



The Institution of Engineers, Malaysia

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Talk on “Corrosion – The Silent Menace of the Oil & Gas Industry”

(Jointly Organised by Oil, Gas & Mining Technical Division and Women Engineers Section, IEM)

Date : 22nd September 2018 (Saturday)
Time : 11.00am – 1.00pm (*Refreshment will be served at 10.30am*)
Venue : Malakoff Auditorium, Ground Floor, Wisma IEM, Petaling Jaya
Speaker : Ms. Michelle Lau Chui Chui

**BEM Approved CPD/PDP Hours: 2
IEM18/HQ/396/T**

SYNOPSIS

As engineers, we design and specify appropriate materials to ensure our end product functions. Assets not only need to be functional, it has to be attractive and have the relevant human touch. In the oil & gas industry, where natural resources are being extracted to enrich our lives, and allow for modernization. Owners and Operators only focus on certain aspects. Then one factor is forgotten, the horrible C word, “corrosion”, that leads to costly failures. Here it is not only just about sustainability but also minimizing the negative impact on the environment and the earth’s natural resources. Imagine, when the global cost of the corrosion is US\$2.5 trillion (3.4% of the global GDP), how are we building sustainable projects? The most significant revelation of a global study identified that there is a need for a change – within organizations worldwide – in how corrosion decisions are made and communicated. This presentation will explore corrosion technology, business and economics in terms of sustainability of oil and gas engineering projects and infrastructure in three key areas.

- Corrosion cost and its negative implications
- Asset integrity and sustainability for future generations
- Ensure countries are utilizing an integrated platform for corrosion management for its professionals.

SPEAKER’S BIODATA

Ms. Michelle Lau is the General Manager at Mach3 Engineering Sdn. Bhd. and holds a NACE International Cathodic Protection Specialist certification. She is an IEM Graduate member and has been an active member of NACE International for more than 15 years and currently serves as the Director for East Asia & Pacific Area for the term 2014 to 2017. She received her Bachelor Materials Engineering from Monash University, Australia in 1996 and her career for the past 20 years has been in the field of Cathodic Protection for the Oil and Gas, Power Generation and Water Utility industry. Writing design specifications, performing inspections and audits for cross country pipelines, storage tanks, plant piping, marine structures, intake and offshore structures are amongst the challenging projects which takes her around Malaysia as well as to many countries in the Asia Pacific Region. She is also one of the very few certified Cathodic Protection Specialist in Malaysia.

Apart from that, she has given technical presentations on the awareness of corrosion, cathodic protection and corrosion control at many international conferences and corrosion management workshops. Her passion and tireless contribution is in combatting corrosion.

Ir. Azwira Mohd Azmi
Chairman,
Oil, Gas and Mining Technical Division, IEM

Ir. Mah Siew Kien
Chairman,
Women Engineers Section, IEM

FEE ANNOUNCEMENT

(Effective: 1st October 2017)

Members:

- (i) Registration Fee: No Charge
- (ii) Administrative Fee:
 - (a) Online RM15
 - (b) Walk-In RM20

Non-Members:

- (i) Registration Fee: RM50
- (ii) Administrative Fee: RM20

- Limited seats are available on a "first come first served" basis (maximum 100 participants).
- To secure your seat, kindly register online at www.myiem.org.my

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CPD Hours Validation:

Name:

Membership No.:

Signature: