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Building Services Operation and
Maintenance Executives Society
屋宇設備運行及維修行政人員學會



Webinar on RetroLogic AI: Empowering Sustainable Building Futures Revolutionizing Building Retrofitting with Intelligent Solutions

Organizer:

Hong Kong Institution of Engineers - Control, Automation & Instrumentation Division (HKIE-CAD)

Supporting Organizers:

Asian Institute of Intelligent Buildings (AIIB)

Building Services Operation and Maintenance Executives Society (BSOMES)

Energy Institute (Hong Kong Branch) (EIHK)

Date, Time & Venue:

Date : 24 January 2024 (Wednesday)

Time: : 6:30pm - 8:00pm (Registration to be opened at 6:20pm)

Venue : Physically at HKIE HQ and Online via Zoom

Programme Highlights:

Embark on a transformative journey with RetroLogic AI, an advanced Artificial Intelligence system tailored for building retrofitting. Developed in collaboration with a distinguished university, RetroLogic AI represents the pinnacle of innovation. It seamlessly integrates smart technologies, energy-saving features, and Fault Detection and Diagnosis (FDD) functionalities, reshaping the landscape of building efficiency and sustainability.

Accolades and Recognitions:

RetroLogic AI has garnered esteemed recognition, receiving the Cyberport Creative Micro Fund (CCMF) 2023 Award. This prestigious accolade, achieved in collaboration with the Hong Kong Institution of Engineers (HKIE) and Cyberport, underscores the system's excellence in driving technological advancements within the building retrofitting domain.

In addition, RetroLogic AI has achieved the Grand Award at the Green Building Award 2023. This prestigious honor, co-organized by the Hong Kong Green Building Council (HKGBC) and the Professional Green Building Council (PGBC), solidifies RetroLogic AI's status as a trailblazer in sustainable building solutions.

Join us for an insightful exploration into the world of RetroLogic AI, where innovation meets sustainability, and witness firsthand how this exceptional system is shaping the future of building retrofitting.

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Speaker(s):

(1) *Dr. Oscar K.C. Chan*

Dr. Oscar K.C. Chan is a Research Assistant Professor at PolyU. He received a postdoctoral research fund in 2016, School of Engineering (SENG) PhD Fellowship Award in 2014, Hong Kong PhD Fellowship in 2011, The Hong Kong Institution of Engineers (Fire Division) Scholarship in 2010 and HKUST Academic Achievement Medal in 2009. With his research achievements have been recognized in various technology and entrepreneurship competition. His research area includes energy and thermal systems, adsorption technology, energy sustainability and thermal fluidic simulation. The latest focus is the integration of RetroLogic AI technologies with HVAC system, optimizing its performance with future prediction.



Under his research, RetroLogic AI, an advanced Artificial Intelligence system tailored for building retrofitting, has earned recognition through the Cyberport Creative Micro Fund (CCMF) 2023 Award, highlighting its innovative contributions to the field.

(2) *Ir Rocky Lau*

Ir Rocky is a professional leading the Building Solutions teams at EnerRight Intelligent Limited. Bringing a wealth of experience and qualifications in system solutions, Ir Rocky specializes in providing consulting and innovative building solutions with a dedicated focus on energy efficiency and sustainable development. Under Ir Rocky's leadership and pioneering approach, RetroLogic AI has achieved significant recognition, notably receiving the prestigious Grand Award at the Green Building Award 2023. This esteemed accolade is co-organized by the Hong Kong Green Building Council (HKGBC) and the Professional Green Building Council (PGBC).



Active in various professional societies, Ir Rocky holds pivotal roles, including Vice Chairman of the Executive Committee at Asia Institute of Intelligent Buildings and Committee Member of Energy Institute Hong Kong. His extensive qualifications cover diverse areas such as MASHRAE, MCIBSE, MEI, MBSOMES, MHKIE, MHKICBIM, MInstMC, FAIIB, FHKCE, FIEAust, APEC Engineer, CEng, CPEng, IntPE, AEE CAP, PMI PMP, RCx Pro, REA, and RPE. Ir Rocky's presentation on the Latest Application of Artificial Intelligence (AI) in the Property Industry is eagerly anticipated. He will delve into crucial topics such as selecting AI systems and exploring their tangible benefits. The session promises valuable insights, including a case study showcasing the practical application of RetroLogic AI, Internet of Things (IoT), Building Information Modeling (BIM), and Fault Detection & Diagnostics (FDD) within the property industry.

Media

Cantonese supplemented with English Terminology & PPT presentation

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Fee and CPD Certificate

Free of charge and the 1.5-hour CPD e-certificate will be emailed to participants within 1 month after the completion of the webinar.

Registration Method

This Webinar is free of charge, and the seats are available on a first-come, first-served basis. For registration, please go through the links below to get ready to complete the Open Enrollment process.

<https://forms.gle/H4aVpggRe62RdpzS7>

The event will be conducted by physically at HKIE HQ and online via ZOOM. Successful registrants will be notified separately via email with the web link in due course to the online event by 24 January 2024. Successful registrations will be notified. Please install the Zoom Application in advance at <https://www.zoom.us/download>.

Enquiry

For enquiry, please contact Ms. Crystal CHAN via Email: crystal.chan.hkie@gmail.com

Remarks:

1. If the Typhoon Signal No. 3 or above / Red Rainstorm Warning is in force during session, or Typhoon Signal No. 3 or above is hoisted within 2 hours before the webinar commences, or the special incident happens, the affected webinar will be postponed.
2. The organizer reserves the rights to amend the terms and conditions without prior notice.
3. In case of any disputes, the decisions of the organizer shall be final and conclusive.

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