



# THE INSTITUTION OF ENGINEERS, MALAYSIA

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## TALK ON "THE DESIGN AND CONSTRUCTION OF A MODERN CRUISE VESSEL"

(Organised Jointly by Marine Engineering & Naval Architecture Technical Division, IEM & Malaysia Joint Branch RINA-IMarEST)

BEM Approved CPD/PDP: 2 Hours

Ref No: IEM14/HQ/395/T

Date : 20 November 2014 (Thursday)  
Time : 5.30 pm to 7.30 pm (Refreshment will be served at 5.00 pm)  
Venue : TUS and C&S Lecture Rooms, 2<sup>nd</sup> Floor, Wisma IEM, Petaling Jaya  
Speaker : Mr. Richard Vie, FREng, CEng, CMarEng, FIMarEST

### SYNOPSIS

Richard takes the audience through the design process from the initial concepts through to the moment the contract for the vessel is signed and construction begins. This design process involves a number of stages and from an engineering perspective introduces a number of challenges and often conflicting requirements that need to be balanced to arrive at an optimum ship design for the intended service. Finally, the stages in the ship's construction through to delivery to the operator are briefly described and these highlight the investment needed by the shipbuilder to deliver these large and complex ships in a remarkably short time frame.

### BIODATA OF SPEAKER



Richard Vie, the 112th President of The Institute of Marine Engineering, Science and Technology (IMarEST), is Vice President of Technical Development and Quality Assurance at Carnival Corporate Shipbuilding in Southampton which undertakes design development and project supervision for the cruise vessel building programme across the Carnival brands worldwide. He is currently reviewing Carnival's ship procurement strategy and providing technical leadership on a range of issues related to cruise vessel safety, reliability and protection of the environment.

Richard graduated from University of Surrey with a degree in Mechanical and Marine Engineering and began his career at sea as an engineer officer and then as a project engineer for P&O Three Quays Marine Services. He then joined V Ships, transferring to Sitmar Cruises' new-build programme and remaining in this role after its acquisition by P&O. P&O's cruise division was subsequently demerged to become P&O Princess Cruises and it was acquired by Carnival in 2003.

Richard represents IMarEST on the Engineering Council's Quality Assurance Committee, is a Visiting Professor at the University of Southampton and a member of the Technical Committee of Lloyd's Register of Shipping. In 2014, he was elected a Fellow of the Royal Academy of Engineering.

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

Chairman 2013/2014  
Marine Engineering & 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 be charged a registration fee of **RM50** and an administrative fee of **RM10**.
- For affiliate members, there will be no registration fee. However, they are requested to produce their membership card as proof of membership. For the list of affiliates, please refer [www.myiem.org.my/content/memorandum\\_of\\_understanding-469.aspx](http://www.myiem.org.my/content/memorandum_of_understanding-469.aspx)
- Limited seats are available on a "first come first served" basis (maximum 110 participants).
- IEM members are required to produce your 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 RM20.00.***

### FUNDS FOR IEM BUILDING FUND (WISMA IEM)

- Kindly be informed that IEM will be charging participants **RM10** as administrative fee for talks organized by IEM.
- The fee would be used to cover overhead costs, building maintenance expenses as well as to support the purchase of the new building.
- All contributions will be deeply appreciated by IEM
- Students are however exempted.

Your understanding is greatly appreciated.

### CPD/PDP HOURS CONFIRMATION

Name: .....

Membership No: .....

Signature: .....