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REGISTRATION FORM

One-Day Seminar On Cleanroom Technology Overview

23rd September 2016 at TUS and C&S Lecture Room, Wisma IEM

No	Name(s)	M'ship No.	Grade	Fee (RM)*
		Add 6 % GST		
Total Payable				

*Fees MUST be fully paid A WEEK BEFORE the commencement of the course. Bookings by fax from outstations MUST be forwarded with payments at least A WEEK BEFORE the day of the course. Seats could only be confirmed upon payment.

Enclosed herewith a crossed cheque No: _____ for the sum of RM _____ issued in favour of "The Institution of Engineers, Malaysia" and crossed 'A/C payee only'. I/We understand that the fee is not refundable if I/We withdraw after my/our application is accepted by the Organising Committee as stated in the **cancellation term**. If I/We fail to attend the seminar, the paid registration fee will not be refunded.

Contact Person: _____ Designation: _____

Name of Organization: _____

Address: _____

Telephone No.: _____ (O) _____ (Fax)

_____ (H) _____ (HP)

Email: _____

Signature & Stamp

Date

Photocopies are acceptable



The Institution of Engineers, Malaysia

One-Day Seminar On CLEANROOM TECHNOLOGY OVERVIEW

Organized By:

Women Engineers Section, IEM

Date : 23rd September 2016 (Friday)
 Venue : TUS and C&S Lecture Room, 2nd Floor, 2nd Floor,
 Wisma IEM, Petaling Jaya, Selangor
 Time : 8.30 am – 5.00 pm

BEM Approved CPD Hours =
 Ref. No: APPLYING

Registration Fee (GST NOT INCLUDED)

	<u>Online</u>	<u>Normal</u>
IEM Graduate Members :	RM400.00	RM450.00
IEM Corporate Members :	RM300.00	RM350.00
Non IEM Members :	RM800.00	RM900.00

Cancellation Policy

IEM reserves the right to postpone, reschedule, allocate or cancel the course. Full refund less 30% if cancellation is received in writing more than 7 days before start date of the event. No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with prior notification and substitute will be charged according to membership status.

Personal Data Protection Act

I have read and understood 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.

Synopsis

A Cleanroom is an enclosed space in which airborne particulates, contaminants, and pollutants are kept within strict limits. Cleanroom unlike any other facility type, there are limitation and

This seminar presents an overview of the entire cleanroom from introduction to the protocol and safety. The basics of the cleanroom encompass cleanroom system design and considerations, cleanroom general design guidelines, types, components and support systems. Cleanroom protocol and safety is a very important part where how the occupants operate and maintain its functionality. Some lesson learn from the industry will share how to avoid the over cost on operation and maintenance on the cleanroom.

About The Speaker

Ir. Heng, Lee Sun, graduated from University Science of Malaysia in 2008 with a Master of Science in Project Management. In 2002, she obtained Degree with Honors from University Sabah Malaysia in Civil Engineering. She has more than 13 years' experience in construction industry and covered the working experiences in Consultancy, Developer and Multinational Company.

For the past 5 years, Ir. Heng holds the Regional Structural Engineer position responsible for the Assembly Test and Manufacturing (ATM) project and activities across Asia Pacific. Besides, she also the Design Manager for the tool install, base-built, Data Center and Lab project in Penang Malaysia. In her daily job, cleanroom is a part of her job site. Dealing with the cleanroom environment, she has extra caution during design criteria and standard. Currently, Ir. Heng begin her research in materials especially in cement-less concrete green design. She is currently executive committee member for IEM Penang Branch since 2014 and also actively participated in IEM WE, BEM and NGOs activities.

Who Could Benefit From The Course

- C&S Engineers
- M&E Engineers
- Architects
- Graduate

Course Schedule & Outline

08:30 - 09:00	Course Registration
09:00 – 10:15	Session 1: Introduction to Cleanroom <ul style="list-style-type: none">• Overview• What is Cleanroom• Which Industries• Why need Cleanroom• Contaminants Type• Cleanroom Classifications - Cleanliness standards• Q&A
10:15 – 10:30	Tea Break
10:30 – 12:30	Session 2: Cleanroom System <ul style="list-style-type: none">• Cleanroom Design Considerations• Cleanroom General Design Guidelines• Cleanrooms Types• Cleanroom Components<ul style="list-style-type: none">○ Structures & Architecture○ Ceiling, Floor, Wall , Paint○ Systems• Support Systems<ul style="list-style-type: none">○ HVAC○ Electrical○ Pure Water○ High purity Gases○ Process chemicals• Q&A
12:30 – 14:00	Lunch Break
14:00 – 15:15	Session 3: Cleanroom Protocol and Safety <ul style="list-style-type: none">• Purpose of cleanroom protocol and perspective• Sources of Contaminants• Key Elements of Contamination Control• Cleaning Procedure for Cleanroom• Dress Code• Gowning• Entry & Exit• General Cleanroom Regulations• Q&A
15:15 – 15:30	Tea Break
15:30 – 16:30	Session 4: Lesson Learn <ul style="list-style-type: none">• Walkable Ceiling Operation and Maintenance• Cleanroom Extension Design
16:30 - 17:00	<ul style="list-style-type: none">• Feedback / Questionnaires• Q&A

Benefits

- Gain a basic understanding of Cleanroom
- Understand Cleanroom Classification
- Understand the general design consideration and guidelines
- Understand the protocol of entry & exit Cleanroom