

Mechanical Engineering Technical Division  
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Organised by:  
 Mechanical Engineering Technical Division,  
 The Institution of Engineers, Malaysia

## One-Day Intensive Course on “Occupational Safety and Health in Manufacturing Industries”

Speaker by:  
 Dr. Liang Meng Suan & Dr. Tan Yong Chai

Date:  
 9 October 2015 (Friday)  
 9.00am – 5.00pm

Venue:  
 C&S & TUS Lecture Room, 2<sup>nd</sup> Floor,  
 Wisma IEM, Petaling Jaya, Selangor Darul Ehsan

### REGISTRATION:

Name(s)	IEM M'ship No. /Grade	Fees (RM)
SUB TOTAL		
ADD GST @ 6%		
TOTAL PAYABLE		

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Mobile: \_\_\_\_\_ Tel(O): \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

(Please write clearly as the “Confirmation Notification” will be sent via email)

Contact Person: \_\_\_\_\_ Designation: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

### PAYMENT DETAILS

Cash RM \_\_\_\_\_

Cheque no. \_\_\_\_\_ for the amount of RM \_\_\_\_\_  
 (non-refundable) and made payable to “**THE INSTITUTION OF ENGINEERS, MALAYSIA**”  
 and crossed ‘**A/C Payee Only**’.

#### Terms & Conditions:

- For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [via Credit Card]
- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN will be considered as NORMAL REGISTRATION
- For online registrations, please note that **payment MUST be made on 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. If the participant failed to attend the course, the fee paid is non refundable. Registration fee includes lecture notes, refreshment and lunches.
- The Organising 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.

### REGISTRATION FEES (GST NOT INCLUDED)

Grade	Online Fee	Normal Fee
IEM Student Member	RM 150.00	RM 180.00
IEM Graduate	RM 250.00	RM 300.00
Corporate Member	RM 450.00	RM 500.00
Non IEM Member	RM 600.00	RM 650.00

**Closing Date: 6 October 2015**

**BEM Approved CPD/PDP Hours: 6.5**  
**Ref. No: IEM15/HQ/296/C**

**GST is implemented effective**  
**1 April 2015**

#### 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.

## FOCUSING ON

### Statutory Requirements

- Factories and Machinery Act, 1967
- Occupational Safety and Health Act, 1994

### Safety committee and safety policy

- Setting up of safety committee
- Writing up of safety policy

### Machine guarding

- General requirements for work equipment safety
- Machine hazards
- Control measures

### Lone Working

- Main hazards and risks
- Problem facing lone workers

### Hazard identification, risk assessment and risk control (HIRARC)

- Conduct of HIRARC inspection
- Assessment of risks
- Controlling of hazards

## WHO SHOULD ATTEND?

- Manufacturing Engineers
- Consulting Engineers
- Maintenance Engineers
- Project Engineers
- Process Engineers
- New/Trainee Engineers
- Production Engineers
- Maintenance Personnel
- Foremen
- Facility Operation Personnel
- Safety and health officers

## TENTATIVE PROGRAMMED

TIME	PROGRAMME
08:30am – 09:00am	<b>Registration</b>
09:00am – 10:00am	Statutory requirements (Dr.Liang MS)
10.00am – 10.30am	Safety committee and safety policy (Dr.Tan YC)
10:30am – 10:45am	<b>Tea Break</b>
10:45am – 01:00pm	Hazard identification, risk assessment and risk control (HIRARC) (Dr.Tan YC)
01:00pm – 02:00pm	<b>Lunch</b>
02:00pm – 03:15pm	Machine guarding (Dr.Liang MS)
03:15pm – 03:30pm	<b>Tea Break</b>
03:30pm – 05:00pm	Lone working (Dr.Liang MS)
05:00pm	End of Course

## METHODOLOGY

Lectures, Discussion & Workshops to ensure participants have a better understanding of legal requirements on occupational safety and health. The participants are also taught on potential hazards that are prevalent in manufacturing industries. various assessment methods and control measures to eliminate or minimize the risks.

## BIODATA OF SPEAKER

**DR. LIANG MENG SUAN** has extensive experience in Occupational Safety and Health statutory requirements and practices. He has been working with the Department of Occupational Safety and Health for 12 years, enforcing legal requirement on safety and health at workplaces, including factories, installation, pressure vessels, hoisting machines and building construction sites. He is currently Associate Professor with the Faculty of Engineering and Science, Universiti Tuanku Abdul Rahman (UTAR), Sungai Long campus. He obtained his Ph.D and B.Eng (Hons) Mechanical Engineering from University of Liverpool. He is also a registered Chartered Engineer (C.Eng) with the Engineering Council, UK.

Dr. Liang has many years of experience conducting classes on undergraduate and Master degree courses. One of the classes he conducted is Workplace Safety and Health at postgraduate level. He is currently chairman of the Safety and Health Committee for Department of Mechanical and Materials Engineering at UTAR Sungai Long campus.

Dr. Liang has conducted numerous 2-days in-house training courses in “Safety and Health in Office” and “Safety and Health in Laboratories” in UTAR at Kuala Lumpur, Kampar and Petaling Jaya campuses. He has also conducted a 1-day training course on “Safety and Health in Food Industries” for Apollo Food Industry at Jalan Tampoi, Johor Bahru.

**DR.TAN YONG CHAI** received his BEng (Hons) in Mechanical Engineering from University of Portsmouth, UK. He had been working in Japanese manufacturing plants in Singapore for 4 years before he obtained his PhD in Engineering. He joined University Tunku Abdul Rahman as an Assistant Professor since 2006 till now.

He is a registered Chartered Engineer with the Engineering Council and member of The Institution of Mechanical Engineers, UK. He has many years of consultancy experience in pressure vessels safety design.

He is currently a member of the Occupational Safety and Health Committee in the Lee Kong Chian Faculty of Engineering and Science at UTAR.

## 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.