Registration Form

2-DAY COURSE ON "FLUID MECHANICS IMPACTS ON LINE, PUMP & COMPRESSOR SIZING"

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)
	SUB TOTAL	
	ADD GST @ 6%	
	TOTAL PAYABLE	

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 (Subject 6% GST)

GRADE	ONLINE	NORMAL (OFFLINE)
IEM STUDENT MEMBER	RM 400	RM 450
IEM GRADUATE MEMBER	RM 950	RM 1000
IEM CORPORATE MEMBER	RM 950	RM 1000
NON-IEM MEMBER	RM 1200	RM 1300

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.

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

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BEM Approved CPD/PDP hours: 13
Ref. No.: IEM16/HQ/260/C

2-DAY COURSE ON "FLUID MECHANICS: IMPACTS ON LINE, PUMP & COMPRESSOR SIZING"

DATE : 28 NOVEMBER 2016 – 29 NOVEMBER 2016, MONDAY & TUESDAY
(Rescheduled from 01 September 2016 - 02 September 2016)
TIME : 8:30 AM – 5.30 PM
VENUE : Hilton Hotel, Petaling Jaya, Selangor
SPEAKER : Ir. ANWAR BIN AHMAD

Organised and hosted by

Chemical Engineering Technical Division
The Institution of Engineers, Malaysia

Synopsis

During this Fluid Mechanics: Impacts on Line, Pump, and Compressor Sizing course, there will be overview on the impacts of the fluid mechanics while executing line, pump, and compressor sizing by considering design, operational, and maintenance perspective. Appropriate sizing of all these are very important because of the operating cost where there might be damages to the piping, pump(s), and compressor(s) during operation if it is not properly designed. The impact mainly will give impacts due to the vibration which lead to cavitation and vice versa. Furthermore, properly sized of line sizes, pump(s), and compressor(s) can reduce the turn-down time for maintenance as no issues pertaining to vibration and cavitation which may avoid from frequent changing of the parts for both pump(s) and compressor(s). Codes and Standards applicable for the sizing of line, pump, and compressor will be discussed which may affect upstream and/or upstream equipment of the system(s).

Learning Outcomes

- Fundamental of Fluid Mechanics
- Line, Pump, and Compressor Sizing and Correlation among Line, Pump, and Compressor with respect to Fluid Mechanics
- How does Fluid Mechanics will affect to the operating cost of the plant?
- How does flow characteristics will affect to the line, pump, and compressor sizing?
- How to perform hydraulic calculation for new plant and How to evaluate hydraulic calculation for existing facilities especially for revamp study and the impacts of Fluid Mechanics from operational perspective; considerations to be considered during design stage
- Lesson learnt from previous projects on line, pump, and compressor sizing from both design and operational perspectives.

Biodata of Speaker

Ir. Anwar Ahmad is a registered Professional Engineer with Board of Engineer (BEM), Corporate Member with Institute of Engineers, Malaysia (IEM), Corporate Member with Institute of Chemical Engineers, UK (IChemE), Chartered Engineer from Engineering Council, UK with more than eleven (12) years experiences in process engineering in oil and gas industry, mainly in design with engineering firm and operation for technical support during turn around Experienced in process simulations (Hysys, PetroSim, and VMGSim/iCON), heat exchanger rating software (HTRI), flare network backpressure software (FlareNet/Aspen Flare System Analyzer), and flare radiation study software (FlareSim). He's currently freelance process engineer attached to engineering firms based requirement basis when executing projects and also execute projects remotely if required.

Tentative Programme

TIME/DAY	DAY 1 – 28 NOVEMEBR 2016 (MONDAY)	DAY 2 – 29 NOVEMBER 2016 (TUESDAY)
08:30 – 09:00	Registration	*Registration*
09:00 – 10:00	*Fundamental of Fluid Mechanics*	*Codes and Standards*
10:00 – 11:00	*Fluid Mechanics in Process Engineering*	*Case Study*
11:00 – 11:30	*Refreshment Break*	*Refreshment Break*
11:30 – 13:00	*Case Study*	*Flow pattern in Fluid Mechanics*
13:00 – 14:00	*Lunch Break*	*Lunch Break*
14:00 – 15:30	*Line, Pump, and Compressor Sizing*	*Case Study*
15:30 – 16:00	*Refreshment Break*	*Refreshment Break*
16:00 – 17:30	*Hydraulic Calculation*	*Lesson learnt*