

## Protective Coatings: Inspection, Maintenance and Repair

### Registration Form

Photocopies of this form may be used for registrations.  
You can also register online at [www.corrosionclinic.com](http://www.corrosionclinic.com)

Please register the following person(s) for the above course (please TYPE or PRINT clearly):

1. Dr/Mr/Ms \_\_\_\_\_  
Designation \_\_\_\_\_

2. Dr/Mr/Ms \_\_\_\_\_  
Designation \_\_\_\_\_

3. Dr/Mr/Ms \_\_\_\_\_  
Designation \_\_\_\_\_

\*delete where inappropriate

Enclosed is a cheque / bank draft No. \_\_\_\_\_  
for S\$ \_\_\_\_\_ (payable to "WebCorr Corrosion Consulting Services") being Registration Fee for the above person(s).

Organization \_\_\_\_\_  
Contact Person \_\_\_\_\_  
Contact Dept \_\_\_\_\_  
Telephone \_\_\_\_\_ Fax \_\_\_\_\_  
Email \_\_\_\_\_

Crossed cheques should be made payable to "WebCorr Corrosion Consulting Services" and mailed together with the registration form to:

### WebCorr Corrosion Consulting Services

Toa Payoh Central,, PO Box 225,  
Singapore 913108

Tel: (65) 64916456 Mobile: (65) 97110759

Fax: (65) 64916456

Email: [webcorr@corrosionclinic.com](mailto:webcorr@corrosionclinic.com)

<http://www.corrosionclinic.com>

### Course Details

**Date:** 3-5 Feb 2010  
**Time:** 9:00 am to 5:00 pm  
**Venue:** PUB WaterHub  
**Course Fee:** S\$1500 (GST not applicable)  
**Closing Date:** 2 weeks before course date  
**Discount:**  
**Group:** (3 or more people): 10%  
**Early-bird:** N% **if paid** "N" months before the course commencing date

### Withdrawal/Refund Policy:

Withdrawal or replacement should be conveyed to the organizer in writing (email or fax). An administration charge of 50% of the course fee will be levied if the withdrawal notice is received less than 7 working days before the course commencing date. No refund will be made for withdrawal notice received 3 working days and less.

### Certificates:

Certificate of attendance will be given to participants with at least 75% attendance of the course.

### Cancellation:

WebCorr reserves the right to cancel the course and fully refund the participants should unforeseen circumstances necessitate it.

## Protective Coatings: Inspection, Maintenance and Repair

*Conducted by:*

**Dr. Qiu Jianhai** BEng PhD CEng MIMFICorr  
NACE Certified Corrosion Specialist

*Date:*

**3-5 February 2010**

*Venue:*

**PUB WaterHub**  
**80 Toh Guan Road East**  
**Singapore 608575**

*Organized by:*



## *Corrosion Short Courses Series: Protective Coatings: Inspection, Maintenance and Repair*

### **Course Overview:**

This 30-hour training course thoroughly and systematically covers every aspect of coatings application and inspection techniques, maintenance and repair procedures. Coatings selection, specifications, applications and relevant industry standards for surface preparations are also discussed in depth. This short course trains the participants with the knowledge and skills required for effective and efficient coatings inspection, maintenance and repair.

This course can be taken as in-house training course, online course and distance learning course worldwide. It can also be customized to meet the specific needs of your organization.

### **Course Contents**

1. The Role of a Coating Inspector
2. Corrosion Concepts Relevant to Coatings
3. BS, ISO Classification of Corrosive Environments
4. Characteristics of Coatings
5. Fundamentals of Coatings
6. The Protective Coating System
7. Corrosion Resistant Organic Coatings
8. Corrosion Resistant Zinc Coatings
9. Design Considerations
10. Effect of Substrate on Coating Life

11. Importance of Surface Preparation
12. BS, ISO, SIS, NACE, SSPC Standards Relevant to Surface Preparation
13. Application of Coatings
14. Health and Safety Aspects
15. Selection of Coatings
16. Coatings and Cathodic Protection
17. Coating Failures: Causes and Prevention
18. Coating Repair and Maintenance
19. Development of Specifications
20. Quality Control in Coatings Application
21. Coatings Inspection and Testing
22. Glossary of Technical Terms in Coatings and Corrosion

### **Who Should Attend**

This course has been structured in such a way that it is particularly suited for those who work with protective coatings such as coatings inspectors, designers and specification writers, project engineers, quality assurance managers, paint supervisors, contractors, painters, facility owners, and maintenance personnel.

### **Course Lecturer**

**Dr. Qiu Jianhai** *BEng PhD CEng MIM FICorr*

Dr Qiu has 25 years industrial, teaching, research and consulting experience in the field of corrosion. He has been working closely with both local and overseas companies and has been an active consultant to governmental agencies, multinational companies and private organizations on corrosion and materials related issues such as design review, condition assessment, process optimization, corrosion testing and monitoring, life predictions, trouble-shooting and corrosion failure analysis. Dr. Qiu is also experienced in providing expert witness and assistance in litigation and arbitration matters related to corrosion and materials. He has authored about 120 technical papers and reports. Dr. Qiu was an invited contributing author to the latest edition of ASM Handbook Vol.13C Corrosion: Environments and Industries. His biographical profile was included in the 7th edition of Marquis Who's Who in Science and Engineering.

Dr. Qiu is a NACE certified Corrosion Specialist (USA) and a Fellow Member of the Institute of Corrosion (UK). He is a Chartered Engineer registered with the Engineering Council (UK), a professional member of the Institute of Materials, Minerals and Mining (UK). Dr. Qiu is also a member of the International Corrosion Council (ICC).