

The Chartered Institution of Building Services Engineers

Hong Kong Branch Correspondence Address:

Room 5, Unit C, 20/F, Ford Glory Plaza, 37-39 Wing Hong Street,
Cheung Sha Wan, Kowloon, Hong Kong



CIBSE
Hong Kong

英國屋宇裝備工程師學會

香港分會通訊地址：香港九龍長沙灣永康街37至39號福源廣場20樓C05室

Tel: +852 8203 3995

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Email: secretariat@cibse.org.hk

Web Site: <http://www.cibse.org.hk>

CIBSE One-day Seminar on Renewable Energy New Development and Technologies in Hong Kong

Date : 13rd December, 2018 (Thursday)

Time : 8:30 am for 8:55 am to 4:30 pm

Venue : Chiang Chen studio theatre, The Hong Kong Polytechnic University

Fee : HK\$850 for CIBSE members;

HK\$1,000 for non-members

The registration fee includes handouts and refreshments.

Programme Highlight:

Renewable energy (RE) Feed-in-tariff (“FiT”) is recently established and promoted to the community in Hong Kong. The scheme of Feed-in-tariff refers to a policy mechanism that aims to promote the uptake of renewable energy. The two power companies will be required to purchase electricity generated from renewable sources from residential/business users whose PV/wind power system is connected to public grid. The idea behind this “feed-in tariff” is to shorten the payback period of the investment and entice more residents and companies to make such purchases, increasing the share of clean energy in the city’s primarily fossil fuel-based power generation. With a new policy scheme that comprises FiTs and renewable energy (RE) certificates, this guaranteed scheme will boost the development of small solar PV systems.

This seminar will provide the most up-to-date information about the renewable energy market and situation in Hong Kong. Our speakers will introduce the development and design of solar power system. Some technical and specific requirements will be addressed and explained. Moreover, the floating photovoltaic systems on reservoirs and ponds overseas which have a growing deployment will also be shared by the experts.

Co-organiser



THE HONG KONG
POLYTECHNIC UNIVERSITY
香港理工大學



DEPARTMENT OF
BUILDING SERVICES ENGINEERING
屋宇設備工程學系

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ATAL Building Services Engineering Ltd
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Speakers' Profile:

Ir Raymond Poon, is the Assistant Director of the Electrical and Mechanical Services Department. He is overseeing the enforcement of regulatory functions and the implementation of initiatives of the Electricity Legislation Division and Energy Efficiency Office. He has been working in the government for over 25 years, with wide spectrum of professional and managerial roles in the areas of electronics and biomedical engineering services, project management, business development as well as regulatory enforcement. Ir POON received his Bachelor of Engineering degree in Electrical and Electronics Engineering and Master of Science degree in Environmental Management from the University of Hong Kong. He is a fellow member of the Hong Kong Institution of Engineers and is now serving HKIE as the Chairman of the Biomedical Discipline Advisory Panel and also a Council Member.

Dr. Tony Lam, is an Associate Director of Building Sustainability of Arup. He was awarded a PhD in City University of Hong Kong for his works in solar radiation, daylighting analysis and photovoltaic system designs. He has extensive experience in tackling environmental & building design, and renewable energy system optimization, with the knowledge of dynamic solar environment and energy efficiency. He is also the expert in sustainable development for both community and building scaled projects, and has handled a number of solar power system projects in East Asia such as Hong Kong and Taiwan. Tony is recently recognized by the industry with winning the HKCIC Young Innovator Award 2017.

Ir Antonio Chan, is currently the Deputy Managing Director of REC Engineering Group oversees the entire operation composed of REC Engineering Co. Ltd., REC Engineering Contracting Co. Ltd., REC (China) Co. Ltd., REC M&E Engineering (Shanghai) Co. Ltd., REC Engineering Co. Ltd. (Macau Branch), REC Building Services (Macao) Ltd., REC Engineering (Singapore) Pte. Ltd., REC Green Technologies Co. Ltd., REC Green Energy Solutions Co. Ltd., REC Environmental Technology (Guangzhou) Co. Ltd., and Tin Sing Chemical Engineers Ltd.

Antonio has been in the industry for more than 30 years and has been working in various professions including consultants, contractors and developers. He has been working in Hong Kong, China Mainland, Singapore as well as United Kingdom.

Antonio also serves in numbers of professional bodies including Director of the Hong Kong Green Building Council, Fire Services Statutory Advisory Group to FSD, Ventilation Liaison Group to FSD, Member of the Energy Efficient Code of Practice Committee to EMSD, Vice President of Hong Kong Energy Conservation Association, President of the Hong Kong Air Conditioning and Refrigeration Association, Council Member of the Federation of Electrical and Mechanical Contractor Association, Committee Member of the Industrial Liaison Group to the SCOPE of City University Hong Kong, Member of the Departmental Learning Outcomes Assessment Committee of the Department of Mechanical Engineering HK Polytechnic University, Member of the Appeal Tribunal Panel under Section 45 of the Building Ordinance (Cap 123), Member of Electricity Ordinance (Chapter 406) Appeal Board Panel, Building Services Division of the HKIE (Past Chairman) and Member of the Guangzhou Association for Science and Technology.

Dr. C.Y. Chan received Ph.D. from the University of Hong Kong and worked in CLP Power Hong Kong Ltd over 14 years. He is currently an Analytical Engineer in Asset Management and he has experience in power system operational planning and power system analysis.

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Prof. Yang Hongxing received his BEng in 1982 and MEng in 1985 in the Division of HVACR Engineering of Tianjin University, China. He obtained his PhD in 1993 in the Mechanical Engineering Department, University of Wales College of Cardiff, UK. He is now leading the Renewable Energy Research Group (RERG) in the Department of Building Services Engineering, The Hong Kong Polytechnic University. His research interests cover a number of R&D topics in renewable energy applications and energy saving in buildings in urban areas including solar photovoltaic integration in buildings, indirect evaporation cooling, ground-coupled heat pumps and solar cell related materials. He has completed a number of research projects in recent years. He has over 400 academic papers and 6 professional books published. According to the Shanghai Ranking's Global Ranking of Academic Subjects 2016 through Elsevier, he was on the list of 150 world most-cited researchers with impactful research in the disciplines of Civil Engineering. He was also on the list of the "Highly Cited Researchers 2017" reported by Clarivate Analytics. He is serving the International Journal of Applied Energy as associate editor, International Journal of Low Carbon Technologies as section editor and other international journals as editorial board member. He has been elected as the founding president of the Solar Energy Society of Hong Kong in 2018.

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Program:

8:30 – 8:55	Registration	
8:55 – 9:00	Opening Address	Mr. Stanley Chow (2018/18 Chair of CIBSE HK Branch)
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Session 1		
9:00 – 10:00		Unleashing Renewable Energy Potential in Hong Kong - FiT and More? (by Ir Raymond Poon, Assistant Director of EMSD)
10:00 – 10:30		Technical requirements of Grid Connection for Renewable Energy System to CLP Power system (by Dr. CY Chan, Analytical Engineer of CLP)
10:30 – 10:45		<i>Questions & Discussion</i>
10:45 – 11:00	<i>Coffee Break</i>	
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Session 2		
11:00 – 12:00		Development of building-integrated photovoltaics for solar energy applications (by Prof. Yang Hongxing, Professor of HKPU)
12:00 – 12:15		<i>Questions & Discussion</i>
12:15 – 13:45	<i>Lunch</i>	
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Session 3		
13:45 – 14:45		The comprehensive design & implementation approach of solar power system in subtropical Hong Kong (by Dr. Tony Lam, Associate Director of Arup)
14:45 – 14:55		<i>Questions & Discussion</i>
14:55 – 15:10	<i>Coffee Break</i>	
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Session 4		
15:10 – 16:10		Floating PV Panels – Installation and Challenges (by Ir Antonio Chan, Deputy Managing Director of REC)
16:10 – 16:20		<i>Questions & Discussion</i>
16:20 – 16:30	Closing Address	Mr Gary Chiang (2018/19 Conference Coordinator – HK Branch)

Language: English

Registration & Enquiries: Please return the reply slip together with the cheque for registration fee. Applications will be accepted on a first-come-first served basis. **The deadline of application is 3rd December 2018.** Successful applicants will be notified by email. For enquiry, please contact Ms Rainbow Lai at Tel. 8203 3995.

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REPLY SLIP

To: Ms. Rainbow Lai (CIBSE HKB Secretariat)

Fax no. 3793 3379

Application for
CIBSE One-day Seminar on
Renewable Energy New Development and Technologies in Hong Kong

13rd December 2018 (Thursday)

Name : Dr / Mr / Mrs / Ms / Miss

CIBSE member Membership No. : _____

Telephone (Office): _____ (Mobile): _____ Fax No.: _____

Email address : _____

Company Name : _____

Date : _____

Notes:

1. All CIBSE Members are reminded to fill in their membership number for verification. The organizer reserves the right to register as non-member application if no CIBSE membership number is provided. Priority will be given to CIBSE members.
2. Cheque payable to "The Chartered Institution of Building Services Engineers Hong Kong Limited" should be sent together with the reply slip to the following address:

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Room 5, Unit C, 20/F, Ford Glory Plaza, 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon,
Hong Kong
Attn.: Ms. Rainbow Lai (CIBSE HKB Secretariat)

Cheque of unsuccessful applicants will be returned.