

CALL FOR PARTICIPATION

TRADE TECHNOLOGY SEMINAR:

BY INDUSTRY AND EMSTF

Event no. 1 4 May 2016 p.m. Smart City

Event no. 2 10 May 2016 p.m. Building Information Modelling

Event no. 3 12 May 2016 a.m. Retro-commissioning

Event no. 4 12 May 2016 p.m. Air-conditioning

Event no. 5 2 June 2016 a.m. Fire Services and Lift & Escalator

Event no. 6 16 June 2016 p.m. Biomedical and Electronic

Event no. 7 23 June 2016 p.m. Electrical Services

INNOVATION TECHNOLOGY SHARING:

BY UNIVERSITIES (CITYU, CUHK, HKU, HKUST & POLYU)

Event no. 1 19 May 2016 a.m. Next-GEN Solutions Event no. 2 19 May 2016 p.m. Power Technologies

Event no. 3 2 June 2016 p.m. Smart Solutions

The Technology Sharing 2016 aims to promote collaborations with E&M Trades, Local Universities, Client Departments and exchanging **EMSD** latest and advance engineering for developments technology in order to achieve services excellence to the community.

Venue: Room 7103A, EMSD HQs. 3 Kai Shing Street, Kowloon, Hong Kong

For enquiry: Please contact Mr. KT WONG at 3757 6056.





Event no. 1 - Smart City Sharing Session (HKSTP) Date: 4 May 2016 (Wednesday)

Programme Details (Session Leader: Ms. Jovian CHEUNG, Tel. 3155 4003)

	<u>Activity</u>	<u>Speakers</u>
2:00 – 2:10pm	Registration	
2:10 –2:20pm	Introduction to HKSTP & Smart Cities	Hong Kong Science and Technology Park (HKSTP) Representatives
2:20 –2:45pm	Enabling Technologies for IoT and Smart Cities	Mr. Dennis LEE ASTRI
2:45 –3:10pm	How Cellular Technology is Enabling Smart Cities	Mr. Colin CHEW Sierra Wireless,
3:10 – 3:35pm	Using Real-Time Analytics to Make Better Decision	Mr. Ken LAW MotherApp,
3:35 – 3:45pm	Questions and Answers	
3:45 – 4:00pm	Break (Demonstration will be held in the open area outside the seminar room)	
4:00 – 4:25pm	Access Authorisation by Optical Screen Security System (OSSS)	Mr. Boris KWOK Thine Creative Ltd.,
4:25 – 4:50pm	Leveraging Cloud Based Technologies and IoT to Gain Efficiencies and Comfort	Mr. Jeff LIN Lirrico
4:50 – 5:15pm	Synchronizing All the Clocks in a Building	Mr. Kenny Yip Accue C., Ltd.
5:15 – 5:30pm	Questions and Answers	

Event no. 2 – Building Information Modelling Date : 10 May 2016 (Tuesday)

Programme Details (Session Leader: Mr. Steve CHAN, Tel. 2808 3593)

	<u>Activity</u>	<u>Speakers</u>
2:00 – 2:10pm	Registration	
2:10 –2:40pm	BIM development roadmap and BIM standards in Hong Kong	Julian LEE Senior Manager, R&D, CIC
2:40 – 3:10pm	BIM applications in private sector building or infrastructure projects in Hong Kong International Airport	Patrick C. K. YIP Deputy GM, P&P, AAHK
3:10 – 3:40pm	The BIM journey in Architectural Services Department	Kevin Pui K. LI Senior Architect, ArchSD
3:40 – 3:50pm	Questions and Answers	
3:50 – 4:05pm	Break	
4:05 – 4:35pm	BIM – Moving Stakeholder Engagement from Visualisation to Operation & Maintenance	Clement H. W Chung Director of M&E, Ove Arup & Partners
4:35 – 5:20pm	BIM applications for building Operation and Maintenance (O&M) and Asset Management: BIM-AM pilot project in EMSD HQs	Steve CHAN SE/P12, EMSD
5:20 – 5:30pm	Questions and Answers	





Event no. 3 – Retro-commissioning Date: 12 May 2016 (Thursday)

Programme Details (Session Leader: Mr. KW KONG, Tel. 2808 3448)

