DTU-BCA EXECUTIVE DEVELOPMENT PROGRAMME 2016
SMART AND SUSTAINABLE CITIES
Copenhagen and Fyn, Denmark • 26 to 30 September 2016

- Early bird discounted fee extended till 25 Jul 2016
- SkillsFuture Study Award (up to $5,000) are available (T&C apply)

Singapore has embarked on the journey towards becoming the world’s first Smart Nation, seeking to support better living and stronger communities, and create more opportunities. To co-create this future of Singapore, the built environment sector could play a crucial role in turning Singapore into a Smart City.

Similar to Singapore, Denmark has an ambitious goal for the country: to be the first carbon-neutral country in the world by 2050. Smart City projects have been carried out in many Danish towns and cities, and Denmark has been identified to have the opportunity to become a world leader in smart cities. In the European Smart Cities ranking, three Danish cities, namely Aarhus, Aalborg and Odense, are ranked within the top 10 smartest cities.

To leapfrog Singapore’s smart city development, the DTU-BCA EDP 2016 on Smart and Sustainable Cities will allow the delegates to be immersed in the Danish cities and the smart solutions implemented in the living labs, so as to have a deeper understanding on the various aspects of a Smart City, such as smart energy, smart building and smart technology.

1st Intake: 26 to 30 Sep 2016
Registration closes on 12 Aug 2016
Venue: Copenhagen Fyn, Denmark
To register, CLICK HERE!
UNIVERSAL DESIGN CONFERENCE 2016

Universal Design in Public Places
Conference ● Exhibition ● Forum ● Building Tour

The Universal Design Conference 2016 is an anchor event for the Singapore Universal Design Week 2016. Themed “Universal Design in Public Places”, the 1-Day conference aims to accelerate the adoption of UD concepts in the creation of inclusive and user-friendly public places. This requires considerations made on the needs of everyone, including the elderly, expectant mothers, parents with young children, families, and persons with disabilities.

Key Highlight
Mr Chin Chi Leong, Acting Deputy CEO (Building Control), BCA will deliver “Universal Design Implementation Strategy – Towards an Inclusive Built Environment” to share how BCA is gearing to improve inclusivity through new approaches and objectives to accelerate UD adoption in the building industry.

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<thead>
<tr>
<th>CPD Points</th>
<th>Conference</th>
<th>Forum</th>
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<tr>
<td>PEB</td>
<td>5 PDUs</td>
<td>2 PDUs</td>
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<td>BOA-SIA</td>
<td>4 CPD Points</td>
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<td>SI LA</td>
<td>4 CPD Points</td>
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Date: 27 Jul 2016
Venue: Grand Copthorne Waterfront Hotel

To register, CLICK HERE!
1/2 day Workshop on **Prefabricating the Future**  
- A Local CLT and Glulam Experience

The construction of the first large scale building in Singapore which adopted Cross Laminated Timber (CLT) and Glued Laminated Timber (Glulam), the NTU Sports Hall, will complete soon. The Sports Hall uses CLT for the finishes and flooring and Glulam for the beams, columns and the long span roof structure. The unique 72 m-long span roof structure provides eight times better thermal insulation than concrete, reducing the building energy consumption by about 40%. While reaping the benefits of improved productivity and sustainability, the project team has also overcome many challenges along the way. The experience which they have gone through would provide good learning points for the industry.

In this workshop, representatives from the Project Developer, C&S Engineer, Subcontractor and Timber Suppliers will share their project experience and learning points throughout the design, manufacturing, transportation and construction stages. A time-lapse video illustrating the construction of the 72 m-long span timber roof structure will be shown.

**CPD Points**
PEB: Pending  
BOA-SiA: Pending  
IES-ACES: Pending

- Include site visit to NTU Sports Hall project under construction  
- Up to 90% WTU Funding is available (T&C apply)

**Date:** 17 Aug 2016 (am)  
**Venue:** NTU Sports Hall

To register, [CLICK HERE!](#)
2-day course on Design of Lightning Protection System

- Featuring distinguished speaker from Australia - DR FRANCO D’ALESSANDRO
- One-off workshop not to be missed

This 2-day workshop covers the various aspects of lightning protection systems, including personnel safety, risk management, design approach and equipment, for buildings, structures and mission critical facilities. It aims to provide participants with a comprehensive understanding of the key principles and concepts of lightning protection, risks and mitigations.

**CPD Points**
PEB: 12 PDUs

**Event Date:** 3 & 4 Aug 2016
**Venue:** BCA Academy

To register, [CLICK HERE!](#)
½ Day Course on Environmental Sustainability Standard for Existing Buildings & Periodic Energy Audit

Regulatory requirements and implementation timeline of the prescribed Green Mark Standard for Existing Buildings and periodic energy audit of building cooling system took effect in Jan 2014.

This course will provide participants with salient information and knowledge on the Building Control Act 2012, Building Control (Environmental Sustainability Measures for Existing Buildings) Regulations 2016, Code on Periodic Energy Audit of Building Cooling System and the Green Mark e-filing system.

**CPD Points**
PEB: Pending
BOA-SIA: Pending

5th Run Date: 24 Aug 2016
Venue: BCA Academy

To register, [CLICK HERE!](#)
1-day Workshop on
Planning, Design, Construction and Commissioning of Storey and Staircase Shelters

The mandatory provision of civil defence (CD) shelters for all new residential developments started in 1998. Owners have the option of providing household shelter within the dwelling unit or storey shelter on each floor. The staircase shelter concept was later introduced to allow for alternative design for architects and designers with more design options in building development with respect to space planning, building configurations and apartment unit design layout.

This workshop will provide participants with insights of good CD shelter design and construction practices in compliance with technical requirements. Salient changes and revisions made to the storey shelter technical requirements will also be covered in the workshop.

**CPD Points**
Peb: 6 PDUs
Boa-Sia: 2 CPD Points
Ies-Aces (for RES/ROTos): Pending

4th Run Date: 25 Aug 2016
Venue: BCA Academy

To register, [CLICK HERE!](#)
1 day Course on 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.

**CPD Points**
PEB: Pending  
SILA: 4 CPD Points  
BPA-SIA: Pending

1st Run Date: 26 Oct 2016  
Venue: BCA Academy

To register, [CLICK HERE!](#)