

Technical Seminar on the Low Carbon Passive Design for Building

Details

Date : 15 December 2023 (Friday)
Time : 6:45pm – 8:00pm (Registration at 6:35pm)
Venue: (Online) Zoom;
(Physical) Chan Yat Mei Sophie Room, 9/F, HKIE HQ, Causeway Bay

Programme Highlight:

The low carbon pass design for building will cover two topics presented by the guest speakers: (i) circular building; and (ii) building envelope & energy efficiency. Below are the highlights:

Part 1 – Circular Building

A “circular building” is a development, use and reuse of buildings, areas, and infrastructure, without avoidable depletion of natural resources, pollution of the environment or negatively impacting ecosystems. It improves our use of materials, energy, waste, biodiversity, health, and society. Circular building design strategies for extended longevity, dematerialisation, repairability, adaptability, and eventually demountability will be outlined in the sharing.

Part 2 – Building Envelope x Energy Efficiency

As reported, there were around 50, 000 buildings in HK, in which 28% were older than 50 years in 2021, and by 2030, the number will be around to 28%. Buildings contribute around 60% total carbon emissions in HK. Hence, the method of retrofitting would help to improve the carbon emission.

Hong Kong Green Building Council had issued a “Retrofitting Guidebook” in early 2023 to gather different ideas for retrofitting specially by air conditioning for people’s review. At the end of this year, the revision version of the guidebook will be launched. HKIA also joined hands with HKGBC and input some passive design ideas and installation application for the building envelope to demonstrate the passive way to help on energy efficiency. This sharing will present on these suggestions for more discussion.

Guest Speakers:

Speaker 1 - Ar. M.K. LEUNG



Ar. LEUNG is Director of Sustainable Design of Ronald Lu & Partners (RLP Asia), and Principal Behaviorist of RLP Asia’s insight partner, Behave. His team has delivered numerous high-profile projects, including CIC - Zero Carbon Park, a vertical campus for THEi, Treehouse – the firm’s winning entry in the inaugural Advancing Net Zero Ideas Competition, and many consultancy studies on low-energy residential building design, infrastructure design and construction under extreme temperatures, sponge city design, and others.

He was awarded SIA-Uniseal G-Architect Laureate in 2014 by the Singapore Institute of Architects. He has been recognised around the world for his specialised knowledge and integrated skills in sustainable, net-zero building design projects.

Speaker 2 - Ar. Yvonne IEONG In Leng



Ar. IEONG is a Hong Kong and Macau Registered Architect and is the Associate Director (Sustainability) of Leigh & Orange Ltd. She is currently the Chair of HKIA Environment and Sustainable Development Committee (2023-2024)

She served as Member of Hong Kong Environmental Campaign Committee (2012-2018), member of China Green Building Council since 2011; Director of HKGBC (2014-2015) and BEAM Society Limited. (2017-2022). Co-opted member of Hong Kong Professional Green Building Council (PGBC) since 2012 & PGBC Director (2021-2022).

She strives to combat climate change by providing sustainable architectural and interior design with a holistic approach. Her two interior projects had won several Green Awards in the past. She has been participating many pro-bono work for promoting green buildings and green buildings assessment, also the development of Community Space and Countryside. Lately, she is helping on HKGBC Retrofit Guidebook v.2 for the Building Envelope.

Language:

Cantonese with English Terminology

CPD Certificate:

CPD attendance certificate will be distributed to the participants after the seminar by email within one month after the date of event. The organizer reserves the right to disqualify and terminate those non-properly registered participants.

Registration & Enquiry:

The seminar is free of charge and prior registration is required. The number of participants is limited to **70 in person attendees** and **500 online participants**. Members can select the preference for the mode of attendance. For prior registration, please register at the enrolment website: <https://forms.gle/vJpRHYjN5G1BYbQt9>

Application will be accepted on a first-come-first-served basis and priority will be given to members of HKIE Building Service Division (HKIE BSD) and The Hong Kong Institute of Architects (HKIA). Successful members will be informed by a confirmation email on or before 13 December 2023.

For any enquiries, please contact Ms Esther Mak at 2596-4544 or email: hkiebsd.seminar@gmail.com.