

HKFEMC Joint Professional BS Training Courses 2019 Lectures Details

Session & Date		Topic	Speaker
1	7 May 4 Jun (Tue)	Basic design of Smoke Extraction System and Staircase Pressurisation Content: <ul style="list-style-type: none"> - Basic FSIs smoke extraction system and staircase pressurization system design and considerations; - Case studies sharing; - SPR / AFA system design consideration/ constraint/ interface with smoke extraction system / staircase pressurization system; - Commission and inspection concern on SPR / AFA system when system interface with smoke extraction system / staircase pressurization system. 	Ir Raymond TAM / Ms Vicki TANG Technical Director / Associate J. Roger Preston Limited
2	10 May (Fri)	Essentials of LV Electrical Installations Content: <ul style="list-style-type: none"> - Introduction; - Load estimation and diversity factor; - Type testing and approval of electrical equipment; - Overload and short circuit protection; - Earth fault protection; - Voltage drop and boost-up transformer; - Power factor correction with de-tuned capacitors; - Active and passive filters. 	Mr Albert Y W LAW Managing Director Alberta Engineering Ltd
3	16 May (Thu)	Application of Fire Engineering in Hong Kong Content: Performance-based fire engineering is an approach allowed in Code of Practice permits alternative building design deviated from prescriptive requirements, but the fire safety is required to be justified by scientific approach. This technical talk introduces Fire Safety Engineering in Hong Kong and aims to provide young engineer with in-depth knowledge in performance-based fire engineering approach, statutory requirements on alternative design and relevant legislation control. Through the sharing of case study, young engineer will develop: <ul style="list-style-type: none"> - Knowledge of local statutory requirements; - Understanding of the comparative and deterministic fire engineering approaches; - Technique in using computational fluid dynamics (CFD); - Technique in using evacuation models ; - Understanding of the building evacuation and fire risk assessment. 	Dr Jason YUEN Associate Arch & Fire Professional (Int'l) Ltd

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4	21 May (Tue)	<p>New Technologies in Plumbing & Drainage System Design</p> <p>Content:</p> <ul style="list-style-type: none"> - Digital Transformation – Use of Big Data - Use of BIM – latest trends in the industry - Revit MEP and automation - Inspection tools - 3D Survey and Drone - VR construction <p><i>(Accreditation under Water Supplies Department's CPD Scheme)</i></p>	<p>Ir Bob LAU Associate Director Ove Arup & Partners Hong Kong Ltd</p>
5	24 May (Fri)	<p>Protection of LV Electrical Installations and Equipment</p> <p>Content:</p> <ul style="list-style-type: none"> - Introduction; - Control and protection by switchgears; - Overcurrent and earth fault protection ; - Protection relays; - Protection grading and discrimination; - Circuit protection; - Motor and generator protection; - Transformer and capacitor protection. 	<p>Mr Albert Y W LAW Managing Director Alberta Engineering Ltd</p>
6	28 May (Tue)	<p>1) Backflow Preventer, valve for Energy Conservation, Environmental and Health Protection.</p> <p>Content:</p> <ul style="list-style-type: none"> - How Backflow Preventer can save energy and protect environment and health; - International Standards for Backflow Preventer. - 5 different fluid categories for different Backflow Preventer; - 23 Family Types of Backflow Preventer; - How Backflow Preventer work to prevent back syphonage and back pressure; - Requirements in Installation, Testing & Commissioning. <p>2) Pump Selection, Variable speed technology and application</p> <p>Content:</p> <ul style="list-style-type: none"> - Pump construction and selection; - Pump hydraulic performance & pump speed; - EMSD requirement on pumps; - Design for pressure boosting system; - The concept of variable speed control and working principle; - Application of variable speed in water pump system. <p><i>(Accreditation under Water Supplies Department's CPD Scheme)</i></p>	<p>Mr Thomas YEUNG General Manager Bestflow Engineering & Trading Ltd.</p> <p>Mr Terry TSANG Sales & Products manager Grundfos Pumps (Hong Kong) Ltd.</p>

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7	31 May (Fri)	Application and Technology in ELV System Content: <ul style="list-style-type: none"> - Pactical Application of ELV System in Building; - New Device in ELV System; - Digital Network System and Enhance ELV System. 	Mr Alex W K CHAN Director Nixon Technology Co Ltd
8	11 Jun (Tue)	1) VR Training and Development Content: <ul style="list-style-type: none"> - Introduction - Training Effectiveness Review - VR Technology and its application - Deployment of VR Technology to the Training Field - Guide path to the Future 2) Introduction of Unintended Car Movement Protection Means of Lift System Content:- <ul style="list-style-type: none"> -Introduction -Requirement History of UCMP system -Brief to the statutory requirements -General Guideline of UCMP application 	Mr Daniel CHAN Technical Director Schindler Lifts (Hong Kong) Ltd Ir Kelvin CHIN Fujitec(HK) Co. Ltd. (Manager of Engineering Division)
9	20 Jun (Thu)	Water Pump design and selection Content: <ul style="list-style-type: none"> - Pumps for local building services market; - Pump characteristics and selection; - Efficiency & Energy Saving in pumping system; - Cavitation; - Pumping operation. 	Mr John MA Sales Manager The Jardine Engineering Corp Ltd
10	25 Jun (Tue)	AHU & Fan Design and Selection Content: <ul style="list-style-type: none"> - Base knowledge on Airflow & Capacity; - Type of AHU & Fan and Characteristics; - Sharing common mistakes; - Future Trend on Fan and AHU development. 	Mr Tony NG Assistant Director Welcome Air-Tech Ltd.
11	27 Jun (Thu)	Statutory Requirements and Inspection for Smoke Control Systems Content: <ul style="list-style-type: none"> - Brief introduction to the statutory requirements; - Design consideration of smoke control systems; - Sharing experience with common mistakes; - Brief introduction to inspection procedures. 	Ir Albert YAU Director Fire Safety Consultants Ltd