



REGISTRATION FORM		
Fax: 03 – 7957 7678 Email: <a href="mailto:nagajothi@iem.org.my">nagajothi@iem.org.my</a> Website: <a href="http://www.myiem.org.my">www.myiem.org.my</a>		
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:			
Address:			
Mobile:	Tel. (O):	Fax:	
Email:			
Contact Person:	Designation:		
Signature:	Date:		

#### IMPORTANT NOTES

For ONLINE REGISTRATION, only ONLINE PAYMENT is applicable [via RHB Now and Maybank2u -Personal Saving & Personal Current; Credit Card - Visa/Master]. If payment is not received within the stipulated time, the registration fee will automatically be reverted to the normal fee.

Payment via CASH, CHEQUE, BANK-IN TRANSMISSION, BANK DRAFT, MONEY ORDER, POSTAL ORDER, L/O or WALK-IN will be considered as NORMAL REGISTRATION.

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.

In view of the limited places available, intending participants are advised to send their registrations as early as possible so as to avoid disappointment.

## ONE DAY COURSE ON Corrosion Control of Steel Structures by Cathodic Protection

### Speakers:

Mr. Kang Kim Ang  
Engr. Ong Wei Rex

Date: 28 November 2014 (Friday)

Time: 9.00 am – 5.00 pm

Venue: C & S Lecture Room, 2<sup>nd</sup> Floor, Wisma IEM, PJ

Organised by: Chemical Engineering Technical Division

**BEM Approved CPD/ PDP hours: 3.5**

**Ref. No.: IEM13/HQ/ 331/C**

REGISTRATION FEE		
Grade	Normal (Offline)	Online
IEM Student Member	RM100	RM80
IEM Graduate Member	RM400	RM350
IEM Corporate Member	RM500	RM450
Non-IEM member	RM800	RM760

- Closing Date : 25 November 2014
- Online registration will **NOT** be allowed after the closing date.

**Important Note: IEM members are required to produce their IEM membership cards for CPD scanning at the start and end of the course.**

## SYNOPSIS

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.

Cathodic protection (CP) is one of few most widely applied corrosion protection methods. It has been successfully used to overcome corrosion and extension of service life of structures. The course is aimed to provide the understanding of principle of CP, techniques of CP survey and measurements and interpretation of CP survey data.

The course will introduce you to the following topics:

- Principle of Cathodic Protection
- Type of Cathodic Protection
- Criteria of Cathodic Protection
- Electrical Measurement for Cathodic Protection System
- Special Cathodic Protection Survey Techniques

## BIODATA OF SPEAKERS

### **Mr. Kang Kim Ang**

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 25 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 CORRTROL 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.

### **Engr. Ong Wei Rex**

Engr. Ong Wei Rex, M.Eng. Mechanical (*UTM*), B.Eng. Mechanical (Material) Engineering (*UTM*), Cathodic Protection Specialist 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 7 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 Corro Dynamic Sdn. Bhd.

## **TENTATIVE PROGRAMME**

<b>Time</b>	<b>Events</b>
<b>8.30 - 9.00a.m.</b>	<b>Registration</b>
<b>9.00 -10.00am</b>	<b>Session 1: Fundamental of Corrosion</b>
<b>10.00 - 11.00am</b>	<b>Session 2: Principle of Cathodic Protection</b>
<b>11.00 - 11.30am</b>	<b>Refreshment Break</b>
<b>11.30 - 1.00pm</b>	<b>Session 3: Type of Cathodic Protection and its Criteria</b>
<b>1.00 - 2.00pm</b>	<b>Lunch Break</b>
<b>2.00 - 3.00pm</b>	<b>Session 4: Cathodic Protection Electrical Measurement and Monitoring</b>
<b>3.00 - 3.30pm</b>	<b>Tea Break</b>
<b>3.30 - 4.30pm</b>	<b>Session 5: Special Cathodic Protection Survey Techniques</b>
<b>4.30 - 5.00pm</b>	<b>Q&amp;A Session</b>

## CANCELLATION POLICY

IEM reserves the right to postpone, reschedule, allocate or cancel the course due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. 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.

**For further details please contact:**

**Chemical Engineering Technical Division**

c/o The Institution of Engineers, Malaysia

Bangunan Ingenieur, Lots 60/ 62, Jalan 52/ 4, P.O. Box 223 (Jalan Sultan) ,  
46720 Petaling Jaya, Selangor.

**Tel.:** 603 – 7968 4026 **Fax:** 603 – 7957 7678

Website: [www.myiem.org.my](http://www.myiem.org.my)