



皇家造船師學會暨輪機工程及海事科技學會
香港聯合分會
The Hong Kong Joint Branch of
The Royal Institution of Naval Architects
and the Institute of Marine Engineering, Science and Technology



香港海事科技學會
THE HONG KONG INSTITUTE OF
MARINE TECHNOLOGY

HKIE THE HONG KONG
INSTITUTION OF ENGINEERS
香港工程師學會
Mechanical, Marine, Naval Architecture & Chemical Division
機械、輪機、造船及化工分部



** Notice of Joint Technical Seminar**

Technical Seminar on Green Shipping and Maritime Technology

DATE / TIME:

26 November 2022 (Saturday) / 9:30am – 12:30pm (Registration at 9:00am for on-site participation)

VENUE FOR ON-SITE PARTICIPATION:

The Hong Kong Institution of Engineers, Chan Yat Mei Sophie Room, 9/F Island Beverley, No.1 Great George Street, Causeway Bay, Hong Kong (On-line participation is also available)

PROGRAMME HIGHLIGHTS:

Being part of the Hong Kong Maritime Week 2022 activities, the seminar with three topics on Green Shipping and Maritime Technology have been co-organised by the HKIMT, the HKJB of RINA & IMarEST and HKIE-MMNC Division.

SESSION 1:

“Recent Trend of Technical Development for Ship’s New Designs” by Mr. Bin TIAN

For future Green Shipping and Maritime Technology, this presentation aims to introduce several new fuel types / energy saving devices and their characters, what’s the practical case at the moment: introduce alternative fuels, such as LNG, Methanol, Ammonia, hydrogen, Electricity, etc.; analyze the impact to the new vessel design and the development of the alternative fuel projects; elaborate the implementation of Energy Saving Device to new building vessel and existing fleet; explain what’s the better path to select suitable alternative fuel and energy saving device.

SESSION 2:

“Offshore Development in Hong Kong for Decarbonisation” by Ir Dr. Daman LEE

To cope with the Government of HKSAR’s target to reduce the use of coal in power generation fuel mix and associated carbon footprint in 2030, CLP and HKE proposed to increase the use of natural gas in their power generation portfolio. An offshore terminal is under construction in Southwest Hong Kong to provide the necessary infrastructure to increase the use of natural gas. The offshore facility will provide an offshore jetty for berthing of a Floating Storage and Regasification Unit (FSRU) which will provide storage and regasification facility for importing liquefied natural gas. Offsite fabrication started in mainland China in 2020 and installation in Hong Kong commenced in late 2020 and 2021. With the main structures now installed, onsite hook-up and commissioning are underway, and the terminal is scheduled to commence operations in 2023. Besides being Hong Kong’s first major infrastructure development in offshore environment, with the whole world impacted by COVID-19 in these couple of years, implementation of the HKOLNG project faced a lot of challenges that were never seen before. This presentation will provide an overview of the development and the challenges faced during these difficult times.

SESSION 3:

“Shipping and Digitalization” by Mr. Kaushik ROY

Shipping and digitalization go hands in hands. Digitalization is helping to move fast and transforming the entire supply chains. Some innovations had highest impacts, while others had significant contributions. Benefits of automation is enormous. Both benefits and challenges of Digitalization are discussed in details for better understanding. COVID is a game changer for the digitalization in shipping. The speaker will discuss impacts and pitfalls of digitalization too. Digital management is a key issue for seafarers and shore management including various stake holders. The speaker will provide a digital roadmap and future of digitalization.

BIOGRAPHIES OF SPEAKERS:

Mr. Bin TIAN, Vice President – Hong Kong & South China from Lloyd’s Register Asia

Mr. Bin TIAN was graduated from Wuhan University of Technology (ex. Wuhan Water Transportation Engineer Institute) in 1987, major in shipbuilding. He worked in Guangzhou Shipyard International Co. from 1987 to 1998 as Senior Engineer, with duties involving shipbuilding technical/quality control and management; and worked as Vice Director of Shunde Shipyard, Chief of Steel Cutting/Assembly Workshop etc. Mr. TIAN joined Lloyd’s Register in 1998 and was appointed as General Manager for South China area before taking the current position as Vice President for Hong Kong & South China area. He is familiar with new building inspection & existing ship survey / operation, qualified as Senior Surveyor, ISM/ISPS auditor. In 2021, Mr. TIAN was appointed by Guangdong Society of Naval Architecture and Marine Engineering as Lifetime Expert.

Ir Dr. Daman LEE, Project Director from CLP Power Hong Kong Ltd.

Ir Dr. Daman LEE joined CLP in early 2019 and is responsible for the development of the Hong Kong Offshore Liquefied Natural Gas (LNG) Terminal which is a joint venture project between CLP Power and HK Electric. He oversees the design, tender and construction of the offshore terminal, the subsea pipeline for CLP Power and the corresponding Gas Receiving Station at the Black Point Power Station. Daman started his career with Arup as a geotechnical engineer and later transition into managing infrastructure related projects. He then went on to work on several strategic planning works for HK and lately focusing on delivering marine related projects.

Mr. Kaushik ROY - SHEQ Manager from China Energy Ship Management Co., Ltd.

Mr. Kaushik ROY is an expert in LNG safety, operation, joint venture set-up & management. He is ‘Harvard’ educated negotiator & mediator, expert witness on tankers & gas carriers, Master (LLM) in International Trade Laws from UK & achieved many executive educations, following his successful sea carrier. Kaushik is the first Asian origin Chartered Master Mariner & first in South East/ Far East Asia and China. He fetched the world’s first Green Award to the LNG vessel and the operator. He was involved in Argentina, Indonesia, & Japan’s 1st LNG STS operations & commissioning of Tianjin, Dhabol and Adriatic-LNG terminals. Kaushik is the Vice Chairman of the HKJB of RINA & IMarEST and Committee Member of 3 renowned classification societies being American Bureau of Shipping, Bureau Veritas & Lloyds Register.

LANGUAGE:

The presentation will be delivered in English.

REGISTRATION:

For registration, please fill in the online registration form <https://forms.office.com/r/SqJ7w7Rex2> by 21 November 2022. For queries, please contact Ms. Yoyo Chan, the Honorary Assistant Secretary of HKJB of RINA & IMarEST at email chan.ls.yoyo@gmail.com. Upon confirmation of the registration, depending on the choice of physical seminar or online webinar, the online access link and passcode shall be provided by 23 November 2022. Due to Covid-19 restrictions, the number of physical participants is limited. The physical participants who oversubscribe will get an online access link to join the webinar on first come, first served basis.