	<u>Activity</u>	<u>Speakers</u>
9:00 – 9:15am	Registration	
9:15 –9:40am	Retro-commissioning - a Way for System Optimization	Ir Kenneth S.K. LI Director, Building MEP, China Region, Parsons Brinckerhoff (Asia) Limited
9:40 –10:05am	Case sharing on Retro-commissioning leading to Energy Optimization Solution on HVAC Control System	Ir Antonio CHAN Executive Director, REC Engineering Company Limited REC Green Technologies Co., Ltd.
10:05 – 10:15am	Questions and Answers	
10:15 – 10:30am	Break	
10:30 – 10:55am	Experience sharing on conducting Retro-commissioning at Lok Fu Plaza	Ir Eric HO Senior Project Manager, Link Asset Management Ltd.
10:55 – 11:20am	Experience sharing on HVAC system Control Optimization	Ir Franco MOK Assistant Energy Services Manager, Energy & Automation, ATAL Building Services Engineering Ltd
11:20 – 11:45am	Energy Conservation and Re-commissioning on HVAC System	Dr Paul SAT, Head of Research and Public Education, Hong Kong Green Building Council Limited
11:45 – noon	Questions and Answers	

Event no. 4 – Air-conditioning Date: 12 May 2016 (Thursday)

Programme Details (Session Leader: Mr. Wilson HY MA, Tel. 3155 4063)

	<u>Activity</u>	<u>Speakers</u>
2:00 – 2:10pm	Registration	
2:10 –2:35pm	Study on Oil Free Chiller	Mr YUEN Kim Sang, SE/H/HKE, EMSD Mr IP Kin Ping, SE/GES/HK, EMSD
2:35 –3:00pm	Mobile Chiller	Ms CHEUNG Man Chit, SE/H/P, EMSD Mr IP Kam Wing, E/H/P1, EMSD
3:00 – 3:10pm	Questions and Answers	
3:10 – 3:30pm	Break	
3:30 – 3:55pm	iBMS	Mr WONG Siu Wah, SE/MUN/H, EMSD Mr YU Tung Chun, E/MUN/H6, EMSD
3:55 – 4:20pm	Energy optimization of chiller plant	Mr ZSA Sing Tak, SE/MUN/MW, EMSD Mr WONG Chin Fai, E/MUN/MW2, EMSD
4:20 – 4:45pm	New generation of refrigerants	Mr NG Tsz Yeung, Eric, MTI, EMSD Mr TAI Tsz Yeung, Aaron, MTI, EMSD
4:45 – 5:00pm	Questions and Answers	





Event no. 5 – Fire Services and Lift & Escalator Date: 2 June 2016 (Thursday)

Programme Details

(Session Leader: Mr. KM LEUNG, Tel. 2773 2526; Mr. WC TAI, Tel. 3757 6067)

	<u>Activity</u>	<u>Speakers</u>
9:00 – 9:30am	Registration	
9:30 –9:50am	An overview on fire engineering approach for building designs in Hong Kong and its critical concerns on AA&I works, maintenance and management	Ms. Annie CHOI Parsons Brinckerhoff (Asia) Limited
9:50 –10:10am	New smoke detectors designed for mitigating unwanted fire alarms	Mr. Angus CHANG Bosch Security Systems Ltd
10:10 – 10:20am	Questions and Answers	
10:20 – 10:40am	Break	
10:40 – 11:00am	Escalator Modernization Solution	<i>Mr. Max WONG</i> Services Development Manager, KONE Elevator (HK) Ltd.
10:55 – 11:20am	Lift Remote Maintenance System	Mr. Samson MS LIU Senior Manager, Mitsubishi Elevator Hong Kong Co., Ltd.
11:20 – 11:40am	Observations and Findings of Independent Audit Inspection Works for Maintenance Services of Lifts and Escalators in Government Premises maintained by EMSD	Dr Ir Leonard CHOW ISPL Consulting Ltd.
11:40 – noon	Questions and Answers	

Event no. 6 – Biomedical and Electronic Date: 16 June 2016 (Thursday)

Programme Details

(Session Leader: Mr. KK MAK, Tel. 2505 0136; Mr. SH CHEONG, Tel. 2808 3502)

	Activity	<u>Speakers</u>
1:30 – 1:45pm	Registration	
1:45 –2:00pm	Biomedical Installation - Latest Application in	Mr. SIU Hiu Fai , Stanley E/H/HKW/3, EMSD
2:00 –3:00pm	Dental Diagnostic Imaging	Ms. Gloria WEI Regional Product Manager Carestream Dental
3:00 – 3:15pm	Questions and Answers	
3:15 – 3:30pm	Break	
3:30 – 4:20pm	Application of Geographical Information System	ITM/P8/2 and EE/P8/5, EMSD
4:20 – 4:45pm	Advanced Technologies on Traffic Management	Charles SO, Executive Director Andy CHAN, Technical Director AECOM
4:45 – 5:00pm	Questions and Answers	





