Date	Lecture	Speaker
1 Sept	Topic	
(Tue)	IoT Application on Building Life Cycle and Retro-Commissioning	Mr lan LEE Solution Director,
	Contents	Schneider Electric
	IoT application in Building Life Cycle:	
	Design Stage	
	Construction Stage	
	Testing and Commissioning Stage	
	Post Move-in Stage	
	Retro-commissioning:	
	Advantages	
	How to further improve and by what	
	Case Studies: • How monitoring could help on energy saving in an international	
	group	
	 How a building block save energy by checking the equipment performance 	
3 Sept	<u>Topic</u>	
(Thur)	Latest Technology and Standard on Sprinkler Systems	Mr Simon YAN
	This tack wisel tells were idea an introduction to equiples a set-one waster	Engineering
	This technical talk provides an introduction to sprinkler systems, major contents in design principles, the latest technology and the operational	Manager, InnoTec
	aspects with other fire protection systems.	Engineering Ltd
	aspects with other me protection systems.	Engineering Eta
	Understanding of the principles of system design, major components	
	and the operation of sprinkler systems;	
	Knowledge of the local code / LPC rules and BS EN 12845 of sprinkler	
	rules;	
	Understanding the operating linking to other active fire protection	
	systems.	
	Latest development of sprinkler systems technology, environmental and a fet vice and with a system and a fet vice and a	
	and safety issues with experiences sharing.	
15 Sept	Topic	
(Tue)	Digitalization for Building Operations	Mr lan LEE
` ′		Solution Director,
	Contents	Schneider Electric
	How IoT and Digitalization helps on Building Operations including:	
	Energy saving	
	Labour saving	
	Critical equipment monitoring	
	Critical assets monitoring	
	Critical condition monitoring Chapter on proceedings	
	Sharing on possible cases like:	
	Critical room monitoring inside a hospital e.g. negative pressure	
	 room Workplace efficiency improvement 	
	- Workplace emolency improvement	

Date	Lecture	Speaker
Date 17 Sept (Fri)	Topic Fire Science and Hot Smoke Test in Hong Kong Fire dynamics play a vital role in smoke control system and it is a key component for the fire safety of a building. This seminar introduces the fire science and the key elements to the success of hot smoke test in Hong Kong. Through the discussion of the current statutory requirements and the major procedures of the hot smoke test, the participants will be able to get a full picture of the hot smoke test. The salient points of the hot smoke test (i.e. applicable to both static and dynamic system) will also be discussed one by one with case studies. Key elements to the success of Hot Smoke Test • Early appointment of field test expert	Dr Jason YUEN Associate, Arch & Fire Professional (Int'l) Ltd
	 Allow sufficient time for method statement's submission Consider a reasonable time for FSD engagement Demonstrate the situation with CFD study Carry out mock-up test prior to the formal test 	
22 Sept (Tue)	 Topic H.V. Generator System with Synchronisation from Planning, FAT, Installation, SAT, FSI to Final Commissioning Sharing of real and practical experience in managing the most complex emergency power system of Macau Studio City back up by numerous high voltage generating sets with synchronisation from initial planning stage to final completion and handover stage. Considerations of technical submission and project execution plan including logistic and delivery of generator sets Organisation of FAT and technical back up for preparing high voltage generator sets synchronisation test Measures taken when FAT testing encountered failure and deficiency Application of BIM in generator plant room and monitoring the compliance of installation on site including underground fuel tanks. Preparation and implementation of SAT and interfacing tests before formal FSI Full commissioning of the generator system with synchronisation and its interfacing with other systems. 	Mr Jonathan C K WONG Director & General Manager, Paul Y. (E &M) Contractors Limited
24 Sept (Thur)	Topic Plumbing and Drainage Design – Learning from the Latest Developments to Embrace Future Challenges Over the past 15 years, Plumbing & Drainage Engineers have been working closely with governmental departments and various stakeholders in the plumbing and drainage industry in response to public concerns on water safety, sanitary health, anti-flooding provision and sustainability. This seminar will revisit engineers' efforts on the latest developments in these areas, and suggest ways to maintain our momentous effort in order to tackle future challenges on climate change, public health issues and conservation of water resources.	Ir Tommy LEUNG Technical Director, WSP

