



THE INSTITUTION OF ENGINEERS, MALAYSIA

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PRE AGM TALK ON "SHIP ENERGY EFFICIENCY MANAGEMENT"

(Organised by Marine Engineering and Naval Architecture Technical Division, IEM)

BEM Approved CPD/PDP: 2 Hours

Ref No: IEM16/HQ/178/T

Date : 28 May 2016 (Saturday)
Time : 9.00 am to 11.00 am (Refreshments will be served at 8.00 am)
Venue : Tan Sri Prof. Chin Fung Kee Auditorium, 3rd Floor, Wisma IEM, Petaling Jaya
Speaker : Mr. Muhammad Hanif Dewan, IEng, IMarEng, MIMarEST, MRINA

SYNOPSIS

The CO₂ is one of the strong Green House Gases (GHG) and the main aspects of global warming, climate change and sea acidification. Rise in temperature of the earth has resulted in melting of polar ice caps, flooding of low lying areas and rise in sea levels. If such conditions conquer, the earth will face radical changes. IMO's third GHG Study, published in 2014, identified that CO₂ emissions from international shipping accounted for approximately 796 million tonnes which is 2.2 per cent of total anthropogenic (caused by human activity) CO₂ emissions in 2012. If no regulatory measures were developed, CO₂ emissions were projected to grow between 200 per cent and 300 per cent by 2050, despite significant market-driven efficiency improvements. Therefore, the global warming and climate change have become a serious issue to today's world.

Recognizing this imminent danger, IMO under the umbrella of United Nations has initiated certain regulatory measures to enhance energy efficiency of ships for reduction of CO₂ from International shipping. The talk will essentially cover the following:

1. Effect of GHG emissions and Global Warming & Climate Change
2. Background of Energy Efficiency Regulations by IMO
3. MARPOL Annex VI Chapter 4: Energy Efficiency Regulations for ships (EEDI, SEEMP & EEOI)
4. Energy Efficiency Design & Operational Measures for Ships
5. Energy Efficiency Management and benefits for the shipping companies

BIODATA OF SPEAKER

Mohammad Hanif Dewan is a Marine Chief Engineer graduated from Bangladesh Marine Academy in 1996. Currently he is working at Malaysian Maritime Academy (ALAM) as a Lecturer. He has been selected as an Assistant Consultant of Marine Environment Division at International Maritime Organization (IMO) to work on Ship Energy Efficiency issues in December 2014. Prior to joining at ALAM, he worked at International Maritime Academy and Cambridge Maritime College in Bangladesh. He is also a registered student for M. Phil. at University Technology Malaysia (UTM) and has undertaken a policy research on Energy Efficiency in Shipping Industry. He maintains a personal free access maritime education website "www.marinestudy.net" for information sharing to the benefit of maritime community. He is also member of IEng, IMarEng, MIMarEST, and MRINA.

Capt. Ir. Hj. Rani Mohd Raji (Rtd)

Chairman

Marine Engineering and Naval Architecture Technical Division, IEM

ANNOUNCEMENTS TO NOTE:

- Preferential admission to talk shall be accorded to IEM members (pre-registration and online registration are NOT required). Telephone and/or fax reservation will NOT be entertained.
- **Non members** may also attend the talk but will need to pay a registration fee of **RM50** and an administrative fee of **RM15**. GST is inclusive.
- For members of affiliated organisations, there will be no registration fee payable. However, they are requested to produce their membership card as proof of membership. For the list of affiliated organisations, please refer to IEM website at www.myiem.org.my under International/MoU.
- Limited seats are available on a "first come first served" basis (maximum 100 participants).
- IEM members are required to produce membership cards for confirmation of attendance (CPD purpose).
- Latecomers will not be allowed to enter if the lecture hall is full nor be entitled to CPD.
- **IEM members who fail to produce their membership cards will be charged a fee of RM25.00. GST is inclusive.**

ADMINISTRATIVE FEE

- Kindly be informed that an administrative fee of **RM15** is payable for talks organized by IEM. GST is inclusive.
- The fee would be used to cover overhead costs, building maintenance expenses as well as contribute to Wisma IEM Building Fund.
- All contributions will be deeply appreciated by IEM.
- Student Members are however exempted.

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CPD/PDP HOURS CONFIRMATION

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Membership No:

Signature: