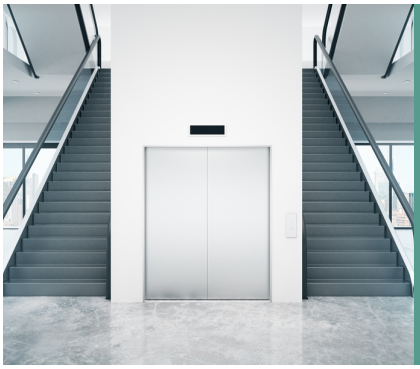
**ORGANIZER:** Asian Institute of Built Environment 亞洲建築環境學院

**SUPPORTING ORGANIZATIONS:** AIIB Asian Institute of Intelligent Buildings; ASHRAE Hong Kong Chapter; BSOMES Building Services Operation and Maintenance Executives Society 屋宇設備運行及維修行政人員學會; cabe chartered association of building engineers Hong Kong Chapter; CIBSE Hong Kong; Chartered Institute of Housing Asian Pacific Branch 特許房屋經理學會亞太分會; CIWEM Chartered Institution of Water and Environmental Management Hong Kong Branch; HKAEE 香港能源工程師學會 Hong Kong Association of Energy Engineers; HKIE The Hong Kong Institution of Engineers 香港工程師學會 Environmental Division 環境分部; HKIE The Hong Kong Institution of Engineers 香港工程師學會 Gas & Energy Division 燃氣及能源分部; HKIQEP 香港環專會; IAEE The International Association of Elevator Engineers (HK-China Branch); IFMA Hong Kong Chapter International Facility Management Association; soe engineering success soe hong kong region 營運工程師學會 香港分會

# 2.5-hour CPD* Charity Seminar - Specialised Hot Topics Related to Built Environment



## MAIN THEMES -

**(A) Latest Lift Engineering Research;**

**(B) The Role of Engineers in ESG**

## EVENT DETAILS

**Date:** 13 April 2024 (Saturday)

**Time:** 3:30 p.m. to 6:00 p.m.

**Format:** Blended mode (AIBE YMT campus / Zoom)

**Venue:** 3/F, Oxford Commercial Building, 494-496 Nathan Road, Yau Ma Tei, Kowloon

**Language:** Cantonese (English presentation material)

**Fee:** HK$50 / head (All collected fee will be donated to Liver Cancer UK#)

## REGISTRATION

#(https://livercanceruk.org/how-you-can-help/#:~:text=Liver%20Cancer%20UK%2C%20which%20is,providing%20support%20and%20influencing%20change.)

Session A speaker :

**Ir Dr. Albert So**

BSc(Eng), MPhil, PhD, CEng, FIMechE, FCIBSE, FSOE, FIPlantE, MIET, SMIEEE, MASHRAE, WELL (AP, Concept Advisor and Faculty), SMCMES, RPE, MHKIE, FHKAAST, APEC & IPEA Engineer

Session B speaker :

**Ir Kelvin Tang**

FHKIE, FHKIESG, FAIIB, FCIBSE, PMHKIQEP, CEMAHK, R.P.E. (BSS, CAI, ENV, ENY, MCL), CEng, BEAM Pro, REA, Qualified Person (WSD), RCx Pro

Enquiry **2376 1933 / www.aibe-edu.org**

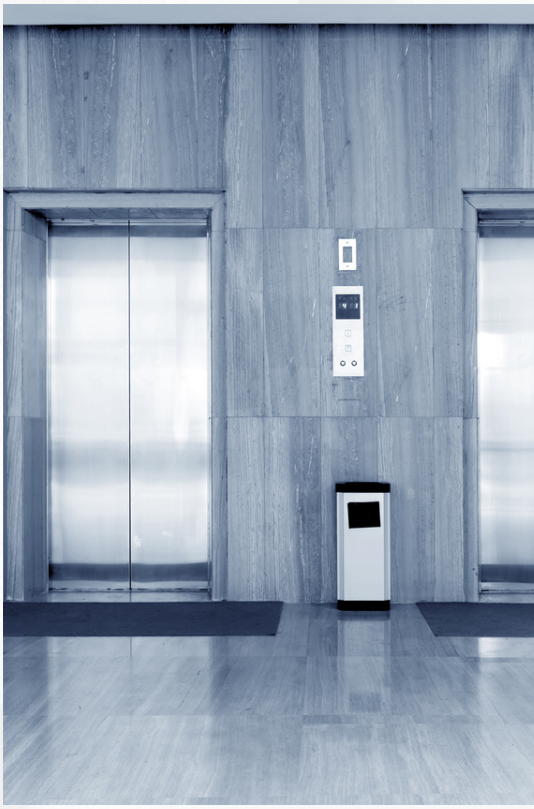
*For environmental consideration, e-CPD-certificate will be issued. Printed CPD certificate will only be arranged upon request and will be dispatched at AIBE counter only.

