



SEMINAR ON "BEST PRACTICES IN FAN SYSTEM DESIGN FOR HIGH PERFORMANCE GREEN BUILDING – EFFICIENCY, NOISE & VIBRATION"

BEM Approved CPD Hours : 7 hours Ref. No. : IEM12 / HQ / 127 / S

Organised by : Mechanical Engineering Technical Division, IEM

Date : 29th May, 2012 (Tuesday)
Venue : 3rd Floor Tan Sri Prof Chin Fung Kee Auditorium, Wisma IEM, Petaling Jaya, Selangor
Speakers : Miss Goh Swee Lee , AMCA Representative & Prominent Fan Manufacturers
 Ir. Ng Yong Kong
 Ir. Soong Peng Soon

Synopsis of the Seminar :

Various types of fans have been used in building industry for decades. Fan system consumes a large portion of energy of buildings and is the major contribution factor to compliant by occupants in term of noise. Performance rating of fans is therefore beneficial to end users and thanks to international rating agencies such as AMCA (Air Movement and Control Association), many industrial acceptable standards have been established. In view of the present emphasis on green building, a new standard on fan efficiency grade (FEG) has been proposed on energy efficiency classification for fans by AMCA. Issues on noise & vibration of fans have been reviewed as well. In this seminar, the industrial leaders who are some of the forerunners in the new standards will share their views with the audience in designing & specifying fan system for high performance buildings.

Biodata of Miss Goh Swee Lee (B. Eng, MBA, Executive Director, Asia AMCA Pte Ltd)

Miss Goh has more than 20 years of experience in HVAC Industries and currently is the Executive Director of Asia AMCA Pte Ltd, responsibilities include; the administration of AMCA Certified Ratings Program in Asia region from India to Australia and the laboratory testing of Air system's component including fan, FFU, FCU, damper, louver etc according to AMCA standard. The mission of Asia AMCA is to advance the health, growth and integrity of the Asian industry, to develop and maintain standard methods of testing for rating the products of its industries, so as to provide purchasers, specifier and users with authoritative information and recommended practices concerning the selection, application and safe efficient use of these products. Miss Goh completed her Degree in Mechanical Engineering, and a Master of Business Administration from the University of Leicester.

Biodata of Ir. Ng Yong Kong

Ir. Ng Yong Kong is the Regional Vice Chair for Chapter Technology Transfer for ASHRAE Region XIII and is a Registered Professional Engineer with the Board of Engineers, Malaysia (BEM). He is the Past President of ASHRAE Malaysia Chapter and Malaysia Air-Conditioning and Refrigeration Association (MACRA).

Ir. Ng was one of the Energy Consultants for the Ministry of Energy, Green Technology and Water (KeTTHA) on the National Energy Efficiency Master Plan (NEEMP), a member of the working group for the MS1525:2007 and the current update 2012 version, the MPLV Standard for Chillers and was Council and Excomm Member of the Institution of Engineers, Malaysia (IEM).

He is currently the Director of NYK Engineering, Board member for the Malaysia Green Building Confederation and is a Panel Judge Member for the renowned International ASHRAE (USA) Technology Award. He is also a member of the ASHRAE Indoor Air Quality Steering Committee 2010 and is the Malaysia Green Building Index Facilitator, Trainer and Examiner

Biodata of Ir. PS Soong (P Eng, MIEM, MASHRAE, GBIF, GBI Commissioning Specialist)

Ir. Soong Peng Soon graduated from University of Malaya in year 1984 and has more than 28 years in the design, manufacturing, construction and testing of general M&E services especially ACMV system & its components. He is highly regarded for his wide hands-on experience from design, construction, to start-up & maintenance of many prestigious projects. He is a GBI certified Commissioning Specialist (CxS), a Facilitator (GBIF) and a close associate with PAM Architect Centre on building inspection. He is an active member in IEM & SIRIM in establishing and revising a series of Malaysian Standards. Presently he provides commissioning services to many green buildings. He will update the audience on available technologies & their implementation details in green building rating tools. Reference will be made to some of the high end projects he involved.

PROGRAMME

8.30 - 9.00	Registration	13.30 – 15.00	Improving IAQ & Energy Efficiency by Air Flow Measurement by Ir. Ng Yong Kong
9.00 - 10.15	Keynote address by Organising Chairman Fan Efficiency Grade (FEG) & Rating by Madam Goh Swee Lee	15.00 -15.30	Fan Vibration by Ir. Soong Peng Soon
		15.30 – 15.45	Tea Break
10.15 - 10.30	Tea Break	15.45 – 17.00	Performance of Fans Systems in Green Building Rating
10.30 - 12.30	System Effect on performance of fan and AMCA CRP Program by Madam Goh Swee Lee		Tools by Ir. Soong Peng Soon
12.30 – 13.30	Lunch		Q & A Session
			Closing Remarks & Conclusion by Organising Chairman

REGISTRATION FEES

Closing date: 26 May 2012

Normal

IEM Student Member	RM 80.00
IEM Member	RM 100.00
Non IEM Member	RM 400.00

Online

IEM Student Member	RM 50.00
IEM Member	RM 80.00
Non IEM Member	RM 350.00

REGISTRATION FORM

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"BEST PRACTICES IN FAN SYSTEM DESIGN FOR HIGH PERFORMANCE GREEN BUILDING
– EFFICIENCY, NOISE & VIBRATION"
29 May 2012 (Tuesday)

Name(s)	M/ship No. /Grade	Fees
TOTAL AMOUNT PAYABLE		

Company : _____ Contact Person : _____

Address: _____ Postcode _____

Telephone No.: _____ (Off) _____ (Fax) _____ (HP)

Email: _____

Signature _____

PAYMENT DETAILS

Cash Cheque no. _____ for the amount of RM _____ (non-refundable) and made payable to "THE INSTITUTION OF ENGINEERS, MALAYSIA" and crossed 'A/C Payee Only

FOR FURTHER DETAILS, PLEASE CONTACT:

**MECHANICAL ENGINEERING TECHNICAL DIVISION C/O THE INSTITUTION OF ENGINEERS, MALAYSIA
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Important Notes:

For **ONLINE REGISTRATIONS**, payment **MUST BE ONLINE PAYMENT** [viz RHB and Maybank2u -Personal Saving & Personal Current ; Credit Card – Visa/Master ; MEPS FPX - Bank Islam personal account, CIMB Clicks personal account & CIMB Biz Channel business account, Hong Leong Bank Personal Account, Maybank2u Personal Account & Maybank2e Business Account, Public Bank Personal Account and RHB Bank Personal Account]

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For **online registrations**, please note that payment **MUST** be made before the closing date at the latest.

If payment is not received and verified within the stipulated time, the registration fee will be reverted to the normal registration fee.

FULL PAYMENT must be settled before commencement of the event, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non-refundable. IEM reserve the right to reject any L/O not in accordance with these instructions. Registration fee includes lecture notes, refreshment and lunch.