

Organized by:



Institute of Materials Malaysia
Under Corrosion Committee



16 CPD Points



Event Organizer:



Supporting Media:



ONE-DAY IMM CORROSION CONFERENCE 2023 & PLANT VISIT

WHO SHOULD ATTEND ?

Technicians, Engineers, Managers, Academicians, Data Scientists, Sales & Technical Service Personnel, Students, HSE Personnel, Purchasing Personnel, and IMM Certified Professional in the following fields:

- Oil, Gas, Energy & Utilities
- Chemical & Petrochemical
- Process Manufacturing
- Pipeline, Power
- Marine, Transportation, Construction
- Technical & Vocational Training Institute
- College & University

PARADIGM SHIFT IN CORROSION PROTECTION & MITIGATIONS

Conference Date & Venue

Thursday, 19th October 2023

8:00 am - 5:00 pm

Ballroom B - Conference
Foyer, Hibiscus - Exhibition
Level 10, DoubleTree by Hilton KL
The Intermark, 348, Jalan Tun Razak
50400 Kuala Lumpur

Plant Visit Date & Venue

Friday, 20th October 2023

8:00 am - 2:00pm

Intertek Malaysia Technology Center,
(ITS Testing Services (M) Sdn Bhd),
8, Jalan Selat Selatan 7/KS05,
Taman Perindustrian Sobena Jaya, Pandamaran, 42000
Pelabuhan Klang, Selangor

Corrosion degradation continues to be a real threat to the petroleum, power, and any industries that uses metallic materials and equipment. It risks people's lives and safety, assets integrity and the environment via loss of containment. These corrosion risks are normally mitigated by different measures and means such as selection of appropriate materials, chemical treatment, cathodic protection, protective coatings, and process control. In fact, the annual global cost of corrosion was estimated in 2013 to be around US\$2.5 trillion (3.2% of 2013 global GDP). Of this amount, approximately 15-35% (i.e., US\$375 to US\$875 billion annually) can be avoided through proper corrosion controls management, corrosion protection and advanced mitigation technologies. The recent unstable oil market demand in the petroleum industry, the oil financial crisis and the COVID-19 pandemic have pushed the operators to look for optimized, cost effective, early new technologies adoption and more reliable strategies of design and operation of assets.

New approach such as Corrosion Management (CM) along with Risk Based Inspection (RBI) are inseparable elements of an Integrity Management System (IMS). Digital integration of CM and RBI is vital for the optimization of an IMS. Several market available software programs are developed to deliver this integration by interlinking the modules in a digital setting. Additionally, real-time adoption will establish monitoring systems including Ultrasonic Test (UT) wall thickness monitoring, inspection drones, remote sensors, online probes, and remote monitoring units (RMU) for cathodic protection (CP) which provides a continuous trend of the necessary data from critical systems and locations using wireless communication and visual correlation with other corrosion activity parameters. Market available software programs facilitate an integrated and holistic approach to corrosion, inspection, and integrity management. This shift will also lead to decrease in the time required and resources involved in the CM and inspection activities, while fulfilling integrity assurance, maintaining ease of installation and future expansion. Significant cost reductions and optimizations can be achieved through data integration and correlations.

The timely deployment of new and advanced technologies to address corrosion will also lead to reduction in costs associated with corrosion and inspection. This is achieved by predicting and preventing equipment failures, improving the availability of plant and equipment, and optimizing inspection and monitoring methods.

REGISTER NOW



**CONFERENCE DELEGATES
EXHIBITORS**

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CONFERENCE PROGRAMME

Morning

- 08 :00 am Registration & Light Breakfast
- 09 :00 am Welcome Note by Emcee & Safety Briefing by Hotel Staff
- 09 :10 am Opening Speech by IMM President
- 09 :20 am Paper 1
CUI Detection With Real Time Radiography
by Chris Rawlinson, Kaefer Integrated Services Pty Ltd
- 09 :40 am Paper 2
Risk-Based Robust Optimization Workflow of Life Extension Study for Brownfield Piping
by Jason Yap Haw Shin, Pluperfect Technology Sdn Bhd
- 10 :00 am Paper 3
BASF Antwerp tests ROCKWOOL® ProRox® WR-Tech™ Pipe Insulation
by Debapratim Dinda , Rockwool Malaysia Sdn Bhd
- 10 :20 am **Tea Break / Visit to Exhibition**
- 11 :00 am Paper 4
Enhancing Effectiveness in Pipeline Integrity Management with PCMP-PL©: A Comprehensive Approach
by Ahmad Fahdlam Saleh & M Zaid B Kamardin, Petronas GTS
- 11 :20 am Paper 5
Subsea Inspection and Engineering Solutions
by Zach McCann, Sonomatic SEA Sdn Bhd
- 11 :40 am Paper 6
Unexpected Rapid Corrosion in Mooring Chains Explained
by Douglas Bennet, Intertek (ITS Services (M) Sdn Bhd)

