



The Royal Institution of Naval Architects
LNG/LPG and Alternative Fuel Ships

29 - 30 January 2020, London, UK

Wednesday 29th January	
08.50-09.20	Coffee and Registration
09.20-09.25	Welcome Address , <i>D. Ponkratov, Technical Director, The Royal Institution of Naval Architects, UK</i>
09.25-09.55	Keynote - <i>Kirsi Tikka, Independent Director and Technical Advisor</i>
09.55-10.30	Purpose designed LNG bunkering vessels (LBV): a 2020 update on characteristics and features <i>R. Tustin, W.-J. Choi, J. Navarro, Lloyds Register, UK</i>
10.30-10.50	Coffee
10.50-11.25	Practical lessons learned from the use of LNG over the past decade <i>G. Plevrakis, ABS, Greece</i>
11.25-12.00	LNG Bunker Vessel Design and Operation <i>K. W. Hutchinson, D. C. Dobson, Safinah Group, UK</i>
12.00-13.30	Lunch
13.30-14.05	Conversion of an LNG carrier to Floating Storage and Regasification Unit <i>R. Bhat, University of Strathclyde, UK</i>
14.05-14.40	A Review of Mooring System Solutions for FSRUs <i>G. Mortola, J. Dunstan, London Marine Consultants Ltd., UK</i>
14.40-15.15	Numerical Investigation on Coupling Dynamic Performance of FLNG and LNG Carrier during Side-By-Side Offloading Operation <i>A. Nair, Houlder, UK</i> <i>Z. Hu, Newcastle University, UK</i>
15.15-15.45	Coffee
15.45-16.20	Port Design for Small LNG Carriers <i>A.P. Crowle, McDermott, UK</i>
16.55-18.30	Discussion and Drinks Reception



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08.55-09.20	Coffee and Registration
09.20-09.55	<i>Future fuels for commercial shipping</i> <i>J. Buckingham, BMT, UK</i>
09.55-10.30	<i>MAN B&W Dual Fuel Engines</i> <i>K. Aabo, MAN</i>
10.30-10.50	Coffee
10.50-11.25	<i>Evaluation of LNG cryogenic energy utilization in seawater desalination on LNG fuelled ships</i> <i>M. Liu, Newcastle University, UK</i>
11.25-12.00	<i>Risk Assessment and Supply chain challenges of LNG as marine fuel</i> <i>J. Gahnstrom, LOC, UK</i>
12.00-13.00	Lunch
13.00-13.35	<i>The challenges of LH₂ and LCO₂ shipping</i> <i>C. Guerrero, Bureau Veritas, France</i>
13.35-14.10	<i>Safe and effective application of ammonia as a marine fuel</i> <i>N. de Vries, C-Job, the Netherlands</i>
14.10-14.30	<i>A performance and emission investigation of a marine diesel fuelled with B20, B50 and B100 microalgae (Schizochytrium sp.) oil without chemical additive</i> <i>H. M Attar, Newcastle University, UK and King Abdulaziz University, SA</i> <i>D. Wu and A. P. Harvey, Newcastle University, UK</i>
14.45-15.05	Coffee
15.05-16.40	<i>A Comparison of Hydrogen and Ammonia for Future Long Distance Shipping Fuels</i> <i>C. J. McKinlay, S. R. Turnock, D. A. Hudson, University of Southampton, UK</i>
16.40-17.00	Final Address and discussion
17.00-17.30	Closure