

Chairman,
Marine Engineering & Naval Architecture Technical Division,
The Institution of Engineers Malaysia,
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REGISTRATION FORM

Basic Welding Knowledge in Engineering Construction

No	Name(s)	M'ship No.	Grade	Fee (RM)*
Total Payable				

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

2-Days Course On
Basic Welding Knowledge in
Engineering Construction

Organised By:

Marine Engineering & Naval Architecture Technical Division, IEM

Date : 27 & 28 March 2013.

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

Time : 8.30 AM - 5.30 PM



BEM Approved
CPD Hours = 14 hrs
Ref. No: IEM13/HQ/012/C

Grade	Normal Fee	Online Registration
IEM Student Members	RM 275	RM 250
IEM Graduates Members	RM 495	RM 450
IEM Corporate Members	RM 715	RM 650
Non IEM Members	RM 935	RM 850

CLOSING DATE: 22 MARCH 2013

NO ONLINE REGISTRATION WILL BE ALLOWED AFTER THE CLOSING DATE

For **online registrations**, (www.myiem.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 young engineers 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 two-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
- Able to recognize characteristics of commonly used welding processes in relation to quality control
- 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
- Aware of engineering codes and standards related to welding and inspection requirements
- Able to identify various weld imperfections (defects)
- Understand factors which influence the quality of fusion welds in steels
- 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, repair, refurbishment; 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 and repair projects.



About The Course Leader

Ir. Nik Mohd Hasmizie, B.Eng (Mechanical), P.Eng, MIEM, CEng, CMarEng, MIMarEST has 11 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 MMHE (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 Hasmizie serves as the current Committee Member of the Marine Engineering & Naval Architecture Technical Division of the Institution of Engineers, Malaysia (IEM) and Committee Member of the Project Management Technical Division of the Institution of Engineers, Malaysia (IEM). He is a certified Welding Inspector (CSWIP 3.1) and Radiographic Interpreter (CSWIP 3.4) of the CSWIP, United Kingdom.

COURSE OUTLINE

<u>Time</u>	<u>1st Day</u>	<u>2nd Day</u>
0830 - 0850	Registration	Registration
0850 - 1030	<ul style="list-style-type: none">• Introduction to Welding• Type of Welding Joint and Welding Positions	<ul style="list-style-type: none">• Welding Defects and Repair
1030 - 1045	MORNING TEA BREAK	MORNING TEA BREAK
1045 - 1300	<ul style="list-style-type: none">• Welding Process and Technology (SMAW, MIG, TIG, SAW, FCAW)	<ul style="list-style-type: none">• Duties of Inspection Engineers / Welding Inspectors and Inspection Tools
1300 - 1400	LUNCH BREAK	LUNCH BREAK
1400 - 1530	<ul style="list-style-type: none">• Welding Symbol and Drawing Instructions	<ul style="list-style-type: none">• Welding Procedure Qualification Test (WPQT)• Welder Qualification Test (WQT)
1530 - 1545	AFTERNOON TEA BREAK	AFTERNOON TEA BREAK
1545- 1630	<ul style="list-style-type: none">• Welding Consumables• Welding Distortion	<ul style="list-style-type: none">• Radiographs
1630 - 1730	<ul style="list-style-type: none">• Non-Destructive Test• Q & A	<ul style="list-style-type: none">• Mechanical Test at Laboratory• Q & A

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.