Afternoon

- 12 :00 pm Group Photo
- 12 :15 pm Lunch I Visit to Exhibition
- 14 :00 pm Paper 7
Successful Metal Loss Simulation & Prediction – Case Study of Synergy between Hardware and Software
by Rehan Ahmed, Petronas Carigali Sdn Bhd
- 14 :20 pm Paper 8
Extending Structure Asset Life: Why Paint When You Can Tape?
by Marcus Yap, In-Situ Maintenance Services Sdn Bhd
- 14 :40 pm Paper 9
Asset Performance Management for Mechanical Static Equipment
by Nor Hazarudin Md Daros, Petrofac (Malaysia PM304) Limited)
- 15 :00 pm **Tea Break / Visit to Exhibition**
- 15 :30 pm Paper 10
Corrosion Inhibition : Journey to Digitalization and Automation
by Faziana Sagara, Sarawak Shell Bhd
- 15 :50 pm Paper 11
Intelligent Pigging of Heater Tubes in Refineries and Petrochemical Plants
by Wong Chee Choong, Quest Integrity MYS Sdn Bhd
- 16 :10 pm Paper 12
Online Tank Cleaning & Inspection Technology
by Roddy Macdonald, IEV International
- 16 :30 pm **Panel Discussion**
- 17 :00 pm Closing Remarks by Ir Ong Hock Guan
Chairman, IMM Corrosion Committee/ Sarawak Shell Bhd
- 17 :15 pm Adjourn

IMM CORROSION ORGANIZING COMMITTEE 2023

Technical Committee : Ir. Ong Hock Guan (Sarawak Shell Berhad)
Dr. Kee Kok Eng (Universiti Teknologi PETRONAS)
Dr. Maxine Yee Swee Li (University of Nottingham Malaysia)
Dr. Yoga Sugama Salim (CETIM Asia Pacific Sdn Bhd)
Mr. Yip Han Wei (Sarawak Shell Berhad)
Dr. Azzura binti Ismail (Universiti Tun Hussein Onn Malaysia)
Ms. Kamila Abd Hamid (Wood Group Kenny Sdn Bhd)

Publicity Committee : Ms. Karen Cheng (Materials Technology Education Sdn Bhd)
Mr. Danny Tan Kim Chew (Abadi Oil & Gas Sdn Bhd)
Ms. Syarifah Nazliah (BSSTech CP (M) Sdn Bhd)
Mr. Mohd Khairi Kadir (Cosasco (M) Sdn. Bhd)
Mr. Nik Kharil Azman (Temperlite Insulation Sdn Bhd)
Mr. Chia Kok Chua (PTTEP Sarawak Oil Limited))
Ms. CY Wee (Chongwah-NTIA Sdn Bhd)
Mr. Leow Chun Ho (Sarawak Shell Berhad)

Sponsorship Committee : Ir. Max Ong (Norimax Sdn. Bhd)
Ir. Ong Hock Guan (Sarawak Shell Berhad)
Mr. Mark Hew (Kutar Malaysia Sdn Bhd)
Mr. Kang Kim Ang (Corrtrol Services Sdn Bhd)
Ms. Karen Cheng (Materials Technology Education Sdn Bhd)

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Event Organizer:



Materials Technology Education Sdn Bhd

Supporting Media:



SPECIALIST IN MAP ADVERTISING

IMM Corrosion Conference 2023 - REGISTRATION FORM

REGISTRATION FORM			
Name	(Prof./ Dr./ Ir./ Ts./ Mr./ Ms.)		
Institution / Company Name			
Institution / Company Address			
Tel No (Office)		Mobile No	
Email Address			

		FEES (RM)	PLEASE (✓)
Delegates	IMM member	RM 478.00 nett	
	Non - IMM member	RM 588.00 nett	
Plant Visit	I would like to join the Plant Visit on Friday, 20th October 2023		

EVENT SPONSOR / EXHIBITOR (Please Tick ✓)

☐ EVENT SPONSOR - RM 5,000.00* Package includes : <ul style="list-style-type: none">• 1 Technical presentation slot• 1 Promotional table with 2 chairs• 1 Free pass for Presenter• 2 Free passes as Conference Delegates• 2 Free passes for Exhibition Promoters	☐ TABLE - TOP EXHIBITION STAND - RM 3,000.00* A. Package includes : <ul style="list-style-type: none">• Promotional table with 2 chairs• 2 Free passes Exhibition Promoters B. Please reserve Table No _____ for us. (Refer to Exhibition Layout Plan for Table - Top Exhibition stand number)
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Notes:

a) *Event Sponsor and Table - Top Exhibition Stand are subject to 6% SST.

b) Additional pass for exhibition promoter will be charged at RM 424.00 nett (IMM Member) and RM 530.00 nett (Non IMM Member)

c) Exhibition stand does not come with a wall. Exhibitors are advised to bring in their own promotional materials.

PAYMENT must be made by Electronic Transfer,
Telegraphic Transfer, Cheque or Bank Draft to

Account Name : Materials Technology Education Sdn Bhd
Account No : 5621 0669 2397
Bank Name : Maybank Berhad
Bank Branch : Shah Alam Branch
Country : Malaysia

***Note :**

- 1) Payment must be made at least two weeks before the conference
- 2) Onsite payment is not acceptable
- 3) Proof of payment to be sent via email to
zaimah@mte.com.my

For any enquiries, please contact :

Ms Asyura
03 5524 3704 or 013 356 1195
email : asyuraa@mte.com.my or
info@mte.com.my

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Website : www.mte.com.my

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EXHIBITION LAYOUT - PLAN

Foyer of Hibiscus