Date	Lecture	Speaker
6 Oct	Topics	
(Tue)	Introduction of Siphonic Rainwater Drainage System (Part 1)	Mr Eddy YEUNG Wai Kit
	Content	Technical Sales
	 Principles 	Director, Gate Way
	Key benefits	Valve & Fitting Ltd
	 Design considerations 	
	Installation recommendations	
	installation recommendations	
	2) Introduction of Using Flush Valves for WC (Part 2)	Mr Larry CHAN Senior Sales
	Content	Manage, Top Goal
	Polymer materials for sea water application	Group
	 Benefits of using flush valves for WC 	
	 Improved technologies for WC flushing 	OR Representative
	Concept of Internet of Toilet (IOT)	from Rigel
		Singapore
12.0	<u> </u>	
13 Oct (Tue)	Topic 1) Barrier Free Access (BFA) Lifts for Footbridge	Mr Johnson LAI Chief Engineer,
	Speaker	Sigma (HK) Ltd
	Over 40 Years in lift industry. Specialized in design.	Sigina (riik) Eta
	Over 40 rears in inclinidustry. Specialized in design.	
	Content	
	Special features & requirement of BFA lifts	
	Machine room-less	
	Glazing lift car & lift shaft	
	Automatic rescue device	
	Telemetry system for fault reporting	
	RMU for temperature sensing inside lift car & lift shaft	
	Nivio for temperature sensing inside int car & int shart	
	2) Implementation of New EMSD Design Code 2019 edition	Mr Daniel SIU Senior Engineer,
	Speaker	Chevalier (HK) Ltd
	Mr. Daniel Siu is a Registered Lift and Escalator Engineer and has over 20 years' experience in lift industry. He currently holds the position of Senior Engineer at Chevalier (HK) Ltd. Mr Siu is also a chartered engineer and possess a MSc degree. He has taken the post as Secretary for Technical Sub-committee of the Lift and Escalator Contractors Association for several years.	
	Content	
	Content Priof ravious of New Design Code 2010	
	Brief review of New Design Code 2019	
	New requirements from EN81-20/50 Major changes	
	Major changes A cool requirements	
	Local requirements	
	Implementation challenges	
	Common missing items	
	Future development	

Date	Lecture	Speaker
20 Oct (Tue)	Topic Pump & Valve Selection Speaker Mr. John MA has over twenty-five years in dealing with pump business and specialist in HVAC pump application and system. Academic qualification from HK Polytechnic before joining JEC. Mr. David Kwong has twelve years in dealing with valve business and ten years involved in water work facilities business in JEC. Academic qualification from UK university and HK Polytechnic. Content Fundamental knowledge of Practical Pump and Valve selection and application including Common pump types for Local Building Services Market Pump Characteristic and Selection Efficiency and Energy Saving in Pumping System Cavitation & Pump Operation General Valve Type and Application Balancing Valve in Heating/Cooling System	Mr John MA and Mr David KWONG Sales Managers, The Jardine Engineering Corporation Ltd
23 Oct (Fri)	Topic Fan & AHU Selection Speaker Mr. Tony NG has over 20 years' experience in HVAC industry specializing in various air side equipment. He has worked extensively in different Integrated AHU or EC AHU design in various project such as North Lantau Hospital, Tin Siu Wai Hospital, Disneyland, and Taikoo Phase 2A. He currently holds the position of Assistant Director at Welcome Air-Tech. Ltd. Content Basic Principle Common Terms Fan Laws Functions of fan and AHU in HVAC systems Fan Selection Different types of fan Optimizing fan selection based on application AHU Selection Common types of AHU Different components of AHU Optimizing AHU selection Filter Classes Common Misconception in industry	Mr Tony NG Assistant Director, Welcome Air-Tech Ltd

Date	Lecture	Speaker
5 Nov (Thur)	Topic Energy management for HVAC system Speaker Dr. Pan Lee is currently an Assistant Technical Manager at ATAL Building Services Engineering Ltd. He obtained his Doctor of Philosophy (in Energy Performance Contracting) at the Hong Kong Polytechnic University in 2016. He has extensive experience in both commercial and R&D projects, including HVAC optimisation, fault detection and diagnosis (FDD), data visualisation, as well as artificial intelligence in building control. The recent R&D project, entitled 'Cloud-based Chiller Plant Energy Management Platform', was awarded the Silver Award in Big Data and Open Data Applications of Smart Business at Hong Kong ICT Awards 2019.	Dr Pan LEE Assistant Technical Manager, ATAL Building Services Engineering Ltd
	 Content Energy management for HVAC system Fundamental concepts of HVAC control and energy management Energy optimization for air-side & water-side system: Concepts and practical Applications Advanced energy optimization using big data and Artificial Intelligence techniques 	