

The Royal Institution of Naval Architects

Design, Construction & Operation of LNG/LPG and Alternative Fuel Ships

29-30 January 2020, London, UK



Call for Papers

The search for alternative fuels in the marine industry is currently driven by an increasing environment awareness and new regulations to be adopted. The IMO sulphur cap on ships operating outside designated emission control areas starting on the 1st January 2020 to 0.50% m/m, and the reduction of GHG emissions from international shipping to 50% by 2050 are creating an incentive to find adequate compliant fuels.



The new strategies for bunkering in short sea and coastal trade as well as floating production, storage and offloading systems are becoming a reality in recent years. The IGF, Gas and other Low Flashpoint Fuels safety Code, has included mandatory provisions for the arrangement, installation, control and monitoring of machinery, equipment and systems using low flashpoint fuels, such as LNG. Nevertheless, provisions for Methyl/Ethyl alcohols, Fuels Cells and Low Flashpoint Oil Fuels are being drafted for first revision of the code.



There is a wide variety of fuel that will be compliant with these sulphur content regulations, such as Liquefied Natural Gas (LNG), Electricity, Biodiesel, and Methanol, Liquefied Petroleum Gas (LPG), Ethanol, Dimethyl Ether (DME), Biogas, Synthetic Fuels and Hydrogen.

RINA invites papers from naval architects, builders, class societies, operators and researchers on all related topics, including but not limited to:



- Design and operation of vessels powered by alternative fuels
- Design of larger capacity carriers, shortsea and coastal carriers
- Floating production and storage
- Issues associated with partial filled tanks
- Ship to ship transfer systems
- Fleet Management
- Supply chain challenges
- Risk Assessment
- Fuel Price trends
- Market strategies

Selected papers may be published in the Transactions of the Royal Institution of Naval Architects

www.rina.org.uk/LNG_ALT2020

- I would like to offer a paper and attach a synopsis of no more than 250 words

Please submit your abstract before 30th September 2019

- I wish to receive details on exhibition space and sponsorship opportunities
- I would like to receive a full programme brochure and registration form

Name:	Position:
Company:	
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Please return to: Conference Department, RINA, 8-9 Northumberland Street, London, WC2N 5DA
by fax on +44 (0)20 7259 5912 or by email: conference@rina.org.uk