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REGISTRATION FORM

TWO-DAY COURSE ON “UNDERSTANDING PROCESS CONTROL FOR OIL & GAS PRODUCTION OPERATORS, TECHNICIANS AND ENGINEERS”
 (Closing Date: 26 March 2018)

No	Name	M'ship No.	Grade	Fee (RM)
SUB TOTAL				
ADD 6% GST				
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.



28TH AND 29TH MARCH 2018
(WEDNESDAY AND THURSDAY)

TWO-DAY COURSE ON “UNDERSTANDING PROCESS CONTROL FOR OIL & GAS PRODUCTION OPERATORS, TECHNICIANS AND ENGINEERS”

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

Venue : Tan Sri Prof Chin Fung Kee Auditorium, 3rd Floor,
 Wisma IEM, Petaling Jaya, Selangor
Time : 9.00 am - 5.00 pm
Speaker : Assoc. Prof Ir. Dr. Zainal Ahmad, Assoc Prof Dr. Syamsul
 Rizal Abd. Shukor, Ir. Dr. Eow John Son

BEM Approved CPD/PDP: 13 hours Ref. No.: IEM18/HQ/046/C

REGISTRATION FEES (SUBJECT TO 6% GST)		
	ONLINE	NORMAL (Offline)
IEM Student Member	RM 150.00	RM 200.00
IEM Graduate Member	RM 600.00	RM 650.00
IEM Corporate Member	RM 700.00	RM 750.00
Non IEM Member	RM 1400.00	RM1500.00
GST will be implemented with effect from 1 April 2015		

IMPORTANT NOTES

- Closing Date: **26 MARCH 2018 (MONDAY)**
- 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

The oil & gas production processes (such as sand separation, produced water treatment, seawater filtration, crude oil and gas treatment) require reliable monitoring and control strategy to maintain optimum operational performance. Moreover, process operations are always being affected by disturbances, which negatively affect product quality and cause unplanned process shutdown. Therefore, a good understanding and competency on the major oil & gas production process operations and control are vital for the production personnel. This 2-day course is designed to educate the participants on the engineering design and process control practices in the oil & gas production processes, such as sand separation, produced water treatment, and crude oil desalting.

The course will cover the following major topics:

- Introduction to Oil & Gas Production Processes (such as sand separation, produced water treatment, crude oil treatment, etc.)
- Basics of Process Control
- Process Characteristics: Static and Dynamic
- Final Control Elements
- Controller Algorithm and Controller Tuning
- Single & Multiple Control Loops

Upon completion, the participants will be able to understand the process control fundamentals related to oil & gas production processes. Moreover, they will have the basic knowledge to apply the process control concepts in monitoring their production process performance, and for better controller tuning to optimize their production outputs.

BIODATA

Associate Professor Dr. Syamsul Rizal Abd. Shukor received his B.Eng (Hons) in Chemical Engineering from University of Bradford, UK in 1997. In 2000, he was conferred M.Sc (Chemical Engineering) by Universiti Sains Malaysia (USM). He received his PhD in Chemical Engineering from University of Newcastle Upon Tyne, UK and specializes in process control and simulation. He is currently an Associate Professor in Chemical Engineering with USM. His research areas are in process control and simulation, process intensification systems, and hydrodynamics of fluid flow in microchannels. He has conducted various training, workshops, seminars, short courses and consultation for chemical & process industries in process control and separation technologies. He has also participated in the Gas Treatment Plant Project Onshore Gas Terminal in Turkmenistan under PETRONAS Carigali, Acid Gas Removal Unit (AGRU) project in TNBR Sdn. Bhd., as well as handling process safety management (PSM) of PETRONAS Sarawak Operation (SKO). He is an active member of Society of Engineering Education Malaysia, Malaysian Automatic Control Engineers Society, and the Custodian of Malaysia Process Control (MyPC) Society.

Associate Professor Ir. Dr. Zainal Ahmad received his B.Eng (Hons) in Chemical Engineering from University of Surrey, UK in 1998. He received his M.Sc in Applied Process Control (distinction) and PhD from University of Newcastle-Upon-Tyne in 2001 and 2005, respectively. He worked as a process engineer in a petrochemical plant before joining USM in 2000. His main research interests include artificial neural network, process modeling, model-based control and neural network applications in chemical processes. He is also a certified trainer from PSMB (TTT/3749), and conduct training, workshops, seminars, short courses and consultation for the chemical & process industries, such as short courses on Aspen simulation, and the Fundamental Process Control and Beyond, Process Control training for UOP and NPK. He also involves in the "AGR System" for Energy and Lab Solution for TNBR.

Ir. Dr. Eow John Son is an Assistant Professor with Universiti Tunku Abdul Rahman, lecturing on oil & gas process engineering subjects. He is a Chartered Engineer, Professional Engineer (BEM), and founder of Innovative Process Consultant. He received his B.Eng (Hons) from University of Surrey, UK in 1998 and obtained his PhD (electrostatic water-oil separation) in 2002 from University of Surrey, UK, and has published many technical papers. Having spent many years working in multinational companies in the UK, Singapore, Japan, India, the Middle-East and Malaysia, he is well-versed in the oil & gas processes and technologies, such as Sand Separation & Management, Produced Water Treatment, Crude Oil Dehydration-Desalting, and Gas Processing for the oil & gas Industry. He has worked from Technical and Commercial Proposal to Detailed Engineering to Commissioning Stage to Production Troubleshooting for oil & gas production processes. He has conducted technical training and consultancy work for Saudi Aramco, SABIC, PETRONAS, Sarawak SHELL, GAIL India, Transwater API, etc.

COURSE SCHEDULE & OUTLINE

TIME/DAY	DAY 1	DAY 2
08.30 - 09.00	Registration	Registration
09.00 – 10.30	Introduction to the Oil & Gas Production Processes	Controller algorithm
10:30– 10:45	Tea Break	Tea Break
10:45– 12:15	Basics of Process Control	Controller tuning
12:15 – 13:00	Hands-on / Exercises / Workshop	Hands-on / Exercises / Workshop
13:00– 14:00	Lunch	Lunch
14:00– 15:30	Final control elements	Multiple control loops
15:30– 15:45	Tea Break	Tea Break
15:45– 16:45	Summary/Q&A/ Feedback	Summary/Q&A/ Feedback
17:00	End of Day 1	End of Day 2

CANCELLATION POLICY

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