

REGISTRATION FORMFax: 03-7957 7678 Email: ruhaida@iem.org.myWebsite: www.myiem.org.my

REGISTRATION:

Name(s)	IEM M'ship No. / Grade	Fees (RM)
Total Amount 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 before the closing date** at the latest.
- If payment is not received and verified within the stipulated time, the registration fee will be reverted to the normal registration fee.
- **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.



Organised by:
**Mechanical Engineering Technical Division,
 The Institution of Engineers, Malaysia**

ONE-DAY COURSE IN "BOILER DESIGN & EFFICIENCY"

By:
Ir. Luk Chau Beng & Engr. Chong Thiam Heng

**28 August 2014 (Thursday)
 9.00am – 5.30pm**

**Venue:
 Tan Sri Prof. Chin Fung Kee Auditorium, 3rd Floor,
 Wisma IEM, Petaling Jaya**

REGISTRATION FEES

Grade	Normal Fee	Online Fee
IEM Student Member	RM 100.00	RM 80.00
IEM Graduate Member	RM 250.00	RM 200.00
IEM Corporate Member	RM 350.00	RM 300.00
Non IEM Member	R M 600.00	RM 500.00

Closing Date: 25 August 2014

**BEM Approved CPD/PDP Hours: 3.5
 Ref. No: IEM14/HQ/274/C**

SYNOPSIS

Boilers are used to produce hot water and steam in various industries such as industrial plants for process, hotels and hospitals for hot water and steam for ironing, sterilization etc, utilities for power generation. Depending on the design, boilers are capable of burning various conventional fuels and waste materials and they are range from small package producing under five tons of steam per hour to several hundred tons of steam per hour in the utility boiler.

The main operating expenditure of a boiler is fuel, hence with the soaring of fuel prices, owners and operators needs to understand right from the design and selection stage till the operating and maintenance stage of the boiler how energy is waste and need to understand how to recover this losses.

Performance of a boiler, like efficiency and evaporative ratio reduces with time due to the poor combustion heat transfer fouling and poor operation and maintenance. Deterioration of fuel and water quality also leads to poor performance. Efficiency testing helps us to find out how far the boiler efficiency drift away from the best efficiency. Any observed abnormal deviations could therefore be investigated to pinpoint the problem area for necessary corrective action. Performance monitoring pays-off in reduced fuel cost.

This course will provide you experiences in boiler design including fire tube & water tube boiler, auxiliary equipment, essential fitting for boiler, steam dryness, emission control equipment and managing Boiler efficiency through vigilant practices in Operation and Maintenance

BIODATA OF THE SPEAKER

Ir. Luk Chau Beng has vast experience in Boilers and Pressure Vessels. Presently he is a Head of Department at a Power Plant, He is the Chairman of the SIRIM'S Technical Committee for Boiler and Pressure Vessels He has lead his team to develop the Malaysian's Inspection and Repair Codes for Malaysia, He has also represented Malaysia in the International Technical Committee meeting overseas to discuss and finalize ISO Codes for Pressure Vessels. In the area of energy efficiency, he has lead the team to develop the energy efficiency guidelines for Malaysian Industries under KeTTHA for Boilers, Thermal Oil Heaters, Furnace, Pumps and Compressors

Engr. Chong Thiam Heng is a Mechanical Engineer graduated from The University of Leeds with BEng (Hons). He spent many years in boiler design, fabrication, commission up to rehabilitation evaluation and proposal of boilers. Presently he is the Engineering Manager in Mackenzie Industries Sdn Bhd designing, manufacturing and commissioning industrial boilers

TENTATIVE PROGRAMME	
0830 – 0900	Registration
0900 – 1030	Understanding issues in boiler design by Engr. Chong Thiam Heng
1030 – 1045	Tea break
1045 – 1300	Experiences in boiler design by Engr Chong Thiam Heng
1300 – 1400	Lunch
1400 – 1530	Managing boiler and steam system efficiency by Ir. Luk Chau Beng
1530 – 1545	Tea Break
1545 – 1700	Managing boiler and steam system efficiency by Ir. Luk Chau Beng
1700 – 1730	Questions and Discussions
1730	Closure

Further Enquiries

If you require further details or clarifications kindly contract the IEM Secretariat at:-
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