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BEM APPROVED
 CPD/PDP Hours: 6
 Ref. No: IEM14/HQ/386/C



Organised by:
 Mechanical Engineering Technical Division

ONE-DAY COURSE ON “NON-DESTRUCTIVE TESTING (NDT)”

By:
 Ir. Dr. Tan Chee Fai
 Prof. Dr. Qumrul Ahsan

20 December 2014 (Saturday)
 9.00am – 5.00pm

Venue:
 Tan Sri Prof. Chin Fung Kee, 2nd Floor,
 Wisma IEM, Petaling Jaya

REGISTRATION:

Name(s)	IEM/TAM 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 “” 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.

REGISTRATION FEE:

Member Type	Normal Rate (RM)	Online Rate (RM)
IEM Student Member	150.00	100.00
IEM Graduate Member	400.00	350.00
IEM Corporate Member	500.00	450.00
Non IEM Member	700.00	650.00

SYNOPSIS

This course aims to give the participant a thorough understanding of the basic principles of various NDT methods, fundamentals, discontinuities in different product forms, importance of NDT, applications, limitations of NDT methods and techniques and codes, standards and specifications related to non-destructive testing technology. In addition, this short course will complement the national training and certification program of NDT personnel.

At the end of the course, participants should be able to:

- explain the fundamental principles of non destructive testing methods
- *analyze the NDT methods for evaluating discontinuities*

WHO SHOULD ATTEND?

The course is applicable to a wide range of disciplines and areas especially any personnel who plan to involve and responsible in project. The course also can be a refreshment course for engineer, technologist, technician, contractor, academician, student, etc.

BIODATA OF THE SPEAKER

Ir. Dr. Tan Chee Fai is a practising mechanical consultant, researcher and academician. He is graduated with Bachelor of Engineering (Mechanical) and M. Sc. (Manufacturing Systems Engineering) from Universiti Putra Malaysia (UPM), as well as PhD in Industrial Design Engineering from Eindhoven University of Technology (TU/e), the Netherlands. He is a registered Professional Engineer (Mechanical) with Board of Engineers, Malaysia (2006) and a member of Institution of Engineers, Malaysia (2005). He actively involved in academic, publication, consultation as well as research, design and development activities. His field of expertise covers the aspects of mechanical engineering, industrial design engineering, artificial intelligence, transportation engineering, industrial automation and human-technology interaction design. He has vast experience in mechanical design of machinery, robotic and commercial vehicles. He has lead numbers of university and Malaysia Government funded projects as well as international funded projects. He has published more than 100 publications in international and local journals and conference proceedings that related to mechanical engineering. He is actively involved in Institution of Engineers, Malaysia since 1998, where he is the member of various committees such as Executive Committee Member, Council Member, Hon. Sec./Treasurer of METD, G&S, etc. within IEM HQ and current Vice Chairman of IEM Melaka Branch. He is a qualified HRDF trainer and HRDF Recognition Prior Learning (RPL) Assessor.

Prof. Dr. Qumrul Ahsan got BSc Engg (1986) and MSc Engg (1987) in Metallurgical Engineering at the Bangladesh University of Engineering and Technology, BUET (Bangladesh). After his graduation he first joined the largest steel plant in Bangladesh and then he joined Bangladesh Atomic Energy Commission. He was attended and received the the UNDP/IAEA/RCA Regional Training Course on Non-Destructive Testing- Ultrasoic , Level 3, as well as Magnetic Particle and Liquid Penetrant, Level 3. Finally he joined as a faculty member in the Department of Materials and Metallurgical Engineering (MME), BUET in 1991. His engineering background helps MME Department in developing course curriculum and laboratory infrastructure. In 1993 he was awarded a Commonwealth Scholarship to pursue higher studies in the University of Birmingham, UK. After completion of his Ph.D in 1997, he came back and resumed his charges in the MME Department at BUET. At present he is discharging duties as Professor of University Teknikal Malaysia, Melaka (UTeM).

TENTATIVE PROGRAMME

08:30 – 09:00	Registration
09:00 – 10:30	Overview & Visual Testing (Ir. Dr. CF Tan)
10:30 – 10:50	Tea Break
10:50 – 12:30	Liquid Penetration Testing (Ir. Dr. CF Tan) Magnetic Particle Testing (Ir. Dr. CF Tan)
12:30 – 14:00	Lunch
14:00 – 16:30	Ultrasonic Testing (Prof. Dr. Qumrul) Radiographic Testing (Prof. Dr. Qumrul) Eddy Current Testing (Prof. Dr. Qumrul)
16:30 – 17:00	Question and Discussions (Ir. Dr. CF Tan & Prof. Dr. Qumrul)
17:00	Closure & Refreshment

FEES COVER

- Course notes
- Refreshment (1 lunch & 2 break)
- Certificate of attendance (CPD & CCD)

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 start 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.