Main Organizer:
Center of Advanced Material, Universiti Malaya (CAM, UM)

Co-Organizer:
Material Engineering Technical Division (MaTD), IEM

Physical Event

One-Day Workshop on Corrosion

BEM Approved CPD: 6 Hours ***CPD Ref No.: IEM25/HQ/111/W***

Date : 7 May 2025 (Wednesday)
Time : 8.00 am - 5.00 pm
Venue : The Cube, Level 2, Faculty of Engineering, Universiti Malaya
Speakers : Ir. Dr Azzura Ismail
: Dr. Nazatul Liana Sukiman
: Ir. Dr. Lee Chee Hong

Closing Date : 30 Apr 2025

REGISTRATION FEE'S (subject to 8% SST)	
	Note (UM Students, UM Staff, Non-UM Students, and Non-UM Staff – Please email the secretariat for registration)
IEM Student Members/Student UM	**100.00**
IEM Graduate Members/ UM Staff/ non-UM student	**150.00**
IEM Corporate Members/Non UM staff	**250.00**
Non-IEM Members (Non of the Above)	**550.00**

SPEAKER'S PROFILE

Ir. Dr Azzura Ismail

Ir. Dr. Azzura Ismail is a Senior Lecturer and Head of the Panel on Materials and Industry at the Department of Manufacturing, Faculty of Mechanical and Manufacturing Engineering, Universiti Tun Hussein Onn Malaysia (UTHM). She specializes in corrosion, materials selection, asset integrity, metallurgy, and cathodic protection.

Ir. Dr. Azzura holds a Ph.D. in Mechanical Engineering from the University of Leeds, UK (2014), focusing on corrosion inhibitors for offshore applications. She also obtained a Master's (Sc) in Materials Engineering (2003) and a Bachelor's in Materials Engineering (1999) from Universiti Sains Malaysia.

She is a Professional Engineer (IEM) and a certified Materials Failure Investigation Practitioner (MFIP). She holds various certifications, including Cathodic Protection Practitioner (IMM) and Basic Corrosion Certification (NACE International).

Ir. Dr. Azzura has been serving as a Senior Lecturer at UTHM since 2003. She has supervised over 80 postgraduate and undergraduate students and teaches subjects like corrosion and degradation, material engineering, and non-destructive testing (NDT).

She has extensive industry experience, including a one-year industrial attachment (2017-2018) at Malaysian Refining Company (Petronas Penapisan Melaka), where she worked on corrosion issues in asset integrity management.

Dr. Nazatul Liana Sukiman

Dr. Nazatul Liana Sukiman received Bachelor's degree in Materials Engineering from University of Malaya in 2004.

Upon graduation she worked as Design Engineer at Nippon Fastener Manufacturing Company (Nifco) where she was in charge in the design of polymer/composite components for local and regional automotive companies. In 2006 she received a scholarship from University of Malaya to pursue Master study at Australia National University (ANU), Australia.

She was appointed as Lecturer at the Department of Mechanical Engineering, University of Malaya as soon as she completed her Master's degree in 2007.

Two years later she began her Ph.D study in corrosion research at Monash University, Australia. She was awarded the Ph.D degree in 2014 and promoted as Senior Lecturer at the Department of Mechanical Engineering, University of Malaya, Malaysia.

She actively participates in organizing various conferences and other educational activities at the university and national levels. She is currently supervising a number of research staff at Postdoctoral, Ph.D and Master levels from the research grants she has secured from public and private sectors.

Her research focuses on the corrosion of light metals and alloys, electrochemical techniques in corrosion assessment and tribocorrosion in automotive application.

Ir. Dr.
Lee Chee Hong

Dr. Lee holds a PhD from the Corrosion and Protection Centre, School of Materials, University of Manchester (formerly UMIST), UK, and has over 23 years of specialized experience in corrosion studies and material analysis.

His work focuses on long-term asset integrity across the oil & gas, power, and chemical industries. He has extensive expertise in both greenfield and brownfield developments, spanning subsurface, topside, subsea, and onshore facilities.

