

REGISTRATION FORM		
Fax: 03 – 7957 7678 Email: meitzzy@iem.org.my Website: www.myiem.org.my		
Name(s)	Grade & IEM M'ship No.	Fees (RM)
Total Amount Payable		
Cheque no. _____ for the amount of RM _____ (non-refundable) and made payable to "THE INSTITUTION OF ENGINEERS, MALAYSIA".		

Company:					
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Contact Person:		Designation:			
Signature:		Date:			

IMPORTANT NOTES

- For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [viz. RHB and Maybank2u – Personal Saving & Personal Current ; Credit Card – Visa/ Master ; MEPS FPX – Bank Islam personal account, CIMB Clicks personal account & CIMB Biz Channel business account, Hong Leong Bank Personal Account, Maybank2u Personal Account & Maybank2e Business Account, Public Bank Personal Account and RHB Bank Personal Account].
- Payment via CASH, CHEQUE, BANK-IN TRANSMISSION, BANK DRAFT, MONEY ORDER, POSTAL ORDER, L/O or 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 event, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails 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, refreshments and lunch.
- IEM reserve the right to reject any L/O not in accordance with these instructions. 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.



TWO-DAY COURSE ON CORROSION CONTROL OF STEEL STRUCTURES BY COATING TECHNOLOGY & CATHODIC PROTECTION

by
Mr. Kang Kim Ang, Mr. Frankie Chua Cheng Huat
& Engr. Ong Wei Rex

Date: 8 & 9 November 2012 (Thursday & Friday)

Time: 9.00 a.m. – 5.00 p.m.

Venue: C&S Lecture Room, 2nd floor,
Wisma IEM, PJ, Selangor

BEM Approved CPD/ PDP hours: 8

Ref. No.: IEM12/HQ/263/C

REGISTRATION FEE		
Grade	Normal (Offline)	Online
IEM Student Member	RM350	RM300
IEM Graduate Member	RM650	RM600
IEM Corporate Member	RM950	RM900
Non-IEM member	RM1,250	RM1,200

- Closing Date for Online Registration: **5th November 2012**

TENTATIVE PROGRAMME	
DAY 1: 8 NOVEMBER 2012	
Time	Details
8.30 – 9.00 a.m.	Registration
9.00 – 10.30 a.m.	Session 1: Fundamental of Corrosion
10.30 – 11.00 a.m.	Refreshment Break
11.00 – 1.00 p.m.	Session 2: Type of Corrosion and Its Recognition
1.00 – 2.00 p.m.	Lunch Break
2.00 – 3.00 p.m.	Session 3: Corrosion Control by Coating and Its Fundamental
3.00 – 3.30 p.m.	Tea Break
3.30 – 5.00 p.m.	Session 4: Coating Technology and Application
DAY 2: 9 NOVEMBER 2012	
Time	Details
9.00 – 10.30 a.m.	Session 5: Principle of Cathodic Protection
10.30 – 11.00 a.m.	Refreshment Break
11.00 – 1.00 p.m.	Session 6: Type of Cathodic Protection and Its Criteria
1.00 – 2.00 p.m.	Lunch Break
2.00 – 3.00 p.m.	Laboratory and Workshop 1
3.00 – 3.30 p.m.	Tea Break
3.30 – 4.30 p.m.	Laboratory and Workshop 2
4.30 – 5.00 p.m.	Workshop Review

INTRODUCTION

Corrosion has been a concern in many industries. Corrosion can cause unexpected failures of structures and can result in huge losses in life, production as well as environmental. It has been reported that corrosion can, on average, causing around 3% of GNP in many industrialized countries. Coating and Cathodic protection are two of few most effective corrosion protection methods available in the industry nowadays. It has been successfully used to overcome corrosion and extension of service life of structures.

The course is divided into three main parts. The first part deals with the fundamental of corrosion and its type, the second part will focus on the corrosion control by coating technology while the third part focus on cathodic protection.

The course will introduce you to the following topics:

- ✓ Fundamental of Corrosion
- ✓ Type of Corrosion and Its Recognition
- ✓ Type of Corrosion Control Methods
- ✓ Introduction to Corrosion Control by Coating
- ✓ Paint Components and Types of Binders, Pigments, Fillers and their Functions
- ✓ Requirements for Optimum Protection
- ✓ Failures and Type of Failures of Paints
- ✓ Criteria of Cathodic Protection
- ✓ Electrical Measurement for Cathodic Protection System

BIOGRAPHY

Mr. Kang Kim Ang, MSc. Corrosion (UMIST. U.K.), Dip. Materials Engineering (TARC), C.Eng., FIMM, Micorr, a Chartered Engineer registered with Engineering Council, UK and the Corrosion Specialist and Cathodic Protection Specialist accredited by National Association of Corrosion Engineer (NACE), USA and Institute of Materials, Malaysia (IMM).

Mr. Kang has over 22 years of experience in corrosion control, Cathodic Protection, heavy-duty coatings, passive fire protection, and corrosion inspection in the oil & gas, marine, petrochemical, construction and industrial sectors in Malaysia, Indonesia, Philippines, Vietnam, Myanmar and some Middle East countries. He is currently the managing director of CORRTRON Group of companies, the local leading companies which specialized in EPCC, consultancy, R&D and various services in the field of corrosion protection for oil and gas projects.

He has also been giving part-time lecture in Corrosion Engineering subject at higher learning institutions in Malaysia for the past 8 years. Other than that, he is the invited trainer for Institute Materials, Malaysia for the cathodic protection training & certification programme for over 8 years and also the invited trainer for Petronas Skill Group 15 for Level 3 Cathodic Protection for over 5 years.

Mr. Frankie Chua Cheng Huat, B.Sc. Chemistry, FIMM, an Association (ATSC) Protective Coatings Specialist and Senior Corrosion Technologist accredited by National Association of Corrosion Engineer (NACE), USA and Institute of Materials, Malaysia (IMM). He is also a Council Member and past Chairman of Coatings Committee in IMM and an Associate Member of Oil & Colour Chemist.

Frankie Chua has over 26 years of experience in coating and is currently the Managing Director/ Technical Advisor of PLC Laboratory Sdn. Bhd. His area of expertise is Formulation, technical service and trouble shooting for coatings applications.

Engr. Ong Wei Rex, M. Eng. Mechanical (UTM), BSc. Mechanical (Material) Engineering (UTM), Cathodic Protection (CP) Level 3 accredited by National Association of Corrosion Engineer (NACE), USA and CP Technologist Level 2 accredited by Institute of Materials, Malaysia (IMM). Engr. Ong is a Graduate Member of IEM. He is also an active committee member of the Chemical Engineering Technical Division.

Engr. Ong has over 6 years of experience in corrosion control, Cathodic Protection, and special corrosion inspection and survey techniques in oil & gas, sector in Malaysia, Singapore and Indonesia. He is currently the Technical Manager of CorroDynamic Sdn. Bhd.

For further details please contact:

Chemical Engineering Technical Division

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✓ Special Cathodic Protection Survey Techniques

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