

**E Chairman,  
Oil, Gas and Mining Technical Division,  
The Institution of Engineers Malaysia,  
Lots 60 & 62, Jalan 52/4, P.O. Box 223 (Jalan Sultan),  
46720 Petaling Jaya, Selangor Darul Ehsan  
Fax to 03-7957 7678 Email sec@iem.org.my**

**REGISTRATION FORM**

Contact Person: \_\_\_\_\_ Designation: \_\_\_\_\_

Name of Organization: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Telephone No.: \_\_\_\_\_ (O) \_\_\_\_\_ (Fax)

\_\_\_\_\_ (H) \_\_\_\_\_ (HP)

Email: \_\_\_\_\_

\_\_\_\_\_  
Signature & Stamp

\_\_\_\_\_  
Date

**\*Fees MUST be fully paid A WEEK BEFORE the commencement of the course. Bookings by fax from outstations MUST be forwarded with payments at least A WEEK BEFORE the day of the course. Seats could only be confirmed upon payment.**

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.

**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 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



**The Institution of Engineers, Malaysia**

**Two-Days Course On Welding Codes And  
Standards For Engineering Applications**

**Organised By:**

**IEM Oil, Gas and Mining Technical Division**

In Co-operation with



**Date : 23 & 24 March 2011 (Wednesday & Thursday)**

**Venue : TUS Lecture Room, 2<sup>nd</sup> Floor, Wisma IEM**

**Time : 9.00 AM - 5.00 PM**

**BEM Approved  
PDP/CPD Hours = 13  
Ref. No: IEM11/HQ/067/C**

**Registration Fees:**

**Normal**

**IEM Graduate Members : RM1000.00**

**IEM & WIM Members : RM1000.00**

**Non IEM Members : RM1200.00**

### Synopsis

This course is designed to provide an appreciation of ASME and ISO welding codes and standards to those engineers involved in manufacturing and fabrication industries using arc welding technologies. Its objective is to help engineers understand how to apply these welding codes and standards to ensure the welds meet the quality requirements set by these codes and standards. This course will provide general guidelines in applying and interpreting the rules along with case study. It will also benefit participants through the following:

- receive overview of ASME and ISO welding codes and standards
- understand the importance of qualification test in ensuring weld quality
- understand the background of rules and qualification range
- understand the background of destructive and non-destructive tests required for qualification test
- understand the process and approach to qualify a welding procedure specification and welder in the most cost effective and practical way
- understand the background of qualification range of welding procedure specification and welder qualification
- application of qualification range to maximise the benefit of welding procedure specification and welder qualification
- understand the approach to validate a welding procedure specification with respect to welding and fabrication standards and project specification
- understand the weld quality requirements to improve effectiveness of inspection and reduce reject or repair rate
- improve communication between design engineer and welding engineer

### About The Course Leader

Chen Fun Wee graduated with a Bachelor of Engineering (Hons) in Materials & Manufacturing Engineering and a Master of Science in Advanced Engineering from Sheffield Hallam University, United Kingdom. Chen started his career with Ferrorex Industries (M) Sdn Bhd where he was a Heat Treatment Engineer responsible for the provision of heat treatment services to customers in the mould and die industry. He later joined Assab Steel (Malaysia) Sdn Bhd as a Plant Engineer where he managed a team of heat treatment, machining and warehouse staffs and is a tool steels heat treatment process specialist. Chen joined TWI in 2007 and is currently the Engineering Country Manager (Malaysia) of TWI Services Sdn Bhd. In this role, he is responsible for risk based inspection (RBI) assessment and welding engineering activities. He has completed several RBI assessment and implementation projects for power and chemical plants in Malaysia and is familiar with international deterioration rates and remaining life assessment techniques and standards. Chen has completed several welding engineering and fabrication inspection support projects in various industrial sectors and is knowledgeable with international welding fabrication, inspection and qualification standards. He also developed aluminium and stainless steel welding procedure specification for two different manufacturers to comply with international standards and certifications. Chen was also responsible for implementing welding quality related software for a large fabricator in an offshore oil & gas project in Malaysia and developed similar software for two companies in Thailand. In addition to his project responsibilities, Chen also conducts training on RBI and metallurgy. In 2010, Chen was seconded to TWI headquarters in Cambridge, United Kingdom where he worked on several arc welding projects with Consulting and Principal Welding Engineers.

#### **Professional Qualification :**

- CSWIP 3.0 Visual Welding Inspector
- Diploma of International Welding Technologist (IWT)

#### **Professional Membersh :**

- Chartered Engineer (CEng)
- Graduate Member of the Institute of Materials, Minerals and Mining, UK
- Member of The Welding Institute, UK
- Affiliate Member of the Welding Institute of Malaysia (AWIM)

### Course Program

Time/ Date	Programme
<b>23 March 2011 (WEDNESDAY)</b>	<b>DAY 1</b>
0830-0900	Registration
0900-1030	Appreciation of Welding codes and standards being used in various Industry sectors
1030-1045	Break
1045-1215	Coverage and application of ASME and ISO welding codes and standards
1215-1300	Lunch
1300-1500	Introduction of rules and qualification ranges of ASME IX standards
1500-1515	Break
1515-1630	Continue from above
1630-1700	Question and Answers
<b>24 March 2011 (Thursday)</b>	<b>DAY 2</b>
0900-1030	Introduction of function of destructive and non-destructive testing
1030-1045	Break
1045-1215	Introduction of destructive and non-destructive testing requirements
1215-1300	Lunch
1300-1515	Case study of producing welding procedure specification
1515-1530	Break
1530-1630	Case study of validating welding procedure specification with respect to welding code, produce code and project requirements
1630-1700	Question and Answers

