

**REGISTRATION FORM**

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Name(s)	Grade & IEM M'ship No.	Fees (RM)
	SUB TOTAL	
	Add GST @ 6%	
Total Amount Payable		

Cheque no. \_\_\_\_\_ for the amount of RM \_\_\_\_\_ (non-refundable) and made payable to "THE INSTITUTION OF ENGINEERS, MALAYSIA". I/We understand that the fee is not refundable if I/We withdraw after my/our application is accepted by the organizing committee as stated in the cancellation term. If I/We fail to attend the seminar the paid registration fee will not be refunded.

**TERMS & CONDITIONS**

- For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [via RHB and Maybank2u –Personal Saving & Personal Current; Credit Card - Visa/Master].
- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN will be considered as NORMAL REGISTRATION
- FULL PAYMENT must be settled before commencement of the course, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participants fail to attend the course, the fee is to be settled in full.
- Fee paid is not refundable. Registration fee includes lecture notes, refreshment.
- The Organizing Committee reserves the right to cancel, alter, or change the program due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. In view of the limited places available, intending participants are advised to send their registrations as early as possible so as to avoid disappointment.

**PERSONAL DATA PROTECTION ACT**

I have read and understand the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said notice.



# HALF DAY SEMINAR ON ENVIRONMENTAL QUALITY (CLEAN AIR) REGULATION 2014

**Speakers by:**

**Mr. Mohd Famey Yusoff**  
**Ir. A. K. Woo**  
**Mr. Tan Poh Aun**

**Organised By:**

**Environmental Engineering Technical Division, IEM**

19 December 2015 (Saturday)

9.00 am – 1.00 pm

Auditorium Tan Sri Prof. Chin Fung Kee, Third, Wisma IEM, Petaling Jaya

**BEM Approved CPD/PDP Hours: 3.5**

**Ref. No.: IEM15/HQ/404/S**

Registration Fees		
Grade	Online Registration	Normal (Offline)
IEM Student Member	RM 50	RM 80
IEM Graduate Member	RM 150	RM 200
IEM Corporate Member	RM 350	RM 400
Non IEM Member	RM 500	RM 600

**Closing Date: 15 December 2015**

*No Online Registration will be allowed after the Closing Date.*

**Important Note: IEM members are required to produce their IEM membership cards for CPD scanning at the start and end of the course.**

## TENTATIVE PROGRAMME

Time	Programme
8.30am – 9.00am	Registration of participants
9.00am – 9.15am	Opening speech by Session Chairman
09.15am - 10.00am	Mr. Mohd Famey Yusoff
10.00am -10.30am	Break
10.30am - 11.30am	Ir. A. K. Woo
11.30am – 12.30pm	Mr. Tan Poh Aun
12.30 – 1.00 pm	Q & A Session

## BIODATA OF SPEAKERS

### **Mr. Mohd Famey Yusoff**

Mr. Mohd Famey Bin Yusoff currently work as a Senior Principal Assistant Director Department of Environment Ministry of Natural Resources and Environment, Malaysia. He obtained his Bachelor Degree in Chemical Engineering, Mc Master University, Ontario, Canada in 1996 and in 2011 he obtained his M. Sc. In Environmental Engineering, Universität Stuttgart, Baden- Württemberg, Germany. Mr. Famey started his career in 1996 as an officer of Land and Mining Unit, EIA Division, Department of Environmental Malaysia (DOE) and have served in the Air and Enforcement Division as well as the Johor State DOE. Currently he is the Head of National Ozone Section, Air Division.

