

Details

Date : 21 April 2023 (Fri)
Time : 6:45pm (Registration)
7:00pm – 9:00pm

Venue: Room N003 (Lecture Theatre),
The Hong Kong Polytechnic
University

Joint Technical Seminar on Sustainable Hospital Design

Programme Highlight:

Session 1 – Net Zero Energy Hospital Design

Frank Mills

Hospitals have traditionally been high energy users. Recent research has shown that hospitals can be designed and operated as 'Net Zero Energy' or even Positive energy, contributing to their local community's low carbon targets and that this approach can be cost effective and sustainable.

This seminar includes reports from European research, UK based energy targets and North American ambitions to reduce toward zero. It highlights the fact that cost effective technologies already exist but need to be adopted and applied in new and existing facilities. Support such as a proposed new REHVA and ASHRAE design guide on NZE Hospitals is discussed.

Session 2 – Isolation Facilitates in Hospital

Emily Wong

In this technical seminar, the speaker will explore the critical role of HVAC design and infection control in ensuring the safety and effectiveness of isolation facilities for hospitals, including isolation wards, convertible wards (peace mode/pandemic mode), and isolation operation theatres.

The seminar will cover the latest best practices and strategies for achieving precise pressure control, advanced HVAC systems, and effective infection control measures in these critical healthcare environments, with a focus on real-world examples and case studies from leading hospitals and healthcare facilities around the world.

Speakers:



Frank Mills, ASHRAE Distinguished Lecture, Member of the UK Department of Health Engineering Knowledge Group

Frank Mills has spent the past 40 years applying best practice engineering to develop innovative and leading edge solutions to new and existing building projects ranging from individual buildings to multiple, neighbourhood and city wide developments including St. George's Hospital, Tooting's new build Hospital.

Frank is now Principal of Frank Mills Consulting Ltd and provides high level strategic design advice, technical reports and expert witness to clients including hospitals, government bodies, developers and building owners.

Frank is current Chair of CIBSE Preston Centre, Vice Chair of CIBSE North West Region and a member of CIBSE Council. He is a Member of the UK Department of Health Engineering Knowledge Group and Past Chair of CIBSE Healthcare Group. He is chair of the Construction Division of the Institution of Mechanical Engineers.



Emily Wong, Associate Director of WSP (Hong Kong) Ltd.

Emily has over 21 years' extensive experience in Universities, Laboratory, Medical Facilities, Luxury Hotels, Industrial Park, Multi-purpose Commercial Complex Building Projects with global experience in USA, Doha, Dubai, Macau, Vietnam, Bangladesh, Hong Kong and China.

Emily is now Associate Director of WSP (Hong Kong) Ltd and is responsible for buildings services engineering (Mechanical, Electrical & Plumbing) for the Prince of Wales Hospital. In addition to the building systems required for day-to-day operation such as heating, ventilation and air conditioning, water and drainage, lighting, and power, complex healthcare facilities also require specialist systems in area like gas distribution, humidity and infection control.

Language:

English

CPD Certificate:

Only accepted registered participants with over 80% attendance will receive an electronic copy of CPD attendance certificate. Sharing of the register link to others are prohibited and the organizer reserves the right to disqualify and terminate those non-properly registered participants to attend the Seminar.

Registration & Enquiry:

The Seminar is free of charge and prior registration is required. For registration, please complete Registration Form in the following link: <https://forms.gle/q1JYPQMaL5EE84LN6>

Those successful participants are requested to attend the Seminar by their own. Application will be accepted on a first-come-first-served basis. Successful members will be informed by confirmation email before 18 April 2023. Transfer or sharing of the registration is prohibited.

For enquiry, please contact Mr. Tom TUNG at 2766 5835 or email at tomtung.ashrae@gmail.com