**ORGANIZER:** **SUPPORTING ORGANIZATIONS:**

In the memory of Dr. Tony Sung (CEng, FICBSE, FIET) who received a Silver Medal award in 2022 from CIBSE for his contribution to CIBSE Electrical Services Group for over 22+ years. Dr. Sung contributed wholeheartedly in education, research and professional bodies; sadly, he left us in February 2024. All collected fee of this CPD will be donated to charity in UK without any deduction of any cost and handling fees. BENEFICIARY : Liver Cancer UK
(https://livercanceruk.org/how-you-can-help/#:~:text=Liver%20Cancer%20UK%2C%20which%20is,providing%20support%20and%20influencing%20change.)

# SESSION A-
# New Research Outcomes in Lift Engineering (TPF, BEPI and Universal RTT)

## INTRODUCTION:



Three topics, all being original research outcomes of the speaker, will be discussed. The first two topics, TPF (Total Power Factor) & BEPI (Benchmarking Energy Performance Indicator), are mentioned in the Building Energy Code. A new method on estimating the TPF of an unbalanced 3-Phase-3-Wire system normally used in a lift system had been developed, thus solving a long-lasting problem in the Code. A new benchmarking indicator to compare energy performance (BEPI) of different lift systems had been suggested, simulated and validated, which appears in a couple of technical guides of the Code.

RTT (Round Trip Time) estimation during up-peak traffic has been a standard method in the literature for decades, such as in the CIBSE Guide D. Originated by Prof. Lutfi Al-Sharif and improved by the speaker, a new method of RTT estimation named Universal RTT that can take care of up-peak, down-peak and interfloor traffic conditions was developed.

## MORE ABOUT THE SPEAKER

Ir Dr. Albert So is the founding and incumbent Director of AIBE. Throughout the past three decades, he has been researching in different areas of lift engineering and has published over 70 technical papers in international academic journals and conference proceedings, related to lift engineering. He founded the Hong Kong - China Branch of the International Association of Elevator Engineers in 1992 and is the Scientific Advisor and Executive Committee Member of IAEE headquarters. Also, he has been serving in various tribunals, task forces and working committees of code enforcement of lift systems established by the government. Now, he is Chairman of the Working Group of Lifts and Escalators of the Building Energy Code.

### Ir Dr. Albert So

BSc(Eng), MPhil, PhD, CEng, FIMechE, FCIBSE, FSOE, FIPlantE, MIET, SMIEEE, MASHRAE, WELL (AP, Concept Advisor and Faculty), SMCMES, RPE, MHKIE, FHKAAST, APEC & IPEA Engineer

**ORGANIZER:** **SUPPORTING ORGANIZATIONS:**

# SESSION B-
# The Role of Engineers in ESG (Environmental, Social, and Governance)

## INTRODUCTION:

Engineers have a crucial role in addressing ESG considerations across industries. ESG encompasses criteria used by investors and stakeholders to assess a company's environmental, social, and governance impact. Engineers contribute through designing sustainable solutions, considering social impacts, and promoting good governance. They develop eco-friendly technologies, engage with communities, and foster ethical practices within organizations.

The seminar will offer valuable insights on how engineers can greatly influence ESG considerations. Their technical expertise, problem-solving abilities, and commitment to sustainable development are key in shaping a future that is environmentally responsible, socially inclusive, and ethically governed.

## MORE ABOUT THE SPEAKER

### Ir Kelvin Tang

FHKIE, FHKIESG, FAIIB, FCIBSE, PMHKIQEP, CEMAHK, R.P.E. (BSS, CAI, ENV, ENY, MCL), CEng, BEAM Pro, REA, Qualified Person (WSD), RCx Pro

Ir Kelvin Tang has amassed over 30 years of experience in the Energy (ENY), Environmental (ENV), and Building Services (BS) Industries. With a strong technical background in energy efficiency, he actively promotes Green & Sustainable building technology. He served as Chairman at AIIB from 2014 to 2016 and as Chairman of the Environmental Division in HKIE from 2017 to 2018. Currently, he holds the positions of Council Member at HKIE and member of the Engineers Registration Board (ERB). Additionally, he is a Professional Review Interviewer for HKIE and CIBSE. Ir Kelvin Tang is an adjunct professor and serves as a course advisor for the Green Engineering and Sustainability program at THEi. He has been appointed as a member of the Industrial Advisory Panel (IAP) for AIBE BSE courses and as a Professional Development Consultant of the AIBE. Furthermore, he actively contributes to various tribunals, task forces, and working committees in BD and EMSD.

## AGENDA

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|---|---|
| 3:30 p.m. - 4:40 p.m. | Session A |
| 4:40 p.m. - 4:45 p.m. | Break |
| 4:45 p.m. - 5:55 p.m. | Session B |
| 5:55 p.m. - 6:30 p.m. | Q & A Session |