Building and Construction Authority

Construction Productivity Awards 2017 (CPA 2017)

BCA is now inviting nominations for the Construction Productivity Awards (CPA) to recognise outstanding firms and industry practitioners for going the extra mile to achieve productivity improvements at the firm and project levels. The Awards aim to recognise built-environment professionals, consultants and builders for their achievements in improving productivity and promoting productivity in the industry. Closing date for nominations for CPA Projects and CPA Advocates is 31 Dec 2016.

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<th>Venue</th>
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| BCA      | 1 Sep 2016 to 31 Dec 2016 0000 to 2359 | Contact Person: Ms Lai Qianying (CPA - Projects), Ms Valerie Quek (CPA - Advocates)  
Email: lai_qianying@bca.gov.sg, valerie_quek@bca.gov.sg  
Phone: 6804 4224, 6804 4177  
Fax: 6334 3972 |

Building and Construction Authority

Construction Excellence Awards 2017 (CEA 2017)

The BCA Construction Excellence Awards (CEA) accord recognition to construction projects that have demonstrated the highest standards of construction excellence in Singapore. The nomination for Construction Excellence Awards 2017 (CEA 2017) is now open until 25 Nov 2016.

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| BCA      | 30 Sep 2016 to 25 Nov 2016 0000 to 0000 | Contact Person: Mr Ken Ho  
Email: ken_ho@bca.gov.sg  
Phone: 6730 4496  
Fax: 6225 5225 |

Building and Construction Authority

PROTECTION AGAINST LIGHTNING FOR BUILDINGS

Singapore experiences the highest incidence of lightning strikes in the world. These lightning strikes have caused major disruptions to main systems equipment and considerable damage to building structures. Understanding of lightning phenomenon and proper setup of lightning protection system are critical for the protection of lives, properties and equipment. The 2-day course aims to provide participants with an understanding of the effects of lightning and various lightning protection methods for building structures. It will also cover various analytical methods for the performance assessment of lightning protection systems.
**ADVANCED CONCRETE DESIGN USING EUROCODE 2**

This course complements the basic course on Eurocode 2 (EC2), Design of Concrete Structures-Eurocode vs British Standard to give a comprehensive coverage of the more advanced topics in EC2. It covers the design of prestressed concrete structures, slender columns, strut and tie of concrete regions that do not conform to flexure, core walls, foundations, retaining walls, progressive collapse, as well as both prescriptive and performance-based design of fire resistance of concrete structures. In addition, this course will equip participants with fundamental understanding of structural behaviours. It also contains worked examples, where appropriate, to enable participants to grasp the full details of the design procedures. As cross reference will be made to the basic course on EC2, participants are encouraged to attend the basic course on EC2 before attending this advanced course. This course is jointly organised by BCA Academy and Protective Technology Research Centre (PTRC) of Nanyang Technological University (NTU).

**INTERNAL AUDIT (QEHS) COURSE BASED ON QUALITY ISO 9001, ENVIRONMENTAL 14001 & HEALTH & SAFETY OHSAS 18001 (DAY CLASS)**

The Internal Audit (QEHS) course (based on requirements on Quality Management System, Environmental Management System and Occupational Health and Safety Management System) aims to equip Internal Auditors with the knowledge and skill required to assess, monitor and measure the performance of an organisation's integrated QEHS Management system. As the ISO 9001 and ISO 14001 have recently undergone a major review, the course includes the latest updates of the new editions and highlights the necessary revisions to ensure smooth transition from the current version.

**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.

**SITE MANAGEMENT OF PRECAST CONCRETE CONSTRUCTION**
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.

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)

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

Fee (Incl. GST): S$480.00# (without Funding) / S$165.98(with WTU funding support for eligible local participants*) #
Foreigners may claim 40% of WTU funding support upon fulfilling the funding requirement* *For more information on the funding requirement, please refer to http://www.bca.gov.sg/manpower/wtu.html

BIM FOR MEP COORDINATION

With advent of BIM, the design and installation conflicts among construction elements could be effectively identified, visualized and managed with the use of 3D BIM model. Mechanical, Electrical and Plumbing (MEP) coordination has been identified as one of the most complex tasks of the project delivery process. The BIM for MEP Coordination course aims to provide participants with the necessary knowledge and skills on how to achieve MEP spatial coordination through BIM with a greater degree of accuracy and collaboration. A series of hands-on, collaborative exercises will be conducted to simulate the real-world scenario of the coordination process from model review all the way to BIM translation to field. As such, participants are able to familiarize themselves with better, more efficient practices in MEP modelling, coordination, and collaboration, which will ultimately contribute to productivity and minimize reworks on site.

Venue
BCA Academy, 200 Braddell Road, Singapore 579700

Date and Time
29 Nov 2016 to 30 Nov 2016
0900 to 1800

Fee (Incl of GST): S$825.00# (without subsidy) S$131.07* (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

DEVELOP A WORKPLACE SAFETY AND HEALTH MANAGEMENT SYSTEM IMPLEMENTATION PLAN (BIZSAFE LEVEL-4)

bizSAFE is a five-level programme devised by the WSH Council (WSHC) to assist companies build up their WSH capabilities in order to achieve quantum improvements in safety and health standards at their workplaces. Companies are guided through a journey, starting from top management demonstrating their commitment towards WSH, to acquiring risk management capabilities and implementing a WSH Management System. In the process, participating Companies gain recognition and benefits of having a comprehensive WSH system in place. In the bizSAFE learning journey, this Level 4 course is meant for individuals who are appointed as WSH Management System Programme Lead and responsible for implementing WSH Management System in accordance with the requirements of Singapore Standard on Occupational Safety and Health Management System SS 506. This course has been accredited by the WDA.

Venue
BCA Academy, 200 Braddell Road, Singapore 579700

Date and Time
1 Dec 2016 to 6 Dec 2016
0900 to 1700
1, 2, 5 & 6 Dec 2016
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

BUILT ENVIRONMENT AND PROPERTY PROSPECTS SEMINAR 2017

Building and Construction Authority
6 Jan 2017 to 6 Jan 2017
Brexit has become a reality. The economies of China, USA and European Union are showing signs of slowing down. Nearer to home, Asian economies are also experiencing weaker export growth and potentially rising interest rates. In Singapore, our economy is also not spared by the global downturn. Against this backdrop, how will the built environment perform in 2017? What are the opportunities available for the built environment in Singapore? What strategies can the industry firms adopt to re-position themselves to improve organisational performances? Beyond Singapore, where are the next hotspots for growth? At this seminar, distinguished speakers will address these burning questions.

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<td>6 Jan 2017 to 6 Jan 2017 0945 to 1730</td>
<td>Contact Person: Customer Service Officer</td>
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<td>FEES: S$425.00* / S$465.00 incl. of GST</td>
<td>Email: <a href="mailto:bca_academy@bca.gov.sg">bca_academy@bca.gov.sg</a></td>
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<td>* Discounted rates for participants who make payment by 5pm, 6 Dec 2016 / participants who register and pay in groups (minimum 3 per group from the same organisation). Lunch and refreshments will be provided. Seminar materials are downloadable on 6 Jan 2017.</td>
<td>Phone: 6248 9999</td>
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<td>Fax: 6258 0558</td>
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