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สัมมนาวิชาการ ครั้งที่ 3 (ASHRAE Technical Seminar # 3)

Co-organize a Technical Seminar presented by ASHRAE Distinguished Lecturer Titled: -

1. Presentation Titles: The Fundamentals and Overview of Risk Management for Infection Control for The Environment of Healthcare During construction of Healthcare Buildings.
2. Case Study: Infection Control The Environment of Healthcare During Construction
3. A Selection of Common HVAC Design Problems for Hot & Humid Climate Application
4. Tropicalisation of High Performance Strategies for Hot & Humid Climate Application

Date: Wednesday 18th March 2015

Time: 08:30 – 16:30 hrs.

Venue: **Swissotel Le Concorde
Bangkok**



ใช้เป็นคะแนนสำหรับเลื่อนวุฒิสานัก
วิศวกรต้องได้ CPD อย่างน้อย 18 หน่วย
หลักสูตรนี้รับ CPD Point 1.5 เท่า

By...

**ASHRAE Thailand Chapter
Air-Conditioning Engineering Association of Thailand (ACAT)**

Abstract

1. The Fundamentals and Overview of Risk Management for Infection Control for The Environment of Healthcare During construction of Healthcare Buildings.

Purpose: The purpose of this presentation is to introduce and review the factors regarding Infection Control, emerging infectious diseases, air and waterborne pathogens, MRSA and exposure risks during construction for healthcare facilities and employees during real work time.

Descriptions: This presentation addresses the serious issue of Infection Control Risk Assessment as it pertains to the professional working in the healthcare environment. Attendees learn about the various high risk quadrants in the hospital setting, vulnerable patient populations, and employee exposure risks during real work time. The professional develops an understanding of Infection Control and how it affects their profession from a performance standpoint, meeting compliance requirements for the healthcare environment, client retention, and legal risk.

2. Case Study: Infection Control The Environment of Healthcare During Construction

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3. A Selection of Common HVAC Design Problems for Hot & Humid Climate Application

Merely designing HVAC services to perform basic functions is not adequate for today's expectation. Designers need to be more innovative and research minded to improve on energy efficiency, environmental considerations and sustainability. At the same time, problems arising out of standard type HVAC designs and installations are common, and designers should be knowledgeable to avoid these or fix them. In this presentation, the author will share his experience on selected common HVAC design problems and offer appropriate solutions.

4. Tropicalisation of High Performance Strategies for Hot & Humid Climate Application

Depleting fossil fuels, escalating energy costs and global action on climate change, have accelerated the development and promotion of high performance strategies for the built environment. ASHRAE remains at the fore-front of this development, having first conceived the term High Performance Buildings towards the end of the last millennium. In tandem with the onslaught on the word green, this has since being renamed High Performance Green Buildings. Meanwhile, ASHRAE has relentlessly pursued with developing new standards and guidelines for High Performance Designs and Strategies, aided and supported by extensive global R&D contributions.

Whilst there have been successful direct applications of high performance strategies in the tropics, there has also being some unpleasant results. This paper will discuss the need to tropicalise new high performance strategies to fully benefit from them for hot & humid climate application

About Speakers : **Vorasan Leewattanakit**
Managing Director
Windchill Limited www.windchill.co.th



Career Overview

Vorasan has over 20 years engineering design and construction experience in managing project, specializing in pharmaceutical plant, high containment bio-safety laboratory an strong leadership across all aspects of project management to deliver and complete the project within the given costs, timeframe and meet the quality standards.

Vorasan has the ability to manage the high legislative safety regulations and international quality assurance, specialist in GMP, GLP, PIC/S, BMBL, CDC, JCI and USFDA guidelines and standards. He is the first Asian engineer who earned the ASHRAE certified healthcare facility design professional (HFDP).

Recently Vorasan is Project Director and Managing Director of Windchill Limited

Education

- Master Degree – Marketing, Thammasat University, Thailand (2000)
- Bachelor Degree – Mechanical Engineering (Hons), KMUTT, Thailand (1990)

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Qualifications & Affiliations

- ASHRAE Certified Professional – Healthcare Facility Design Professional (HFDP) USA
- LEED Accredited Professional – Building Design and Construction, LEED AP BD+C, USA
- Registered Professional Engineer (PE) – Mechanical Engineer, Thailand
- NFPA 101 – 2009 Life Safety Code Certificate
- Technical committee of ASHRAE TC 9.6 healthcare facilities (2011 – 2013)
- 2011 – 2012 President, ASHRAE Thailand chapter
- Member of ASHRAE, ISPE and USGBC

**IR TL CHEN F. ASHRAE, FIFireE, FIEM, PEng. CEng, ASHRAE DL
PRIMETECH ENGINEERS SDN. BHD.**

SPEAKER'S PROFILE

Thiam Leong Chen graduated with 1st Class Honours in Mechanical Engineering from the University of Leeds, England, and has been in the building services industry for over 35 years. His project portfolio includes the award winning 'Diamond Building' (2nd place ASHRAE Technology Award 2013). Chen has authored numerous articles and papers on Fire Protection, Smoke Control, HVAC, Refrigerants, EE and Sustainable Buildings. He was involved in the Malaysian EE Master Plan and HCFC Phase-out Master Plan, and sits on National Steering Committees on ODS, BIPV and Energy. In 2009, he led the development of Malaysia's Green Building Rating System – the Green Building Index (GBI). Since then he has continued to develop rating tools for other categories of buildings.