Event no. 7 - Electrical Services Date: 23 June 2016 (Thursday)

Programme Details (Session Leader: Mr. Sammy YEUNG, Tel. 2808 3717)

	<u>Activity</u>	<u>Speakers</u>
2:00 – 2:15pm	Registration	
2:15 –2:40pm	Lighting for more with less @ BEC	Ms Macy WONG, E/EEB7/3, EMSD
2:40 –3:05pm	Advanced Digital Lighting for achieving Energy Efficiency and Operational Efficiency Improvement	To be confirmed
3:05 – 3:15pm	Questions and Answers	
3:15- 3:30pm	Break	
3:30 – 3:55pm	Application of LED in Footbridge Lighting and Floodlight	Mr Steve CHAN, SE/4, HyD / Mr K.K. WONG, EME/P6/2, EMSD /
		Mr Ryan LAW, E/TSCS1/5, EMSD
3:55 – 4:20pm	Application of Smart Metering and Energy Management System in Existing Building	Mr Ryan LAW, E/TSCS1/5, EMSD To be confirmed
3:55 – 4:20pm 4:20 – 4:45pm	Application of Smart Metering and Energy	•



Innovation Technology Sharing

Event no. 1 – Next-Gen Solutions Date : 19 May 2016 (Thursday)

Programme Details (Session Leader: Mr. Stanley WY CHOW, Tel. 3757 6055)

	<u>Activity</u> <u>Speakers</u>	
9:00 – 9:15am	Registration	
9:15 –9:40am	"Internet of Things (IoT) application of environmental sensors for building energy saving and sustainable environment."	Dr Zhi Ning School of Energy and Environment, CityU
9:40 –10:05am	Optimal HVAC system control; Optimal design of HVAC system; Smart energy management and demand response of buildings	Chair Professor Wang Shengwei PolyU
10:05 – 10:15am	Questions and Answers	
10:15 – 10:30am	Break	
10:30 – 10:55am	Energy Generation Scheduling for Microgrids with Renewable and Co-generation	Prof. Minghua Chen СИНК
10:55 – 11:20am	Next generation of smart flexible sensors	Dr Paddy Chan нки
11:20 – noon	Questions and Answers	

Event no. 2 - Power Technologies

Date: 19 May 2016 (Thursday)

Programme Details (Session Leader: Mr. Stanley WY CHOW, Tel. 3757 6055)

	<u>Activity</u>	<u>Speakers</u>
2:00 – 2:10pm	Registration	
2:10 –2:35pm	Power quality monitoring system	Prof. Eric Cheng PolyU
2:35 –3:00pm	Latest advancement in LED and III-V compound semiconductor (GaN) technology for power and wideband RF (beyond Silicon)	Prof. Kei May, Lau HKUST
3:00 – 3:10pm	Questions and Answers	
3:10 – 3:30pm	Break	
3:30 – 3:55pm	Dye-sensitized solar cells for self-powering technologies	Tony Shien-Ping Feng HKU
3:55 – 4:20pm	Primary Frequency Control using Energy Storage Systems	Prof. Angela J.Y. Zhang CUHK
4:20 – 4:45pm	Thermo-Electric Power Conversion	Dr Roy Vellaisam Dept of Physics and Materials Science, CityU,
4:45 – 5:00pm	Questions and Answers	





Innovation Technology Sharing

Event no. 3 – Smart Solutions Date: 2 June 2016 (Thursday)

Programme Details (Session Leader: Mr. Stanley WY CHOW, Tel. 3757 6055)

	<u>Activity</u>	<u>Speakers</u>
2:00 – 2:10pm	Registration	
2:10 –2:35pm	Smart current sensing and metering and smart grid	Prof. Derec Or PolyU
2:35 –3:00pm	Latest advancement in Data Science, AI and Machine Learning (towards Smarter City)	Prof. Qiang, Yang HKUST
3:00 – 3:10pm	Questions and Answers	
3:10 – 3:30pm	Break	
3:30 – 3:55pm	Human Participatory Thermal Comfort Enhancement and Energy Conservation in Buildings	Prof. Wang Dan PolyU
3:55 – 4:20pm	Data Analytic Policy Design for Energy Conservation	Prof. Dahming Chiu СИНК
4:20 – 4:45pm	Precise indoor localization and geo-fencing in heterogeneous wireless environment with Whereami (Case Study: Hospital)	Prof. Gary, Chan (or his delegate) HKUST
4:45 – 5:00pm	Questions and Answers	

