

**REGISTRATION FORM**  
Fax: 03-7957 7678 Email: seri@iem.org.my

**One Day Course on Corrosion Control of Steel Structures by Cathodic Protection**  
**12 July 2011**

Name(s)	Grade & Membership No.	Fees (RM)
Total Amount Payable		

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Mobile: \_\_\_\_\_ Tel(O): \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

*Please write clearly as the "Information Update" 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 "THE INSTITUTION OF ENGINEERS,  
MALAYSIA" and crossed 'A/C Payee Only'.

**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 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, refreshment and lunch.

For **ONLINE REGISTRATIONS**, please note that payment **MUST** be made **within 7 days** of the registration date. If payment is not received within the stipulated time, the registration fee will be reverted to the normal registration fee.



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

by  
Mr. Kang Kim Ang  
Engr. Ong Wei Rex

12 July 2011  
9.00 am – 5.00 pm

TUS Lecture Room, 2<sup>nd</sup> Floor, Wisma IEM, Petaling Jaya

**Registration fees**

Grade	Normal (Offline)	Online Registration
IEM Student Member	RM200	RM190
IEM Graduate Member	RM400	RM380
IEM Corporate Member	RM600	RM570
Non IEM Member	RM800	RM760

**Closing Date: 8 July 2011**

**BEM Approved CPD/PDP Hours: 6**

**Ref. No.: IEM11/HQ/209/C**

**Organised by:**

**Chemical Engineering Technical Division**

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

## TENTATIVE PROGRAMME

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

## 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 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

### **For further details, kindly 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  
Tel : 603-7968 4002 Fax : 603-7957 7678 Email : seri@iem.org.my

## 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 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.

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

Engr. Ong Wei Rex, M. Eng. Mechanical (*UTM*), BSc. Mechanical (Material) Engineering (*UTM*), Cathodic Protection (CP) Level 2 accredited by National Association of Corrosion Engineer (NACE), USA and CP Technologist Level 2 accredited by Institute of Materials, Malaysia (IMM).

Engr. Ong has over 5 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 Senior Corrosion Engineer of Corrtrol Services Sdn. Bhd., a subsidiary company of CORRTRON Group.

### **Terms & Conditions:**

The fee paid is non refundable. However substitution of participants(s) will be permitted with approval by IEM. In view of the limited places available, intending participants are advised to send their registrations as early as possible so as to avoid disappointment.

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.