Chen served as President of the Association of Consulting Engineers Malaysia (ACEM) 1999-2001; Institution of Fire Engineers Malaysia 2003-5; ASHRAE Malaysia Chapter 2007/8; Kiwanis Down Syndrome Foundation 1999-2001; and remains as Advisor to the Malaysia Air Conditioning & Refrigeration Association since 2001. In recognition of his contribution to the engineering fraternity, he was honoured with the ACEM Gold Medal Award in 2010.



Target Audiences

1. ASHRAE Thailand Chapter, ACAT Members
2. RHVAC Designer & Consulting Engineers and Contractors
3. University Lecturers in Dept. of Architecture & Engineering
4. End user, Hospitals, HVAC Facilities Engineers, Building Owner and others.



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Agendas -

- 08:30 - 09:00 Registration
- 09:00 - 09:15 Opening Speech: President, ASHRAE THAILAND CHAPTER 2014-2015
- 09:15 - 10:30 The Fundamentals of Infection Control for The Environment of Healthcare During Construction of Healthcare Buildings by... Vorasen Leewattanakit
- 10:30 - 10:45 Coffee-Tea Break
- 10:45 - 12:00 Case Studies: Infection Control The Environment of Healthcare During Construction – by... Vorasen Leewattanakit
- 12:00 - 13:00 Lunch Break
- 13:00 - 14:30 A Selection of Common HVAC Design Problems for Hot & Humid Climate Application by T.L.Chen
- 14:30 - 14:45 Coffee-Tea Break
- 14:45 - 16:00 Tropicalisation of High Performance Strategies for Hot & Humid Climate Application by TL Chen
- 16:00 - 16:20 Questions & Answers
- 16:20 - 16:30 Closing Ceremony: President, Air Conditioning Engineering Association of Thailand

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ใบสมัครสัมมนาวิชาการ ครั้งที่ 3

เรื่อง The Fundamentals and Overview of Risk Management for Infection Control for The Environment of Healthcare During construction of Healthcare Buildings and A Selection of Common HVAC Design Problems for Hot & Humid Climate Application

วันพุธที่ 18 มีนาคม พ.ศ. 2558

ณ ห้อง สโรชา ชั้น 3 โรงแรมสวิสโฮเทล เลอคองคอร์ด ถนนรัชดาภิเษก

ชื่อ.....นามสกุล.....สมาชิก.....
บริษัท..... เลขประจำตัวผู้เสียภาษี.....
ที่อยู่(ในการออกไปเสร็จ).....
โทรศัพท์.....โทรสาร.....E-mail.....

อัตราค่าลงทะเบียน

ชำระเงินภายใน 5 มีค. 58

ชำระเงินหลัง 5 มีค. 58

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|--|--------------------------------------|--------------------------------------|
| <input type="checkbox"/> สมาชิก ASHRAE Thailand Chapter/ACAT | <input type="radio"/> ราคา 2,200 บาท | <input type="radio"/> ราคา 2,600 บาท |
| <input type="checkbox"/> บุคคลทั่วไป | <input type="radio"/> ราคา 2,600 บาท | <input type="radio"/> ราคา 3,000 บาท |

➤ หมายเหตุ

1. อัตราค่าลงทะเบียนข้างต้น รวมค่าภาษีมูลค่าเพิ่ม 7 % ,ค่าเอกสารการบรรยาย , ค่าอาหารว่าง , ค่าอาหารกลางวัน เรียบร้อยแล้ว
2. สมาคมไม่อยู่ในข่ายที่ต้องถูกหักภาษี ณ ที่จ่าย 3 %
3. สมาคมเป็นองค์กรแม่ข่ายของสภาวิศวกร มีหน้าที่ในการจัดกิจกรรมการพัฒนาวิชาชีพวิศวกรรมอย่างต่อเนื่อง ให้การรับรองกิจกรรมและจำนวนหน่วยพัฒนา PDU ของกิจกรรมการพัฒนาวิชาชีพวิศวกรรมอย่างต่อเนื่อง สามารถออกไปรับรองการเข้าร่วมกิจกรรมการพัฒนาวิชาชีพวิศวกรรมอย่างต่อเนื่องได้
4. ติดต่อขอรายละเอียดได้ที่ คุณอรวรรณ, คุณกุลิสรา โทรศัพท์ 02-318-4119, 02-318-4123 โทรสาร 02-318-4120

วิธีการชำระเงิน

- เงินสด ณ ที่ทำการสมาคมฯ
- เช็คสั่งจ่าย “สมาคมวิศวกรรมปรับอากาศแห่งประเทศไทย”
- โอนเงินเข้าบัญชี ธนาคารกสิกรไทย สาขาโลตัส ทาวน์อินทาวน์ บัญชี ออมทรัพย์
ชื่อบัญชี “สมาคมวิศวกรรมปรับอากาศแห่งประเทศไทย” เลขที่บัญชี -644-2-10754-6

กรณีโอนเงินเข้าบัญชีเรียบร้อยแล้ว กรุณาפקซ์เอกสารการชำระเงินพร้อมระบุรายละเอียดชื่อ-ที่อยู่ในการออกไปเสร็จที่ถูกต้อง โดยแนบใบนำฝากมา

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AN INTERNATIONAL ORGANIZATION



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