



The Institution of Engineers, Malaysia (Penang Branch)

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BEM Approved
CPD Hour: 6.5
Ref No: IEM12/PG/339/S

One-Day Seminar: "BEST PRACTICES IN JET FAN DESIGN IN ACCORDANCE TO BOMBA GUIDELINES"

(co-organized with the Sub-Committee on Fire Advisory Board, IEM)

Date : 4 January 2013 (Friday)
Time : 9.00am – 5.00pm
Venue : IEM Penang Secretariat

BACKGROUND

The application of jet fan system for smoke control in car park has been replacing conventional ducted system in ever faster pace for last few years. Thus, a guideline on this application has been issued by Jabatan Bomba dan Penyelamat Malaysia (JBPM) at end of June this year. This guideline is a very valuable tool to designer since application of jet fan system for building ventilation & smoke control is still a relatively new topic. Even the Code of Practice on smoke & heat control system for covered car parks of British Standard (BS 7346 Part 7) which had officially included jet fan system (so-called Impulse Ventilation in BS), was only issued in October 2006. JBPM's guideline is the result of many months of joint effort in research and technical discussion by a work group formed by JBPM, ACEM, IFE and IEM. Representatives from PAM has also given their valuable opinion in the final draft of the guidelines. The purpose of this Talk is to disseminate information in this new guideline to fellow IEM members and brief illustration on various clauses of the guideline. IEM Representatives to JBPM work group will try as far as possible to explain important aspects of it though we expect full coverage of such comprehensive guideline may only be possible in another forum or course that may take 4-8 hours in future (now in the planning stage).

BIODATA OF SPEAKERS

Ir Soong Peng Soon graduated from the University of Malaya in 1984 and has more than 26 years in the design, manufacturing, construction and testing of ventilation, HVAC system & components and general M&E services. He is highly regarded for his wide hands-on experience from design to start-up of many prestigious projects. He often shares his experience with professionals in design & trouble shooting of HVAC & general M&E systems. He is one of the IEM Representative to JBPM work group on jet fan system. Presently he provides advisory services to Malaysian and international contractors involved in prestigious projects in Malaysia & overseas. His knowledge in jet fan system was accumulated since many years ago with his wide exposure. He had assisted a major Malaysian main contractor in successful negotiation of a mega project in Middle East that had the one of world first large scale application of jet fans by end year 2005, even before inclusion of jet fan in document BS7346-7. He will be joined by other IEM Representatives to JBPM work group during the Talk.

Ir Dr Kannan M Munisamy graduated from UNITEN in 2000 with Bachelor of Mechanical Engineering (Hons). He then joined UNITEN as tutor. Upon completion of training with TNB as trainee engineer he pursued his Master Degree in Cranfield University, Milton Keynes, UK. He was conferred with Master of Science in (Aerodynamics) specializing in Computational Fluid Dynamics and currently serving as senior lecturer in UNITEN. He has completed PhD in Mechanical Engineering specializing in CFD and experimental on automotive brake application from Universiti Tenaga Nasional in year 2012. With fundamental knowledge of CFD, various industrial consultancy projects were lead and contributed as team member. The consultancy projects including hydro power plant water flow problems, thermal power plant heat transfer related solutions, and air conditioning industry flow cases, high efficiency axial fan development, fire simulations and green building air change effectiveness calculations. Besides that, his expertise is in the area of automotive brake disk design and flow analysis for commercial and race car applications. He has lead couple of Ministry of Science and Innovation (MOSTI) funded projects on the development of brake disk experimental rig in lab located at UNITEN. He is also a member of Center of Advance Computational Engineering (CACE) at UNITEN, Fire Advisory board member (IEM), SIRIM work group member for a few sub-standard in MS standard, IEM, IMechE, and Engineers Australia member. He has published in international and local journals and conferences. He is also reviewer for IMechE journals. He has vast experience operating CFD ACE+, GRIDGEN and FLUENT, commercial CFD software. Special interest is on rotating type of flow simulations. His industrial CFD and thermo-fluid engineering experiences are accredited by Board of Engineers Malaysia and Engineering Council, United Kingdom and Engineers Australia by granting him Professional and Chartered Engineer status

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PROGRAMME

08.30 am	Registration
09.00 am	Session 1
10.00 am	Tea Break 1
10.20 am	Session 2
12.00 pm	Session 3
01.00 pm	Lunch
03.00 pm	Tea Break 2
03.15 pm	Session 4
04.45 pm	Q & A
05.00 pm	End of session

REGISTRATION FORM

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REGISTRATION FEES				
Student	Graduate	IEM Member	Non-IEM Member	Senior IEM Member > 55 yrs
RM 20	RM 50	RM 120	RM 240	RM 120

Registration: on a *'first come first served'* basis.
Closing Date: 28 December 2012

Payment Mode (please tick where applicable)

- online bank-in to: AMBANK Acct#: 002-201-101022-6 (please e-mail/fax receipt to us with attendee(s) name on it)
- crossed cheque in favor of: The Institution of Engineers, Malaysia
- cash to: IEM Penang Secretariat

Closing Date: payment should reach us latest by **28 December 2012**

We wish to register the following person(s) for this seminar.

I/We understand that the fee is not refundable if I/we withdraw after my/our registration is accepted but substitution of participants will be allowed. If I/we fail to attend the course, the fee paid will not be refunded.

#	FULL NAME (s) in CAPITALS	HANDPHONE	IEM #	P E #	FEES (RM)
1					
2					
3					

Name of Organisation

Address:

Tel: Fax: Email:

Contact Person: Designation:

Signature: Date:

Note: IEM reserves the right to cancel the course with full refund

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