The information can also be used in the checking of designs produced by computer.

Course 2: Strengthening of Reinforced Concrete Structures

The strengthening of existing reinforced concrete (RC) structures is a common requirement. Strengthening may be required because of a change of use, resulting in an increased loading, or perhaps as the result of design or construction error. This seminar discusses some of the most popular means of strengthening RC beams, slabs and columns, namely by the addition of either: 1. new concrete and/or steel reinforcement (“jacketing and “overlaying”) 2. fibre reinforced plastic (FRP) plates or sheets 3. structural steel sections 4. external prestressing steel

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 enterprises top management has to sign up for this bizSAFE Level 1.

ESSENTIAL KNOWLEDGE IN LOCAL REGULATIONS AND CONSTRUCTION PRACTICES

The stakeholders of construction projects often incur liabilities due to their failure to recognise and comply with certain implied obligations which may arise during the design and construction processes. It is, therefore, imperative for the project parties to understand the implied obligations and liabilities prior to the commencement of construction projects. OBJECTIVE: Up-to-date knowledge of local regulations and construction practices are key to the site supervisors especially the Resident Engineers (RE) and Resident Technical Officers (RTO) to deliver their duties diligently and effectively. This course will provide site supervisors essential knowledge in the areas of regulatory requirements, safety regulations, environmental management at construction sites, code requirements on construction practices and site supervision. With recent amendments in the Building Control Regulations to recognise graduates from more foreign universities as REs and RTOs for local projects, this course will be useful to engineers with foreign qualifications, and others who wish to be updated on local construction practices.
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.

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<tr>
<td>BCA Academy, 200 Braddell Road, Singapore 579700</td>
<td>26 Apr 2017 to 26 Apr 2017 0900 to1730 Fee (incl of GST): S$400.00 (Lunches and refreshments will be provided)</td>
<td>Contact Person: Customer Service Officer Email: <a href="mailto:bca_academy@bca.gov.sg">bca_academy@bca.gov.sg</a> Phone: 62489999 Fax: 62580558</td>
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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.

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<td>BCA Academy, 200 Braddell Road, Singapore 579700</td>
<td>26 Apr 2017 to 27 Apr 2017 0900 to1730</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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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.

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<td>BCA Academy, 200 Braddell Road, Singapore 579700</td>
<td>4 May 2017 to 4 May 2017 0900 to1700 Fee (incl of GST): S$400.00</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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MANAGING PROJECT TEAMS EFFECTIVELY

Managing people, in general, can be frustrating and demanding on ones time and can result in increased stress levels, especially when we are so consumed in our daily work processes. Very often, project managers, site supervisors, facility managers and building executives are hassled by their site agents, subcontractors, material suppliers and building tenants over all kinds of issues and problems relating to inadequate site facilities, slow work progress, poor building maintenance, high rental fees, etc. Normally, people who lack effective management and interpersonal skills would only exacerbate such situations. Furthermore, the stress of handling difficult people and challenging situations can result in low productivity, low morale and high absenteeism within the team or an organisation. The 2-day experiential workshop aims to teach participants practical solutions to effectively manage people by considering (1) what makes people difficult (2) how we could communicate effectively and manage peoples expectations, and (3) strategies for dealing with difficult people and situations. Through interactive activities, role play and case studies participants learn how to apply the provided tools coupled with their interpersonal skills to deal with all types of work behaviour problems. Towards the end of the workshop, you should be able to develop a personal action plan that helps you manage your team more effectively.

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<tr>
<td>BCA Academy, 200 Braddell Road, Singapore 579700</td>
<td>15 May 2017 to 16 May 2017 0900 to1700 Fee (incl of GST): S$400.00</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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### OBLIGATIONS AND LIABILITIES IN BUILDING CONSTRUCTION WORKS

The stakeholders of construction projects often incur liabilities due to their failure to recognise and comply with certain implied obligations which maybe arouse during the design and construction processes. It is, therefore, imperative for the project parties to understand the implied obligations and liabilities prior to the commencement of construction projects. This course will provide the participants with an insight into the obligations and liabilities of the key players in building and construction works, with focus on the Building Control Act. The course will cover the various obligations under contract, tort and statutory duty in building and construction works. The main focus will be on the regulatory framework of the Building Control Act and the recent developments of the Act. These will be discussed and illustrated with reference to the roles of various appointment holders under the Building Control Act with examples of local incidents and decided case law.

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| BCA Academy, 200 Braddell Road, Singapore 579700 | 16 May 2017 to 25 May 2017 1830 to 2130 5th Run: 16, 18, 23 & 25 May 2017 | Contact Person: Customer Service Officer  
Email: bca_academy@bca.gov.sg  
Phone: 6248 9999  
Fax: 6258 0558 |

### 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.

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| IES Academy@Jurong East, Devan Nair Institute For Employment and Employability, 80 Jurong East Street 21, #04-10 Singapore 609607 (Near Jurong East MRT) | 26 May 2017 to 26 May 2017 0900 to 1700 9am-5pm 26 May 2017 | Contact Person: Christine Lau  
Email: christine.lau@iesnet.org.sg  
Phone: 6461 1248  
Fax: 6563 6030 |

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