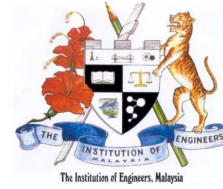




BEM APPROVED
CPD/PDP HOURS: 7
Ref. No.:
IEM10/HQ/039/C



ASHRAE Malaysia Chapter announces a full day seminar on:

COURSE on INNOVATIVE GREEN SOLUTIONS for BUILDING SERVICES

ORGANISED BY
**MALAYSIAN CHAPTER OF AMERICAN SOCIETY OF HEATING, REFRIGERATING
AND AIR-CONDITIONING ENGINEERS, INC. (MASHRAE)**

SUPPORTED BY
BUILDING SERVICES TECHNICAL DIVISION,
THE INSTITUTION OF ENGINEERS, MALAYSIA (BSTD - IEM)

VENUE : Armada Hotel,
Laksamana Ballroom, Level 3
Petaling Jaya

DATE : Thursday, 29th April 2010

TIME : REGISTRATION 08:30am to 09:00am
SEMINAR 09:00am to 17:30pm

COURSE CONTENTS

Green Building Index (GBI) is a profession driven initiative to lead the Malaysian property industry towards becoming more environment-friendly. It is a benchmarking rating system that provides a comprehensive framework to evaluate the environmental impact and performance of buildings based on 6 key criteria relating to sustainability. Buildings will be awarded GBI Platinum, Gold, Silver or Certified ratings depending on the scores achieved. GBI incorporates internationally recognized best practices that will serve to promote environment-friendly buildings for the future of Malaysia.

The seminar intended to offer the participants to understand the available green solutions – building services, from technical perspective as well as the commercial viability in order to incorporate into the green building design.

GBI POINTS ALLOCATION CHART (NON-RESIDENTIAL)



Green Building Index Classification:	
86+ points	Platinum
76 to 85 points	Gold
66 to 75 points	Silver
50 to 65 points	Certified

The seminar commence at 9:00 am and ending at 17:30 pm. The seminar content is as follows;

ENERGY EFFICIENT (EE)

- RENEWABLE ENERGY – Cygnus, Free Wind Free Energy**
 Naturally occurring resources such as wind is a good renewable source, it is as old as mother nature itself. Harnessing these sources has a tremendous potential to reduce energy consumption in buildings. Let's discover the wonder of wind and how it can make the world a better place to stay.
- EE & EQ – TD Duct, Conveying Green Air**
 Delivering air from the air handling units to the breathing space is an art nowadays. Clean air is of paramount importance and delivering it at a lower energy cost rate will definitely increase the bottomline of any organization using it.

INDOOR ENVIRONMENTAL QUALITY (EQ)

- DAYLIGHTING – Solatube, the Miracle of Skylight**
 Bring the radiance and brilliance of sunlight into your home or workplace with the latest technology in day-lighting. An energy efficient and innovative design to transfer maximum amounts of sunlight from your rooftop to your interior for the brightest natural light from sun up to sun down.

MATERIAL & RECOURCES (MR)

- REFRIGERANT & CLEAN AGENTS – Hychill, the Sustainable Solution**
 Thinking outside the box promises plenty of rewards. Going back to natural refrigerants has plenty to offer too. Hydrocarbon was the early refrigerant used in air conditioning and refrigeration industry. It promises high COP, negligible GWP and zero ODP. Is it s sustainable solution?
- REFRIGERANT & CLEAN AGENTS – Nitrogen, the Clean Solution**
 Going clean? Try the Nitrogen solution for your fire fighting needs. Nitrogen promises plenty of benefits where green is of primary concern. The product with zero ODP and low GWP helps building owners greenify their assets.

INNOVATION (IN)

- INNOVATION IN DESIGN – Solar Cooling System**
 Since the peak of solar energy and cooling demand match perfectly, using solar energy to remove the heat load have become technically viable. Incorporated the latest evacuated tube solar collector technologies with actual operation data, solar cooling system is proven to be as well as commercially affordable.
- INNOVATION IN DESIGN – Self Cleaning Facade with NanoTechnologies**
 Minimize the use of chemical detergent or environmental harmful bleach while maintaining the clarity, long lasting, anti-fogging building outlook, nano-technology self cleaning solution offer super hydrophilic effect, anti-bacteria and anti-algae.

PROFILE OF SPEAKERS

RENEWABLE ENERGY – Cygnus, Free Wind Free Energy

Mr. Ong Gin Keat

Is the CEO of Cygnus Power Pte Ltd, a Singapore based company with OEM agreement with partners in Japan and Korea. Cygnus Power designs, manufactures and install unique Vertical Axis Wind Turbine (VAWT) capable to operate at low wind speeds.

