

**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

2-DAY COURSE ON ADVANCED NON-DESTRUCTIVE TESTING (NDT) IN ENGINEERING APPLICATION

Organised By:

Oil, Gas and Mining Technical Division

In Co-operation with



Date : 25 & 26 April 2011 (Monday & Tuesday)

Venue : TUS Lecture Room, 2nd Floor, Wisma IEM

Time : 9.00 AM - 5.00 PM

**BEM Approved
PDP/CPD Hours = 12
Ref. No: IEM11/HQ/ 107/C**

Registration Fees:

Online Payment

Normal

IEM Graduate Members : RM950.00

RM1000.00

IEM & WIM Members : RM950.00

RM1000.00

Non IEM Members : RM1100.00

RM1200.00

Objective

Non Destructive Testing (NDT) methods determine the welding integrity of materials and its characteristics without doing any harm to the materials. The course gives an overview of the more advanced NDT methods commonly used in industry, the principles behind them, their applications and advantages. These NDT methods are :

- a. Phased array ultrasonic
- b. Time of Flight Diffraction (TOFD)
- c. Computer Radiography
- d. Auto Ultrasonic Testing (AUT)

About the Course Leader

EMRAN BIN ALIAS, NDT Manager

TWI Training & Certification (S E Asia) Sdn Bhd

Emran graduated with a Bachelor of Science (Hons) Degree in Nuclear Science from University Kebangsaan Malaysia in 2000. He was initially with Tekniskpek Sdn Bhd and Velosi (M) Sdn Bhd and responsible for performing various NDT requirements on several oil & gas offshore platform and crude oil terminal projects. He subsequently joined Ruane Tati as a Training Executive in charge of the company's training operation and development relating to all NDT subjects and ensuring the entire training syllabus and teaching methods comply with PCN, ASNT, ACCP and MLVK requirements.

Emran is currently the NDT Manager in TWI Training & Certification (S E Asia) Sdn Bhd and conducts theoretical and practical training in Phased Array, TOFD, ultrasonic testing, radiographic interpretation, magnetic particle testing and penetrant testing as per EN 473, ISO 9712 and EN 45013 requirements. This training is conducted in Indonesia, Singapore, Vietnam, China, Australia, Singapore, Korea and the Philippines. He also invigilates and monitors CSWIP and PCN examination requirements. Besides lecturing, he is the consultant in NDT related fields for TWI's clients including CNOOC Engineering, China, Oceaneering Asia Pacific, RTO Appluss Singapore, PT Sucofindo, Indonesia and VISCO Vietnam.

Emran is a Member of the Malaysia Society of Non Destructive Testing (MSNT) and the -Malaysian Standard Technical Committee in Non Destructive Testing . He is also on the MLVK Radiography Testing Examination Result Panel.

EDUCATION

Bachelor of Science (Hons) in Nuclear Science

TECHNICAL QUALIFICATION

- CSWIP Level 2 (Welds) Manual Phased Array, Time of Flight Diffraction (TOFD), Phased Array Data Interpretation, Auto Ultrasonic Testing (AUT Analysis) and Radiographic Interpretation
- PCN Level 2 (General) Ultrasonic Testing, Magnetic Particle Testing and Penetrant Testing
- MLVK Level I, II (Radiography Testing)
- Authorized PCN/CSWIP Examination Invigilator
- Authorized AELB Radiation Protection officer (RPO)
- Authorized AELB Trainer & Instructor

Course Program

Time/ Date	Programme
25 APRIL 2011	DAY 1
(MONDAY)	
0900-0930	Registration
0930-1000	Introduction to the Course / Phased Array Ultrasonic
1000-1030	Break
1030-1215	Phased Array Ultrasonic
1215-1300	Lunch
1300-1500	Time of Flight Diffraction (TOFD)
1500-1515	Break
1515-1630	Time of Flight Diffraction (TOFD)
1630-1700	Question and Answers
26 APRIL 2011	DAY 2
(TUESDAY)	
0900-1030	Auto Ultrasonic Testing (AUT)
1030-1045	Break
1045-1215	Auto Ultrasonic Testing (AUT)
1215-1300	Lunch
1300-1515	Computer Radiography
1515-1530	Break
1530-1630	Computer Radiography
1630-1700	Question and Answers

