

**Chairman,**  
**Marine Engineering & Naval Architecture Technical Division,**  
**The Institution of Engineers Malaysia,**  
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**46720 Petaling Jaya, Selangor Darul Ehsan.**  
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**REGISTRATION FORM**

**Basic Welding Knowledge in Engineering Construction**

No	Name(s)	M'ship No.	Grade	Fee (RM)*
<b>Total Payable</b>				

**FULL PAYMENT** must be settled before commencement of the course. Otherwise participants will not be allowed to enter the hall. If the place is reserved and the intended participants fail to attend the course, the fee is to settle in full. If the participants failed to attend the course, the fee paid is non refundable. Registration fee includes lecture notes, refreshment and lunch. IMarEST members may subscribe to the course and fees chargeable same as for IEM members.

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



*The Institution of Engineers, Malaysia*

**1-Day Course On**  
**Basic Welding Knowledge in**  
**Engineering Construction**

Organised By:

Marine Engineering & Naval Architecture Technical Division, IEM



**Date** : 2 February 2012 (Thursday)  
**Venue** : TUS Lecture Room, 2nd Floor,  
 Wisma IEM, Petaling Jaya, Selangor.  
**Time** : 8.30 AM - 5.30 PM

**BEM Approved**  
**CPD Hours = 7**

**Ref. No: IEM11/HQ/378/C**

<u>Registration Fees:</u>	<u>Online &amp; Payment</u>	<u>Normal</u>
IEM Graduate Members : RM235		RM250
IEM Corporate Members : RM330		RM350
Non IEM Members : RM425		RM450
IEM Student Members : RM90		RM 100

**CLOSING DATE: 25 JANUARY 2012**

**NO ONLINE REGISTRATION WILL BE ALLOWED AFTER THE CLOSING DATE**  
 For online registrations, ([www.muiem.org.my](http://www.muiem.org.my)) please note that payment **MUST** be made by 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.

## Synopsis

Welding activities play a vital role during the construction phase especially in the marine and oil and gas industry, be it new construction, refurbishment or conversion projects. This course gives the essence of welding knowledge in the engineering construction, especially suitable for those who intend to gain a fundamental but solid grounding on welding inspection. You will learn the structured and integrated welding technology, welding process, welding defects, duties of inspection engineers at site, tools and techniques that are applicable to managing the welding activities, welding symbols and etc. The course contents are closely referenced to CSWIP course note for welding inspector course. This 1-day intensive course is both practical and interactive, supplemented with useful course note, real-life case studies and working examples.

## Benefits

- Understand the relevant of welding technology related to steel fabrications
- Understand the need for documentation in welding
- Able to recognise characteristics of commonly used welding processes in relation to quality control
- Aware of codes and standards related to inspection requirements
- Able to identify various weld imperfections (defects)
- Understand factors which influence the quality of fusion welds in steels
- Able to interpret drawing instructions and welding symbols to ensure that specifications are met
- Understand the application of welding consumables for specific applications and consumable handling
- Able to carry out visual inspection of welds, report on them and assess their compliance with specified acceptance criteria

## Who Could Benefit From The Course

Inspectors/ QA & QC Inspectors & Engineers / Engineers/ Inspection Engineers who undertake the visual examination of welded joints or involve in construction projects; Quality Control staff associated with welding and construction; all staff who need basic training in welding inspection.

Government and Non-government officers; Anyone responsible for or involved in construction project.



## About The Course Leader

**Ir. Nik Mohd Hasmy, B.Eng (Mechanical), P.Eng, MIEEM, CEng, CMAREng, MIMarEST** has 10 years of experience in the Marine & Oil and Gas industry as a Professional / Chartered Engineer. He is experienced in marine & oil and gas construction projects of different sizes and complexities. He had previously worked with Classification Body and Client as a Project Engineer / Surveyor / Mechanical Engineer/ Owner representative for marine and offshore projects.

The example of projects he involved are new ship building of 4 units Aframax Crude Oil Tankers 105k DWT in Samsung Heavy Industries (South Korea), new construction of WOODSIDE ANGEL topside platform , new construction of Gumusut-Kakap semi submersible Floating Production Unit in MIMHE (Pasir Gudang) and FPSO (Floating Production, Storage and Offloading) ASENG conversion and refurbishment for client NOBLE ENERGY USA. The involvements are includes but not limited to tendering & bidding, contract management, engineering & project management, construction, procurement, quality assurance, welding inspection, Welding Qualification Test (WQT), Welding Procedure Qualification Test (WPQT), Factory Acceptance Test, pre-commissioning and commissioning e.g. quay trials and sea trials. Currently, he is a Delivery Manager in company SBM Malaysia Sdn. Bhd (Major EPC contractor in the offshore oil & gas industry) assigned to the FPSO refurbishment/ conversion project.

Ir. Nik Mohd Hasmy serves as the current Committee Member of the Marine Engineering & Naval Architecture Technical Division of the Institution of Engineers, Malaysia (IEM), Committee Member of the Project Management Technical Division of the Institution of Engineers, Malaysia (IEM) and also Committee Member of the Malaysia Joint Branch of RINA & IMarEST. He is a certified Welding Inspector (CSWIP 3.1) and Radiographic Interpreter (CSWIP 3.4) of the CSWIP, United Kingdom.

## COURSE OUTLINE

TIME	ACTIVITIES
0830 - 0850	REGISTRATION
0850 - 1030	<ul style="list-style-type: none"><li>• Introduction to welding</li><li>• Type of joints</li></ul>
1030 - 1045	MORNING TEA BREAK
1045 - 1145	<ul style="list-style-type: none"><li>• Welding Process and technology</li></ul>
1145 - 1300	<ul style="list-style-type: none"><li>• Welding Symbol and drawing instruction</li><li>• Welding Consumables</li></ul>
1300 - 1400	LUNCH BREAK
1400 - 1530	<ul style="list-style-type: none"><li>• Welding Distortion</li><li>• Welding Defects and repair</li></ul>
1530 - 1545	AFTERNOON TEA BREAK
1545 - 1630	<ul style="list-style-type: none"><li>• Duties of Inspection Engineers/ Welding Inspectors and inspection tools</li><li>• Welding Procedure and Welding Qualification Test</li></ul>
1630 - 1730	<ul style="list-style-type: none"><li>• Mechanical Test</li><li>• Codes and standards related to welding inspection</li></ul>

## TERMS & CONDITIONS:

The Organizing 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.