Currently serving as a Lead Materials and Corrosion Engineer, Dr. Lee is responsible for corrosion risk assessments, failure analysis, and material selection, while also providing proactive corrosion mitigation solutions and addressing complex corrosion-related challenges. Beyond his industry role, Dr. Lee is an adjunct lecturer at the Centre for Corrosion Research, UTP.

He is a registered Professional Engineer with the Board of Engineers Malaysia (BEM) and has held key leadership positions, including Chair and Trustee of the NACE Corrosion Society Founding Malaysia Section and the Institute of Materials Malaysia (IMM) Corrosion Committee.

SYNOPSIS

This workshop aims to provide a strong foundation in corrosion science by covering its fundamental principles, causes, effects, and prevention techniques. Special emphasis will be given to corrosion challenges in the oil and gas industry, exploring mechanisms across upstream, midstream, and downstream operations. By bridging theory with industrial practice, participants will gain practical insights through real-world examples. Additionally, the workshop seeks to inspire interest in corrosion research and career opportunities through interactive sessions, case studies, and discussions with industry professionals.

By the end of the workshop, participants will gain a comprehensive understanding of corrosion mechanisms in the oil and gas industry and their impact on operations. They will develop problem-solving skills to tackle corrosion challenges in upstream, midstream, and downstream sectors. The program introduces industry best practices for corrosion prevention and monitoring, along with hands-on experience using detection and mitigation tools. Participants will benefit from networking opportunities with industry professionals and knowledge transfer from experts through discussions and case studies. Additionally, participants will gain career insights into materials engineering and corrosion management within the oil and gas sector.

Target Audience

- Undergraduate and postgraduate students
- Oil and gas professionals, engineers, technicians
- Specialists working directly or indirectly within the oil, gas, and energy sectors.

PROGRAMME

TIME	PROGRAMME
8:30 am – 9:00 am	Registration and Welcome Coffee
9:30 am - 9:15 am	Opening Remarks by Head of CA
9:15 am – 10:45 am	**Technical Session 1** Topic: Fundamentals of Corrosion Mechanisms Speaker: Dr. Nazatul Liana Sukiman
10.45 am - 11.00 am	Morning Break
11.00 am - 12.30 am	**Technical Session 2** Topic: From Rust to Ruin: Understanding the Lifecycle of Corrosion Speaker: Ir. Dr Azzura Ismail
12.30 pm - 2.00 pm	Lunch Break
2.30 pm - 3.30 pm	**Technical Session 3** Topic: Innovative Strategies for Corrosion Prevention and Management Speaker: Ir. Dr. Lee Chee Hong
3.30 pm - 3.45 pm	Afternoon Break
3.40 pm - 5.00 pm	**Hands-On Session** Topic: Comprehensive Approaches to Corrosion Characterization and Analysis Speaker:Dr. Nazatul Liana Sukiman
5:00 pm	Adjourn

REGISTRATION FORM

PHYSICAL ONE-DAY WORKSHOP ON CORROSION
7 MAY 2025 (WEDNESDAY)
CLOSING DATE : 30 APRIL 2025
Email : suriani@iem.org.my

REGISTRATION FEE'S (subject to 8% SST)	
	Note (UM Students, UM Staff, Non-UM Students, and Non-UM Staff – Please email the secretariat for registration)
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NAME	MEMBERSHIP NO. / GRADE	FEES (RM)
	Sub Total:	
	SST Added 8% :	
	Total Amount Payable :	

PAYMENT DETAILS :

☐ Cash RM_____

☐ Cheque no._____for the amount of RM_____(non-refundable) .

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. The Registration Fee includes lecture notes, refreshment and lunch.

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

Contact Person: _____Designation:_____

Name of Organization: _____

Address : _____

_____

Telephone No. : _____(O) _____(Fax No.)

_____(H) _____(HP)

Email :_____

_____ _____

Signature & Stamp Date