



The Institution of Engineers, Malaysia

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Pre AGM Talk on “Ultra-Violet Germicidal Irradiation (UVGI System) - A Technology to Prevent HVAC systems from Mold & Fungus.”

Organised by the Environmental Engineering Technical Division, IEM

BEM Approved CPD/PDP Hours: 2

Ref No: IEM15/HQ/219/T

Date: 1 August 2015 (Saturday)

Time: 9.00 am – 11.00 am

Venue: C&S and TUS Lecture Rooms, 2nd Floor, Wisma IEM

Speaker: Mr. Mohan Dhingra

SYNOPSIS

The growth of Mold and bacteria in HVAC are very common and can cause severe problems. On the one hand, they make the indoor air unhealthy and unsafe to breathe, as the air passing through the HVAC systems gets contaminated before getting distributed all over the buildings. This microbe infested air can lead to health problems (commonly known as ‘Sick Building Syndrome’). On the other hand, these bio-films form a jelly like layer on the cooling coils, leading to loss of performance, increase in the pressure drop as well as the operating cost of AHU Fans. This talk will discuss the ill effects associated with the continuous growth of Bio-Films (Mold, Fungus, etc.) and introduce the UVGI Systems as an effective and safe way to eliminate this problem.

BIODATA OF SPEAKER

Mohan Dev Dhingra is the Managing Director of InviroTech Systems Sdn Bhd. InviroTech specializes in providing services and solutions for Indoor Air Quality, Humidity Control and Energy Efficiency. Mohan is a professionally qualified Mechanical Engineer and obtained his M.B.A. from Strathclyde University, U.K on 1987. He has a total experience of 30 years in field of Humidity Control and Energy Conservation in Air Conditioning industry. He has been actively involved in various seminars and industry events that promote Green Building and IAQ concepts. He has been instrumental in introducing several new products and technologies in Malaysian market, including the introduction of Heat Pipes technology as a solution to Humidity Control.

ANNOUNCEMENTS TO NOTE:

- Preferential admission to talk shall be accorded to IEM members (pre-registration and online registration are NOT required). Telephone and/or fax reservation will NOT be entertained.
- **Non-members** may also attend the talk but will need to pay a registration fee of **RM50** and an administrative fee of **RM15**. GST is inclusive.
- For members of affiliated organisations, there will be no registration fee payable. However, they are requested to produce their membership card as proof of membership. For the list of affiliated organisations, please refer to IEM website at www.myiem.org.my under International/MoU.
- Limited seats are available on a "first come first served" basis (maximum 100 participants).
- IEM members are required to produce membership cards for confirmation of attendance (CPD purpose).
- Latecomers will not be allowed to enter if the lecture hall is full nor be entitled to CPD.

*IEM members who fail to produce their membership cards will be charged a fee of **RM25.00**. GST is inclusive.*

ADMINISTRATIVE FEE

- Kindly be informed that an administrative fee of **RM15** is payable for talks organized by IEM. GST is inclusive.
- The fee would be used to cover overhead costs, building maintenance expenses as well as contribute to Wisma IEM Building Fund.
- All contributions will be deeply appreciated by IEM.
- Student Members are however exempted.

Your understanding is greatly appreciated.

CPD HOURS CONFIRMATION

Name:

Membership No:

Signature:

Ir. Santha Kumaran A/L Erusan @Krishnan
Chairman
Environmental Engineering Technical Division, IEM