

**Agricultural and Food Engineering Technical Division, IEM and
Mechanical Engineering Technical Division, IEM**

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Organised by:
Agricultural and Food Engineering Technical Division, IEM and
Mechanical Engineering Technical Division, IEM

REGISTRATION FOR POWER GENERATION OPERATION (STEAM PLANT OPERATION)

Name(s)	IEM M'ship No. /Grade	Fees (RM)
SUB TOTAL		
ADD GST @ 6%		
TOTAL PAYABLE		

Company: _____

Address: _____

Mobile: _____ Tel(O): _____ Fax: _____

E-mail: _____

(Please write clearly as the "Confirmation Notification" will be sent via email)

Contact Person: _____ Designation: _____

Signature: _____ Date: _____

PAYMENT DETAILS

Cash RM _____

Cheque no. _____ for the amount of RM _____
(non-refundable) and made payable to "THE INSTITUTION OF ENGINEERS, MALAYSIA"
and crossed 'A/C Payee Only'.

Terms & Conditions:

- For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [via Credit Card]
- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN will be considered as NORMAL REGISTRATION
- For online registrations, please note that **payment MUST be made on 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. If the participant failed to attend the course, the fee paid is non refundable. Registration fee includes lecture notes, refreshment and lunches.
- The Organising 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.

**One-Day Course on
"Power Generation Operation
(Steam Plant Operation)"**

Speaker

Ir. Wan Wai Thong

Date

4th October 2017 (Wednesday)

9.00am - 5.30pm

Venue

**Eco Sanctuary, Lot 41296, Persiaran Eco Sanctuary, 42500
Telok Panglima Garang, Selangor**

REGISTRATION FEES (SUBJECT TO 6% GST)

Grade	Online Fee	Normal Fee
IEM Student Member	RM 150.00	RM 180.00
IEM Graduate Member	RM 250.00	RM 300.00
Corporate Member	RM 400.00	RM 450.00
Non-IEM Member	RM 800.00	RM 900.00

Closing Date: 30th September 2017

**BEM Approved CPD/PDP Hours: 7
Ref. No: IEM17/HQ/249/C**

**GST is implemented
effective 1 April 2015**

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.

TENTATIVE PROGRAMME

TIME	PROGRAMME
08:30am - 09:00am	Registration
09:00am - 10:30am	➤ Basic Boiler and related machineries
10:30am - 10:45am	Morning Tea Break
10:45am - 13:00pm	➤ Discussion revolves on boiler water, fuel and its systems, operation, maintenance and ways to improve overall efficiency of it.
13:00pm - 14:00pm	Lunch
14:00pm - 15:30pm	➤ Steam turbine and it related system - It covers the steam turbine basic information, it operation and maintenance
15:30pm - 15:45pm	Afternoon Tea Break
15:45pm - 17:15pm	➤ Basics operation and maintenance and tips to improve boiler efficiency or of the steam plant.
17:15 pm - 17:30 pm	Q & A session

SYNOPSIS

The topic of the course covers on the “Front End” till the “Delivery End” of the power generation operation. “Front End” means fuel intake, while, the “Delivery End” refers to the products, which are steam and electricity. The subject discussed during the course will be on the fuel types used in boiler which covers liquid, gas and more on biomass as it has been the hot topic of the day. Participants will be briefed on the following:-

- Fuel calorific values comparisons.
- The design and requirement of biomass fuel logistic and basic system.
- Types of boilers “water tube” and “fire tube” and its functions in the industry.
- Steam type and quality as the product and in the plant application.
- Boiler combustion and excess air are

Some of the topics covered in Steam Plant Operation includes:

- Water treatment plant, type of treatment and application.
- The sustainable management practice covers the good management practice in a highly and dynamic plant.
- The safety management aspect basic management of the plant.
- Steam turbine related systems and it operation and maintenance issues.

Operation and maintenance issues will be highlighted and discussed as well. More than 50 tips to improve plant efficiency are being listed for discussion. Speaker also will discuss on Factory and Machinery Act (FMA) under Malaysian Law.

BIODATA OF SPEAKER



Ir. Wan Wai Thong was graduated with a Bachelor in Engineering Hons. Agriculture in 1993 from Universiti Putra Malaysia. He worked his way up with the required knowledge and skills in palm oil milling industries. He obtained his 2nd grade steam engineer certificate by DOSH in 1995 and 1st grade steam engineer certificate by DOSH in 1997. In 1996, he obtained his Diploma in Palm Oil Milling and management offered by PORIM. He had worked in power plant for more than 6 years with experience in operation and maintenance of high pressure and temperature power plant, study and monitor boiler efficiency and related machineries. He further his engineering quest by obtaining Professional Engineer certification by Board of Engineer Malaysia (BEM) in year 2011 and is a member of Institute of Engineer Malaysia (IEM). Experienced in managing engineering and contracting works for 2 years.

CANCELLATION POLICY

IEM reserves the right to postpone, reschedule, allocate or cancel the course. Full refund less 30% 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.