Building and Construction Authority

IMPROVING PRODUCTIVITY & PROFITABILITY THROUGH BIM

You are cordially invited to attend the first Masterclass jointly organised by BCAA, NTUC and e2i on 24th August 2017. Admission is free. As seats are limited, do register early to avoid disappointment. Please click on the link to register.

Venue
BCA Academy, 200 Braddell Road, Singapore 579700

Date and Time
24 Aug 2017 to 24 Aug 2017
0900 to 1300

Contact Details
Contact Person: Customer Service Officer
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Fax: 6258 0558

Institution of Engineers, Singapore

Electrical, Electronics & Computer Engineering Talk 2017 - "New Results on Energy Transmission Grids: Efficiency by Architecture"

The Institution of Engineers, Singapore (IES) Electrical, Electronics and Computer Engineering Technical Committee (EECETC) and Singapore Institute of Technology (SIT)-IES Student Chapter are jointly organising this Talk. We are honoured to have Prof. Dr.-Ing. Wolfgang Utschick from Technische Universitt Mnchen (TUM) as our distinguished Speaker. In several countries, the recent rise of electricity generation based on renewable energy sources increases the demand for transmission capacity. However, conventional capacity expansion via the construction of new transmission lines often receives considerable public opposition due to its impact on landscape and adjacent environment. In this Talk, we present the hybrid architecture, i.e., a landscape-preserving expansion approach that relies on the conversion of certain existing AC lines and transformers to HVDC operation. This systematic conversion induces a transformation of system structure, which does not only increase the effective capacity but also introduces methodological as well as operational advantages. We have shown that the hybrid architecture improves decision making by enabling an exact convex relaxation of the optimal power flow problem and providing computationally efficient and accurate nodal pricing methods. Furthermore, the flow control of VSC HVDC systems supports the handling of grid congestion and their reactive power capability enables extensive voltage support. In a study of the German transmission grid, we illustrate that the hybrid architecture can substantially improve the utilization of the existing grid topology and, therewith, considerably reduce the need for new lines.

Venue
Singapore Institute of Technology@Singaport Polytechnic, LT5A, SIT@SP 510 Dover Road, Singapore 139660

Date and Time
6 Sep 2017 to 6 Sep 2017
1600 to 1830
4pm to 6.30pm
6 September 2017 (Wednesday)

Contact Details
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Variation Orders And Extension Of Time Pertaining To A Construction Contract

Handling of variations to terms and conditions and giving consideration to the granting of Extension of Time pertaining to a construction contract are two very important aspects of contract administration. It is unfortunate that the proper ways to do so are not known or intentionally ignored by many contract administration to be aware of the proper ways to do so. This short course is organized with the view to help participants establish such understanding.

Venue
IES Academy@ Jurong East, 80 Jurong East St 21, #04-10
Devan Nair Institute, Singapore 609607

Date and Time
11 Sep 2017 to 11 Sep 2017
9.00am - 5.00pm
11 Sep 2017, Monday

Contact Details
Contact Person: Ms Lee Woon
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Certification and Construction Authority

CERTIFICATION COURSE FOR GREEN MARK PROFESSIONAL (GMP)

The revamped Certification Course for GMP is specially designed for professionals working on new development and wish to equip themselves with in-depth knowledge on the BCA Green Mark Scheme, green building technologies and best practices. It emphasises on the integration of passive and active strategies to encourage industry practitioners to adopt creative approach in their design, and develop green solutions to enhance building performance.

Venue
BCA Academy, 200 Braddell Road, Singapore 579700

Date and Time
21 Sep 2017 to 6 Apr 2018
0900 to 1730
Starting from 21 Sep 2017
Application Closing Date: 30 Aug 2017

Contact Details
Contact Person: Customer Service Officer
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Fax: 6258 0558

Institution of Engineers, Singapore

Workshop on Assessment of In-situ Compressive Strength in Concrete Structures 1st Run

The Workshop covers the approaches for confirmation of in-situ strength, assessment of existing structures to be modified, redesigned or damaged and dispute over concrete quality, non-conformity or defective workmanship in new concrete construction. The participants will be guided through the topics which include the use of cores, calibration of indirect method (NDT), use of calibrated indirect method and determination if structure has adequate strength using cores or indirect test data with limited number of cores. The complementary standard provides additional guidance to those in EN 13791. A sample test plan consisting of 3 stages is given in Annex B (informative) of SS 592. In addition, the limitations and usefulness of various NDT methods including Windsor (not in EN 13791) are reviewed based on tests conducted in laboratory studies.

Venue
IES Academy

Date and Time
22 Sep 2017 to 22 Sep 2017
0900 to 1715
9.00 am - 5.15pm
22 September 2017, Friday

Contact Details
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Institution of Engineers, Singapore

Environmental Health Concerns from Construction Sites - Air & Water Pollution (New Course)

This course aims to highlight the key environmental concerns relating to air and water pollution from construction sites. The scope of the course will cover sources and activities on worksites that generate pollution, as well as the impact of this pollution on our environment. Regulations, management and control measures to address these pollution concerns will also be discussed.

Venue
IES Academy@ Jurong East, 80 Jurong East St 21, #04-10
Devan Nair Institute, Singapore 609607

Date and Time
26 Sep 2017 to 26 Sep 2017
1800 to 2115
6.00pm - 9.15pm
26 September 2017, Tuesday

Contact Details
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