PROFESSIONAL SHARING SERIES SEMINAR 2017 - CREATING DIGITAL DNA IN GLOBAL INFRASTRUCTURE

While there are enormous investment in infrastructure, throughout Asia at large, the global construction industry is lagging in embracing new digital technology that could yield significant benefits to both project delivery and asset performance. Keynote Speaker Greg Bentley will share his perspective on the convergence of new technologies and best practices, as illustrated through the projects in Singapore and around the world. This will be followed by a sharing on the success stories in infrastructure lifecycle.

Venue
BCA Academy, 200 Braddell Road, Singapore 579700

Date and Time
23 May 2017 to 23 May 2017
1430 to 1700

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

DESIGNING AND CONSTRUCTING CLT & GLULAM STRUCTURES

Cross Laminated Timber (CLT) and Glued Laminated Timber (Glulam) are engineered wood systems which have been identified as innovative products that can raise construction productivity. Such systems offer greater design flexibility, rapid installation, and waste and weight reduction as seen in many construction projects overseas. In the local scene, the industry has become more aware of the benefits of such technology, with a number of CLT/Glulam projects in the pipeline. In order to gain real traction for its adoption, the various considerations such as humidity, performance, termite protection, building envelope design and fire safety regulations have to be addressed. This 2-day workshop aims to elevate the knowledge and skill of the participants in the design and construction of CLT and Glulam structures. It will address the various considerations which may have caused reservations in its adoption.

Venue
BCA Academy, 200 Braddell Road, Singapore 579700

Date and Time
6 Jun 2017 to 7 Jun 2017
0900 to 1700

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

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.

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| BCA Academy, 200 Braddell Road, Singapore 579700 | 14 Jun 2017 to 15 Jun 2017 0900 to1730 Course Fee: S$450.00 per participants (Fee includes course materials, lunches and refreshments) | Contact Person: Customer Service Officer  
Email: bca_academy@bca.gov.sg  
Phone: 6248 9999  
Fax: 6258 0558 |

**DESIGN OF STEEL-CONCRETE COMPOSITE STRUCTURES USING EUROCODE 4**

SS EN 1994 (Eurocode 4) is the new standard for design of composite structures. It covers many forms of composite structural design and provides the most comprehensive and up-to-date set of design guidance currently available. This course aims to provide civil and structural engineers an introduction to the Eurocode provisions for the design of steel-concrete composite building structures. The course will cover primary design issues and design procedures for composite beams and slabs as used in modern building construction. It also covers shear connections, column design and the interaction between Eurocode 4 and other Eurocode parts. Cross references will be made to the other Eurocode parts which are needed to develop design solutions, for example, SS EN 1991 (Eurocode 1 - Actions on structures), SS EN 1992 (Eurocode 2 - Design of concrete structures) and SS EN 1993 (Eurocode 3 - Design of steel structures) and their respective Singapore National Annexes. Practical examples with direct reference to the code clauses will be used to illustrate the application of the code requirements.

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| BCA Academy, 200 Braddell Road, Singapore 579700 | 19 Jun 2017 to 20 Jun 2017 0900 to1730 | Contact Person: Customer Service Officer  
Email: bca_academy@bca.gov.sg  
Phone: 6248 9999  
Fax: 6258 0558 |

**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.

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| BCA Academy, 200 Braddell Road, Singapore 579700 | 20 Jun 2017 to 20 Jun 2017 1345 to1715 Fee (incl. of GST): S$150.00 | Contact Person: Customer Service Officer  
Email: bca_academy@bca.gov.sg  
Phone: 6248 9999  
Fax: 6258 0558 |

**BIM FOR STRUCTURAL DESIGN AND DETAILING**

The built environment sector has seen significant transformation from 2D drafting to 3D modelling in recent years. While the Civil and Structural (C&S) BIM e-submission is gaining traction, structural calculations are still generated in PDF to justify the sizes of load bearing elements. There is disconnect between analytical models used in design and physical models used to document design intent. There is indeed a need to push for the integration of physical and analytical models to maximize the benefits of BIM for structural engineers.

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| BCA Academy, 200 Braddell Road, Singapore 579700 | 27 Jun 2017 to 28 Jun 2017 0900 to1800 | Contact Person: Customer Service Officer  
Email: bca_academy@bca.gov.sg  
Phone: 6248 9999  
Fax: 6258 0558 |
COMPUTATIONAL DESIGN FOR ARCHITECTURE

Computational Design or Parametric Design enables architects and designers to explore more design options and variations leading to desired solution. This design approach also makes the creation of complex geometry possible and accurate. Exemplary projects adopting computational design approach will also be shared in this workshop. This 2-day workshop covers the practical applications, modelling workflow and integration of model with BIM software to enhance the design process. Participants will be equipped with practical computational design skills and technical knowledge through the hands-on sessions.

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<tr>
<td>BCA Academy, 200 Braddell</td>
<td>11 Jul 2017 to 12 Jul 2017</td>
<td>Contact Person: Customer Service Officer</td>
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<tr>
<td>Road, Singapore 579700</td>
<td>0900 to 1800</td>
<td>Email: <a href="mailto:bca_academy@bca.gov.sg">bca_academy@bca.gov.sg</a></td>
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Building and Construction Authority

BUILDING CONTROL AND GEOTECHNICAL BUILDING WORKS

This seminar aims to raise the safety standards of our industry and shape a safe built environment for Singapore. This year, we will be partnering with GeoSS and our industry partners to share on issue related to Building Control and safety of Geotechnical Building Work as we anticipate more upcoming civil engineering projects.

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<td>ORCHARD HOTEL</td>
<td>28 Sep 2017 to 28 Sep 2017</td>
<td>Contact Person: Geotechnical Society of Singapore</td>
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<td></td>
<td>9am to 5pm</td>
<td>Secretariat</td>
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<td>28 Sept 2017</td>
<td>Email: <a href="mailto:geoss@cma.sg">geoss@cma.sg</a></td>
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