



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

29 - 30 January 2020, London, UK

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

Session 1 – J. Buckingham

Session 2 – D. C. Dobson



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08.55-09.20	<b>Coffee and Registration</b>	
09.20-09.55	<b>Future fuels for commercial shipping</b> J. Buckingham, BMT, UK	<b>Session 3 – K. W. Hutchinson</b>
09.55-10.30	<b>MAN B&amp;W Dual Fuel Engines</b> K. Aabo, MAN	
10.30-10.50	<b>Coffee</b>	
10.50-11.25	<b>Evaluation of LNG cryogenic energy utilization in seawater desalination on LNG fuelled ships</b> M. Liu, Newcastle University, UK	
11.25-12.00	<b>The challenges of LH<sub>2</sub> and LCO<sub>2</sub> shipping</b> C. Guerrero, Bureau Veritas, France	
12.00-13.00	<b>Lunch</b>	
13.00-13.35	<b>Safe and effective application of ammonia as a marine fuel</b> N. de Vries, C-Job, the Netherlands	<b>Session 4 – J. Buckingham</b>
13.35-14.10	<b>A performance and emission investigation of a marine diesel fuelled with B20, B50 and B100 microalgae (<i>Schizochytrium</i> sp.) oil without chemical additive</b> H. M Attar, Newcastle University, UK and King Abdulaziz University, SA D. Wu and A. P. Harvey, Newcastle University, UK	
14.10-14.30	<b>A Comparison of Hydrogen and Ammonia for Future Long Distance Shipping Fuels</b> C. J. McKinlay, S. R. Turnock, D. A. Hudson, University of Southampton, UK	
14.45-15.05	<b>Coffee</b>	
15.05-16.00	<b>Final Address and discussion</b>	
16.00-16.30	<b>Closure</b>	