### **Ir. A. K. Woo**

Ir A.K. Woo, a Graduate Mechanical Engineer, a Master in Business Administration (MBA), is a Registered Professional Engineer with Board of Engineers Malaysia, a Member of The Institution of Engineers Malaysia, Fellow Member of Institution of Mechanical Engineers, U.K. and a Chartered Engineer with Engineering Council U.K. And also an ASEAN Chartered Professional Engineer. He is the Founder & Managing Director of MASTER JAYA ENGINEERING SDN BHD Malaysia since 1983 and he has had more than 35 years of practical industrial experience in Industrial Ventilation, Air Pollution Control and Industrial Air Handling Systems. His scope of work & experience include Design, Manufacturing, Installation, and Testing & Commissioning of various types of Industrial Air Handling & Air Pollution Control Equipment & Systems in Malaysia and ASEAN countries.

### **Mr. Tan Poh Aun**

Tan Poh Aun graduated from University of Malaya (UM), Malaysia in 1997 with a Bachelor of Science degree majoring in Chemistry. Upon graduation, he was attached with Perunding Utama Sdn Bhd (PUSB) as an Environmental Chemist and subsequently promoted as a Senior Consultant in 2002. During his tenure with PUSB, he completed his Master of Technology (Environmental Management) from UM in 2002 and attended the

AERMOD, ISC-Prime, and ISCST3 Air Dispersion Modelling with Risk Assessment at United States of America in 2005 under the company sponsorship. With the incorporation of PUSB into WorleyParsons Environmental Sdn Bhd (WorleyParsons) in July 2007, he was one of the Team Leader responsible for mentoring and guiding the Junior Consultants in environmental consulting services. Subsequently, he joined Environmental Resources Management (M) Sdn Bhd (ERM) in early 2009 as Environmental Senior Consultant and currently is the Principal Consultant for SOx NOx Asia Sdn Bhd.

## SYNOPSIS

### **Mr. Mohd Famey Yusoff – CAR 2014**

Environmental Quality (Clean Air) Regulation 2014 (CAR 2014) has been gazetted on the 4th of June 2014 and came into force on the 5th of June 2014. The regulation was enacted in order to replace the 36 years-old, Environmental Quality (Clean Air) Regulation 1978. CAR 2014 will regulate emissions of air pollutants from various industrial activities where the legal requirements and administrative burden differ according to industries' potential to pollute. The new regulation also emphasizes the concept of self-regulation to the regulated community. It requires industries to self-monitor and self-maintain their air pollution control systems, as well as self-reporting of the performance of these systems. Introduction of competent person under CAR 2014 for managing the air pollution control systems will further ensure a high standard of professionalism among practitioner. It is the Department of Environment's hope that the new Environmental Quality (Clean Air) Regulation 2014 will provide a better means to ensure a sustainable air quality management for the country which is in line with the country's aspiration to acquire the status of developed nation by 2020.

### **Ir. A. K. Woo - Air Pollution Control Technologies to Comply With Environmental Quality (Clean Air) Regulations 2014**

As a result of the Environmental Quality (Clean Air) Regulations 2014, which came into force in June 2014, many existing Air Pollution Control Equipment & Systems have to undergo a thorough review and assessment of their air pollutant removal efficiency because of the much more stringent emission standards of this new Regulations 2014. Industries are given five (5) years grace period to comply with the new Regulations 2014. However, all new industries, factories and new installations in existing factories must comply with the new Regulations 2014 immediately. This paper will present a full range of Air Pollution Control Equipment, Systems and Technologies available in Malaysia which are capable of meeting the very stringent air pollutants emission standards stipulated in the Clean Air Regulations 2014.

### **Mr. Tan Poh Aun - Environmental Quality (Clean Air) Regulations 2014**

#### **- Designing the Stack**

In the newly gazetted Environmental Quality (Clean Air) Regulations 2014 (CAR 2014), the Guidance Document for Fuel Burning Equipments and Air Pollution Control Systems issued by Department of Environment Malaysia to supplement the CAR 2014 outlines some engineering requirements on stack design. The presentation will highlight some of the important elements regarding the stack design such as Raincap Design, Stack Height Determination Calculation using the Third Edition of the 1956 Clean Air Act Memorandum and Air Quality Modelling. In tandem with the recent development of efficient air pollution control system, the Stackless Air Pollution Control System will also be highlighted.