**Events**

**Building and Construction Authority**

**Construction Excellence Awards 2019 (CEA 2019)**

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 2019 (CEA 2019) is now open until 31 Oct 2018.

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<th>Venue</th>
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| BCA   | 3 Sep 2018 to 31 Oct 2018 0000 to 2359 | Contact Person: Mr Ken Ho  
Email: ken_ho@bca.gov.sg  
Phone: 6730 4496  
Fax: 6225 5225 |

**Institution of Engineers, Singapore**

**Cooling Tower Technologies for Sustainable Buildings and Healthy Living Seminar**

Singapore has designated 2018 as the Year of Climate Action. In recognition of this important initiative, the seminar will address the challenges and technological solutions related to the sustainable functioning of cooling towers in buildings. These technologies seek to minimise the use of water, energy, and chemicals (and by extension, toxicity levels), while still eliminating microbial contamination in order to ensure high indoor air quality.

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| Holiday Inn Singapore Atrium, 317 Outram Road, Singapore 169075 | 1 Nov 2018 to 1 Nov 2018 0830 to 1800  
8.30am to 6.00pm (0830hrs to 1800hrs)  
1 November 2018, Thursday | Contact Person: Queek Jiayu  
Email: jiayu@iesnet.org.sg  
Phone: 64695000  
Fax: |

**Institution of Engineers, Singapore**

**Technical Talk on Artificial Intelligence for Decision Support in Healthcare and Manufacturing**

A strategic decision normally entails trade-offs in multiple factors, e.g., human resource, equipment, cost, and risk. In a rapidly changing environment, decisions have to be made with incomplete and imperfect information. Knowledge extracted from data, either small or big, using artificial intelligence and related methodologies provides useful insights such that informed decisions could be made in complex and dynamic environments. In this talk, the speaker will share his experience in designing and developing computational intelligence models, primarily neural, fuzzy, and evolutionary algorithms for data analytics and decision support. He will also elucidate the capability of using intelligent learning models for extracting useful information and knowledge from small to big data to support human decisionmaking processes. Real-world case studies in healthcare and manufacturing domains will be demonstrated.
### Technical Talk on The Nuts and Bolts of Safety Case - Functional Safety and Hazardous Area Awareness

The objectives of the technical talk is to provide the knowledge and awareness on the fundamentals and first principles associated with functional safety and hazardous area classification. Two distinguished industry experts will deliver the talk through the interactive sessions. Process engineers, process designers, process safety engineers, electrical engineers and instrumentation engineers would benefit by attending this talk.

### Design for Safety for Professionals (DFSP)

This Competency Requirement document specifies the performance criteria, underpinning knowledge, range and context for the design, training and assessment of the Design for Safety Professionals (DFSP) Course. Learners of this course will gain the knowledge and skills for fulfilling the roles of the construction in accordance with the guideline on Design for Safety and Health in Buildings and Structures.

### Design Of Precast Concrete Elements For Hybrid Buildings (2nd Run)

The course explains how to design pretensioned prestressed elements suitable for hybrid (precast + insitu) concrete construction (with a given extended worked example of a double-tee long span floor with in-situ topping).

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