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REGISTRATION FORM

ONE-DAY COURSE ON “OFFSHORE SAND SEPARATION: DESIGN, OPERATION AND MAINTENANCE”

(Closing Date: 19 July 2019)

No	Name	M'ship No.	Grade	Fee (RM)
SUB TOTAL				
ADD SST 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 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

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.



**23rd JULY 2019
 (TUESDAY)**

ONE-DAY COURSE ON “OFFSHORE SAND SEPARATION: DESIGN, OPERATION AND MAINTENANCE”

Organised by
 Oil, Gas and Mining Technical Division, The Institution of Engineers, Malaysia

Venue : Auditorium Tan Sri Prof. Chin Fung Kee, 3rd Floor
 Wisma IEM, Petaling Jaya, Selangor
Time : 9.00 am - 5.30 pm
Speaker : Ir. Dr. Eow John Son

BEM Approved CPD/PDP: 6.5 hours

Ref. No.: IEM19/HQ/089/C

REGISTRATION FEES		
	ONLINE	NORMAL (Offline)
IEM Student Member	RM 150.00	RM 200.00
IEM Graduate Member	RM 550.00	RM 600.00
IEM Corporate Member	RM 550.00	RM 600.00
Non IEM Member	RM 800.00	RM 950.00
SST shall be at 6% with effect from 1 March 2019		

IMPORTANT NOTES

- **Closing Date: 19 JULY 2019 (FRIDAY)**
- For **ONLINE REGISTRATION**, payment **MUST BE MADE VIA ONLINE PAYMENT [via RHB Now and Maybank2u - Personal Saving & Personal Current; Any Credit Card - Visa/Master]**. If payment is not received within the stipulated time, the registration fee will automatically be reverted to the normal fee.
- Payment via **CASH/CHEQUE/BANK-IN TRANSMISSION/BANK DRAFT/MONEY ORDER/ POSTAL ORDER/LOU/LOG/WALK -IN** will be considered as **NORMAL REGISTRATION**
- **FULL PAYMENT must be settled before commencement of the event**, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails 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. IEM reserve the right to reject any LOU/LOG not in accordance with these instructions.
- The Organising Committee reserves the right to alter or change the programme due to unforeseen circumstances.

SYNOPSIS

In the upstream offshore oil & gas production, effective and efficient sand separation and management are vital, since the presence of sand particles and solids in wellhead production lines are likely to cause erosion and blockage issues in the subsequent downstream equipment at production platforms. As a consequence, dangerous incidents, such as failures of flowlines, production vessels, pumps and control valves, have a higher risk of occurring. Moreover, oily sands discharged into the sea are also an environmental concern.

This full-day course is designed to educate the participants on the engineering design, operation and maintenance of the technologies for the removal and cleaning of the sands and solids prior to discharge. Proven sand removal technologies, such as wellhead desanders, produced water desanding hydrocyclones, sand fluidizers, and sand cleaning systems are commonly used in the upstream oil & gas production. However, these sand removal and cleaning systems need to be designed and operated correctly to ensure optimized separation performance.

The course will cover the following:

- i. Equipment Engineering Design Philosophy (Principles of Operation, Desander Performance Characteristics),
- ii. Package Description (Review of all package components, Major Design & Engineering Features),
- iii. Equipment Start-up Procedure (Initial start-up/commissioning, Normal start-up),
- iv. Normal Operation Procedure (Operating Parameters, System Monitoring, Solids Removal),
- v. Shutdown Procedure (Temporary Isolation, Prolonged Shutdown),
- vi. Troubleshooting & Maintenance (Routine Maintenance, Liner Removal & Replacement).

At the end of the course, the participants will be able to understand the importance of sand separation processes and how it can be done effectively during the design, operation and maintenance stages.

BIODATA

Ir. Dr. John Eow is a Chartered Engineer (UK) and a Professional Engineer (BEM), with more than 15 years' experience in the Oil & Gas industry, having worked with sand separation and management, produced water treatment, crude oil dehydration-desalting, seawater treatment & injection, and gas processing technologies and equipment. He also conducts lectures in chemical and process engineering at Singapore Institute of Technology. Dr. John obtained his B.Eng in Chemical Engineering (1st Class Hons) and PhD in 1998 and 2002, respectively, from University of Surrey, UK. His PhD work was on electrostatic water-oil treatment technology. Over the years, he has worked as a technology specialist with oil & gas technology-provider companies, such as Global Process Systems (Malaysia), Keppel Offshore and Marine (Singapore), Cameron Process Systems (Singapore, Japan and Malaysia), and EDES Technology Malaysia. His experiences cover a wide range from Technical and Commercial Proposal to Detailed Engineering to Commissioning to Production Improvement & Troubleshooting for oil & gas processes and technologies. He has also conducted technical training and process improvement work for Saudi ARAMCO, SABIC, PETRONAS, Sarawak SHELL, CNOOC, Murphy Oil Sarawak, Husky Oil Energy, GAIL India, Transwater API, CPOC, Boustead-Salcon Water Solutions, etc.

TENTATIVE PROGRAMME

TIME/DAY	DAY 1
08.30 - 09.00	Registration
09.00 - 09.30	Introduction of Speaker and Topics of discussion
09.30- 10.30	Background: Equipment Engineering Design Philosophy
10.30- 10.45	Tea Break
10.45 - 12.00	Process System Package Description
12.00- 13.00	Equipment Start-up Procedure
13.00- 14.00	Lunch
14.00- 15.00	Normal Operation Procedure
15.00- 15.45	Shutdown Procedure
15.45- 16.00	Tea Break
16.00- 17.00	Troubleshooting & Maintenance
16.00- 17.30	Conclusion / Evaluation

* IEM reserves the right to postpone, reschedule, allocate or cancel the course.