EE & EQ – TD Duct, Conveying Green Air

Dr. Kristofer Ho

graduated from University of Birmingham with a PhD in Mechanical engineering. While in UK, he has spent considerable time in the research of advanced alloys and steel materials. His previous research partners include Rolls Royce Plc (UK), Corus Steel (Netherlands) and the University of Birmingham (UK). Upon returning to Malaysia, he was engaged by GT-Gulf (M) Sdn Bhd to be the Technical Specialist to spearhead the company's development in energy efficient and highly effective HVAC products & components for modern application. He has done much research into air movement equipments such as jet fans and air distribution components such as pre-insulated duct.

DAYLIGHTING – Solatube, the Miracle of Skylight

Ms Cyndee Donaher

Ms Donaher obtained a B.Sc in Natural Resource Management. In her career life, she had been involved as an educator, a manager of a Science Technology Centre and the Executive Producer of an interactive education television program. She was the premier dealer for Solatubes in Arizona and currently she is the National Account Manager for Solatube International.

REFRIGERANT & CLEAN AGENTS – Hychill, the Sustainable Solution

Mr. James Fredericks

REFRIGERANT & CLEAN AGENTS – Nitrogen, the Clean Solution

Mr Kok Chen Yang

holds a Degree in Mechanical Engineering from Universiti Teknologi Malaysia (UTM). He is currently Operations Manager of PA Vision Sdn. Bhd., a company which pioneers the usage of environmentally friendly fire suppression systems and upholds the Vision of a green environment for future survival of mankind. He was the design engineer for FM200 systems in the early years, and later involved in project installation and commissioning of gas fire suppression systems. He was also involved in the development and marketing of aerosol fire suppression systems in Malaysia.

INNOVATION IN DESIGN – Solar Cooling System

Engr. Chan Jian Wen

holds a Degree in Mechanical Engineering from UNITEN, Malaysia. He began his involvement in air conditioning industry with Carrier (M) Sdn Bhd as Systems Sales Engineer since 2001 and continues with Emerson Network Power (M) Sdn Bhd. Now, he is the Managing Director for Solar District Cooling Sdn Bhd. as well as the President Elect. of Malaysia Chapter of American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).

INNOVATION IN DESIGN – Self Cleaning Facade with NanoTechnologies

Mr. Tan Seng Ming,

known as Alan Tan is the Managing Director and also the founder of NanoArt Technology Sdn Bhd. NanoArt develop NanoSCS - Nanotechnology Self Cleaning Solution, NanoITS - Nanotechnology Interior Treatment Solution and etc products. Alan has five years of experiences in research and development of Nano technology. As he is keen on green technology, Alan is constantly developing new solutions and method in improving engineering and architecture of corporate buildings and even to home users. Currently NanoArt has captured some green "fans" such as Faber Castell, Toyota, Naza and even kindergarten schools. Thus, he believes green technology is the future in engineering sector.

Disclaimer : Please note that MASHRAE or IEM does not endorse nor confirm on the performance of these products. This seminar is intended to disseminate market availability of products with potential to improve sustainability.

REGISTRATION FORM

To : **MASHRAE**
 44 Jalan PJU 1A/10,
 Taman Perindustrian Jaya
 47200 Petaling Jaya





Tel : 603-7847 4460
 Fax : 603-7847 4460
 E-mail : mashrae.my@gmail.com

NO.	NAME(S)	SPONSOR	MEMBERSHIP NO. (IF ANY)	GRADE	FEE (S)

Registration Fee (Tea and lunch)	Per Person	VENUE : Armada Hotel, Laksamana Ballroom, Level 3 Petaling Jaya
Member (MASHRAE / ACEM / IEM)	RM 250.00	DATE : 29 th April 2010
Non Member	RM 300.00	TIME : REGISTRATION 8:30 am on 29 th April 2010

Please reply or confirm your attendance by 15th March 2010. Registration is on a first-come first-serve basis. Only limited seats are available.

4 EASY WAYS TO REGISTER

-  By Phone : 03-7847 4460 or Call Ms. Jessie Chong 012 – 2861 319
-  By Fax : 03-7847 4460
-  By E-mail : mashrae.my@gmail.com
-  By Mail : MASHRAE, 44 Jalan PJU 1A/10, Taman Perindustrian Jaya, 47200 Petaling Jaya

Enclosed herewith is a crossed cheque No. _____ for the sum of RM _____ issued in favour of "Malaysian Chapter of ASHRAE". (Course fee must be sent with registration form in advance. Delegates may be refused admission if payment is not received prior to the event.)

I/We understand that the fee is not refundable if I/We withdraw after my/our application is/are accepted by MASHRAE but substitution of participants will be allowed. If I/We fail to attend the course, I/We will settle the registration fee in full.

Contact Person : Designation :

Name of Organization

Address

.....

Tel: (O) (H/P) (Fax) (E-mail)

.....
 Date

.....
 Signature