



Technical Webinar

Co-Organised by

The Joint Branch of the RINA and IMarEST (Singapore),
The Society of Naval Architects and Marine Engineers Singapore,
and Singapore Shipping Association

Ammonia: The Green Fuel - An Assessment of Practical Aspects

by



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Date : 28 January 2021

Time : The webinar will begin at 5:30 pm and end at 7.00 pm (SGT)

To register your attendance, please click the web-link below:

<https://www.eventbrite.sg/e/ammonia-the-green-fuel-an-assessment-of-practical-aspects-tickets-135989691829>

Please, note this webinar is open to our members and guests. For the benefit of those who had pre-registered, please, do not share the access link further after registration. Log in time starts 30 minutes before the event.



Synopsis

The webinar explores technical and financial feasibility of using ammonia as a marine fuel. Ammonia is considered as one of the zero-carbon-fuel options for marine industry to achieve its carbon emission reduction targets. Although free from carbon emissions, ammonia being a toxic gas with low energy density brings about a set of safety challenges and commercial considerations. The talk discusses how Risk-Based Design (RBD) methodology can be applied to identify and manage critical safety challenges associated with the design of an ammonia fuelled Newcastlemax bulk carrier. It further evaluates the financial viability of this vessel taking into consideration of possible implementation of a maritime carbon pricing.

About the Speaker

Speaker is Lloyd's Register's (LR) regional lead for gas technology aspects in South Asia. He leads service delivery of clean energy projects, LNG/LPG transportation, novel fuel technologies (LNG, LPG, Ammonia, Hydrogen), LNG bunkering etc.

Having joined LR in 2006, speaker has worked globally in LR offices in Korea, London, and Singapore, where he is currently Team Lead - Engineering. He has been involved in multi-functional services including design appraisal, survey, environmental solutions, and gas technology.

He received his degree in Naval Architecture and Marine Engineering from the University of Glasgow, United Kingdom. He also holds an MBA from Singapore Management University, Singapore.