

## Registration Form

### ONE-DAY COURSE ON HAZOP TRAINING FOR TEAM MEMBERS – A PRACTICAL APPROACH

Name of Organisation: .....

Mailing Address: .....

Email : ..... Hand Phone : .....  
 Tel (Office) : ..... Fax : .....  
 Contact Person : ..... Designation : .....

I/We wish to enrol the following person(s) for the above-mentioned Course:

Name	M/ship No.	Reg. Fee (RM)
<b>SUB TOTAL</b>		
<b>ADD GST @ 6%</b>		
<b>TOTAL PAYABLE</b>		

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/are accepted by the Organizing Committee but substitution of participant will be allowed. If I/we fail to attend the workshop, I/we will still pay the registration fee in full.

Signature: ..... Date: .....

## Registration Fee (GST not included)

GRADE	ONLINE	NORMAL (OFFLINE)
IEM STUDENT MEMBER	RM 350	RM 380
IEM GRADUATE MEMBER	RM 700	RM 750
IEM CORPORATE MEMBER	RM 700	RM 750
NON-IEM MEMBER	RM 900	RM 950

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

### 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.

## Correspondence

The Institution of Engineers, Malaysia  
 BangunanIngenieur, Lots 60/62,  
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 46720 Petaling Jaya, Selangor Darul Ehsan  
 Tel No.: +(603) 7968 4001/4002Fax No.: +(603) 7957 7678  
 Email: [sitiaisyah@iem.org.my](mailto:sitiaisyah@iem.org.my) (Ms. Siti Aisyah)

### 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.



## ONE-DAY COURSE ON HAZOP TRAINING FOR TEAM MEMBERS- A PRACTICAL APPROACH

**Date** : 31 May 2016 (Tuesday)  
**Time** : 8:30 am – 5.00 pm  
**Venue** : Hilton Hotel, Petaling Jaya, Selangor  
**Speaker** : Ir. DANARAJ CHANDRASEGARAN

Organised and hosted by  
**Chemical Engineering Technical Division**  
 The Institution of Engineers, Malaysia

### 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 full 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.

**BEM Approved CPD/PDP hours: 7**  
**Ref. No.: IEM16/HQ/201/C**

### Biodata of Speaker

**Ir. DANARAJ** has 19 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 Ranhill-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 Lead Engineer of IGL Services Sdn Bhd.

### Tentative Programme

08:00 – 09:00	<b>Registration &amp; Breakfast</b>	14.00 – 15.00	HAZOP – The Session
09:00 – 10:30	Introduction to Process Hazards Analysis	15.00 – 16:30	HAZOP – The Role Play
10.30 – 11.00	<b>Tea Break</b>	16.30 – 17:30	Summary and feedback
11:00 – 13:00	HAZOP – The Methodology	1730	Session End / <b>Tea Break</b>
13:00 – 14:00	<b>Lunch</b>		