

Engr. Mah Way Sheng (Grad. IEM)  
Chairman  
Young Engineers Section  
c/o The Institution of Engineers, Malaysia  
P O Box 223 (Jalan Sultan), 46720 Petaling Jaya

**Fax No. : 03 – 7957 7678**

## One Day Course on Hazard and Operability Study (HAZOP) for Engineers - A Practical Approach

**26 March 2013**

### REGISTRATION FORM

No	Name (s)	M'ship No	Grade	Fees (RM)
			Total Payable	

Enclosed herewith a 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 registration is accepted by the Committee but substitution of participants will be allowed. If I/we fail to attend the course, the fee paid would not be refunded.

Contact Person : .....  
Designation : .....  
Name of Organization : .....  
Address : .....  
.....  
.....  
Tel (O) : ..... Tel (R) : .....  
Fax No. : ..... E-mail : .....

Signature

Date

BEM Approved CPD/PDP Hours: 6.5  
Ref No: IEM13/HQ/015/C



## One Day Course on Hazard and Operability Study (HAZOP) for Engineers - A Practical Approach

(Organized by Young Engineers Section & Oil, Gas & Mining Technical Division, IEM)

Date : 26 March 2013 (Tuesday)

Time : 9.00 am - 5.00 pm

Venue : C&S/ TUS Lecture Room, 2<sup>nd</sup> Floor Wisma IEM

Speaker: Ir. Razmahwata Bin Mohd Razalli

Registration Fee:

Grade	Normal Registration	Online Registration
IEM Student Member	RM 300	RM 250
IEM Graduate Member	RM 600	RM 500
IEM Corporate Member	RM 600	RM 500
Non IEM Member	RM 700	RM 600

**Closing Date: 22<sup>nd</sup> March 2013**

Online registration and payment must be made before 22<sup>nd</sup> March 2013 or it will be reverted to normal rate.

Registration via LO/PO will be considered as normal rate



## SYNOPSIS

A Hazard and Operability study is a formal and systematic and detailed examination of the process and engineering intensions of new or existing facilities which assesses the hazard potential and effects on the facility as a whole when operation is outside of the design envelope, or individual items of equipment malfunction.

This half day course is designed to educate participants in the HAZOP process from the perspective of a HAZOP team member. It is meant to provide both instruction and workshop sessions so that the participants:

- Are familiar with the concept of 'risk'
- Are familiar with the theory behind HAZOP
- Are familiar with the actual HAZOP workshop process
- Have expectations as to what the HAZOP will (and won't provide)
- Understand what deliverables can be expected from a HAZOP
- Have the opportunity to participate in HAZOP exercise in a safe environment
- Opportunity to share HAZOP experiences

At the end of the session, the participants should:

- Understand the responsibilities of all parties in the HAZOP
- Have experience in a HAZOP session
- Understand the outcomes from a HAZOP session

## TENTATIVE PROGRAMME

8.30am Registration

9:00am Introduction to Process Hazards Analysis

10.30 am Tea Break

11.00 am HAZOP – The Methodology

HAZOP – The Session

1.00pm Lunch

2.00pm HAZOP – The Session

3.00pm HAZOP – The Role Play

4.30pm Summary and Feedback

5.00pm Session end

## BIODATA OF SPEAKER

**Ir. Razmahwata Bin Mohd Razalli** has 16 years of experience in the oil and gas industry, in both design and operations.

He joined ExxonMobil Exploration and Production Malaysia Inc shortly after graduation in 1995. In 1998, he was reassigned to EMEPMI's operations department. His responsibility was to provide technical support to an offshore production facility. His tasks were varied, included troubleshooting day to day challenges, managing retrofit projects, and leading safety cases. He was made the Company's custody metering engineer in 2001, charged with

leading the exercise to ensure the Company compliance with industry and company specifications was enhanced. He was involved in a number of management level committees.

Whilst in Poyry, Ir. Razmahwata has been a Senior Process Engineer for SembCorp's Betara project. He was on secondment to Talisman Malaysia, supporting preliminary work on their Bunga Raya CO2 removal system and authored a mercury management plan. He was seconded as a Senior Process Engineer at Ranthill-Worley, and subsequently provided project management support to Conocophillips Indonesia's (COPI) Singapore Onshore Facilities. He managed the preparation of an operating manual set for Shell Sarawak and lead COPI in compiling a site training program. He has also led Exxonmobil's effort in the upgrading the custody transfer management processes. He has HAZOP leadership experience on offshore facilities. He has recently worked on a secondment providing detailed design services to a tanker to FPSO conversion project in Singapore. He supported ExxonMobil in developing measurement manuals, and leading an exercise to validate 59,000 line items.

He is currently the Director of Synergy Oil & Gas Engineering Sdn. Bhd.

Registration fees cover one set of course notes, refreshments and lunch. **All fees must be fully paid before commencement of the course;** otherwise participant will not be allowed to enter the Lecture Hall. Reservation/Booking by fax or email of intending participants is acceptable with payment being forwarded before the closing date. If a place is reserved and the intended participants failed to attend the course on the date of the event the fee is to be settled in full. Completed registration form accompanied by cheque/PO/MO are to be made payable to "***The Institution of Engineers, Malaysia***" should reach the IEM Secretariat not later than 22<sup>nd</sup> March 2013.

The fee paid is non-refundable. However substitution of participants(s) will be permitted with approval by IEM. In view of the limited places available, intending participants are advised to send their registration as early as possible so as to avoid disappointment. The Organizing Committee reserves the right to alter or change the programme due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes.

If you require further details or clarifications kindly contract the IEM Secretariat at:

**The Institution of Engineers, Malaysia**

**Lot 60/62, Jalan 52/4**

**46720 Petaling Jaya**

**Selangor DarulEhsan**

**Tel No: 03-7968 4001/02 Fax : 03-7957 7678**

**Email Address: [hidayah@iem.org.my](mailto:hidayah@iem.org.my)**