

Technical Talk on “Tackling Extremities and the Associated Conditions of Marine Offshore Installations”

Organised by: Marine Engineering & Naval Architecture Technical Division, IEM
BEM Approved CPD/PDP Hours: 2 Ref. no : IEM20/HQ/006/T

Date : 29th February 2020 (Saturday)
Time : 9.00am – 11.00am (Refreshments will be served at 8.30am)
Venue : Auditorium Tan Sri Prof. Chin Fung Kee, 3rd Floor, Wisma IEM, Petaling Jaya
Speaker : Ir. Dr. Rafee Makbol Mohamed Ali

SYNOPSIS

Extreme conditions assumed in the assessment of structural integrity may lead to unnecessary strengthening of local structural components that may affect marine installation's global performance not only during pre-service conditions but also response behavioral and foundation capacity at in-service conditions.

These extremities typically imposed to account for uncertainties such as change in environmental data, variation in topography of seabed, fabrication and others that associated to the process plant of an installation.

Issues on major extremities will be discussed and its consequences on the design process.

An alternative approach is proposed based upon the concept of performance in terms of behavior, response, risks and safety requirements rather than using prescriptive methodology in tackling the issue.

Basic understanding of materials, design parameters and definition of risk assessment are to be properly defined prior to starting the assessment which requires input from Stakeholders. Optimization can only be ascertained only if safety and platform functionality are clearly defined in meeting minimum installation's performance.

SPEAKER BIODATA

Ir. Dr. Rafee Makbol Mohamed Ali is a Structural Engineer with over 30 years of experience in fabrication, design, installation and certification of offshore installations. He started his career working in fabrication then had joined several design Consultants in Kuala Lumpur prior to pursuing PhD in Structures at Imperial College London. He then joined a UK Consultant in London as Lead Structural Engineer/Blast Specialist for offshore installations. He left UK to joint Independent Verification Body (IVB) in KL as Team Leader/Structural Specialist. At present, he is leading a group of structural engineers in detailed design of fixed offshore installations offshore of Sarawak.

Ir. Roznan bin Abdul Rashid
Chairman,
Marine Engineering & Naval Architecture Technical Division

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

Personal Data Protection Act:

I have read and understood IEM's Personal Data Protection Notice published on IEM's website at www.myiem.org.my and I agree to IEM's use and processing of my personal data.

"IEM reserves the right to alter or cancel the programme due to unforeseen circumstances at its discretion".

For intending participants who choose to 'walk in without prior registration',

IEM SHALL NOT be responsible for any direct or consequential losses".