

**Organizer**



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**Target Settings and Classification of Building Energy Use and Urban Microclimate Design to Mitigate the Adverse Impact of Climate Change & Commissioning in Building Operations and Maintenance : Introduction to MBCx**

**Date** : 20 June 2018 (Wednesday)  
**Time** : 2:00 PM – 5:45 PM Seminar (Registration will start at 1:15 PM)  
**Venue** : MGM Macau (Level 1 – Ball Room No.3)

**Seminar Program :**

1:15PM – 1:50PM	<b>Registration</b>
1:50PM – 2:00PM	<b>Welcome Address and Opening Speech</b> <i>Mr. Syed Mubarak, President ASHRAE MACAO Chapter</i>
2:00PM – 3:30PM	<b>Target Settings and Classification of Building Energy Use and Urban Microclimate Design to Mitigate the Adverse Impact of Climate Change</b> <i>Dr Benny Chow, BEAM Pro (NB, EB, BI, ND), LEED AP BD+C (USGBC), Energy Group Leader of ASHRAE (HKC)</i>
3:30PM – 3:50PM	<b>Tea Break</b>
3:50PM – 5:20PM	<b>Commissioning in Building Operations and Maintenance: Introduction to MBCx</b> <i>Mr. Eric Ao, CEM, CMVP, and CAP, Senior Energy Consultant, Energenz Ltd.</i>
5:20PM – 5:35PM	<b>Question and Answers</b> <i>Moderated By: Mr. Syed Mubarak, President ASHRAE MACAO Chapter</i>
5:35PM – 5:45PM	<b>Closing Address and Awarding</b> <i>Mr. Edmund Lei, President – Elect ASHRAE MACAO Chapter</i>

<b>Language:</b>	English
<b>Fee :</b>	<b>Free of Charge</b>
<b>Seat :</b>	70 ; First Come, First Served
<b>Remark:</b>	3-Hour CPD certificate will be provided and distributed after the Technical Seminar. (Remarks: CPD Application to Macau Government CAEU 建築、工程及城市規劃專業委員會 is in process.)

**Sponsors :**



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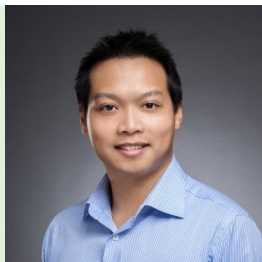
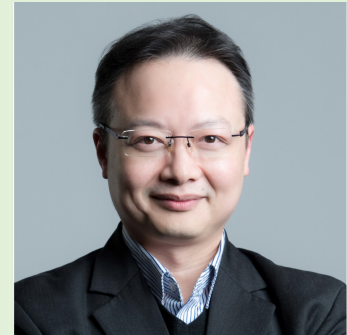


**Registration & Enquiry**

Number of participants is limited and prior registration is required. Fill in registration form attached to [info@ashrae-macao.com](mailto:info@ashrae-macao.com). The deadline of registration is on **18 June 2018 (Monday)**, failure to meet deadline would have attendees register on site but subject to limited seats and late certificate issuance. Successful members for the Technical Seminar will be notified by e-mail on or before **19 June 2018 (Tuesday)**. For enquiry, please contact Mr. Dickson Yeung at [info@ashrae-macao.com](mailto:info@ashrae-macao.com) (852) 6399 5643 / (853) 6288 5380.

**Distinguished Speakers**

**Dr Benny Chow** is an award-winning sustainable design expert with worldwide project experience and a GB Faculty, BEAM Pro (NB, EB, BI, ND), LEED AP BD+C (USGBC), Energy Group Leader of ASHRAE (HKC), the Member of the Board of Directors, and the Chairman of the Industry Standards and Practices Committee (ISPC) of the Hong Kong Green Building Council (HKGBC), an appointed committee member of BEAM Expert Panel. Dr. Chow is the national committee member and expert panel member of the China Green Building Council, and served as the Regional Roundtable Representative of the US Green Building Council. As the Director of Sustainability at Aedas, Dr. Chow brings with him more than 22 years of experience in Sustainable Design specializing in computer modeling and analysis, urban wind environment, solar heat gain calculations, global daylight illumination simulation, building energy modeling, and air ventilation assessment using Computational Fluid Dynamics (CFD), which strongly strengthened the architectural concept and designs of more than 400+ projects located in 40+ cities that he has worked on. Benny served as an Honorary Associate Professor in the Department of Mechanical Engineering at University of Hong Kong (HKU), Adjunct Associate Professor in the Center for Housing Innovations at the Chinese University of Hong Kong (CUHK), and is currently the Adjunct Assistant Professor of the Faculty of Medicine at CUHK.



**Mr. Eric Ao**, CEM, CMVP, and CAP, has been working in the energy management field for more than 9 years. As a senior consultant, he has led and was a subject matter expert in a variety of projects in the Asia Pacific region, where he helped clients improving building performance while reducing asset management costs. Eric is also a specialist in energy metering and building system integration and a pioneer in monitoring-based commissioning (MBCx), a data-driven practice that leverages big data, IoT, and analytics to elevate engineering minds. He led the team in deploying the biggest monitoring-based commissioning platform in Asia Pacific at MGM Macau.

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