



Shipping in Changing Climates International Conference 2017

In association with



4th – 5th September 2017

University College London, Roberts Building, Torrington Place, London, WC1E 7JE

www.lowcarbonshipping.co.uk

Provisional Agenda

Time	Stream 1 – Technology, Data and Performance	Stream 2 – Policy, Trade, Modelling and Finance
0900-0930	Registration/tea & coffee	
0930-1000	Welcome & Keynote speech	
1000-1030	<p>Calculated EEOI improvements using ship energy efficiency methods</p> <p>Santiago Suárez De La Fuente, John Calleya, Rachel Pawling, Tristan Smith; UCL - UK</p>	<p>Future of shipping under 2°C and 4°C pathways</p> <p>Carlo Raucci, Michael Traut, Solmaz Haji; UCL - UK</p>
1030-1100	<p>Investigation of ship motions and fuel consumption with respect to charter party agreements</p> <p>Dominic A. Hudson, Gustav P.D. Galle; University of Southampton - UK</p>	<p>The future demand for shipping in changing climates: four scenarios of global maritime trade</p> <p>Conor Walsh, Nicholas-Joseph Lazarou, Michael Traut, Sarah Mander, Paolo Agnolucci, Tristan Smith, Alice Larkin, James Price, Carlo Raucci, Paul Gilbert; SCC - UK</p>
1100-1130	Coffee break	
1130-1200	<p>Green technology and payback through use of energy recovery</p> <p>Robin Fearnley, Ben Fowler; BMT Defence Services - UK</p>	<p>Global trade scenarios: some lessons from regional case studies</p> <p>Conor Walsh, Sarah Mander, James Price; University of Greenwich - UK</p>
1200-1230	<p>Results from trials of Silverstream® System – Air Lubrication in Newbuilds & Retrofit Cruise Markets</p> <p>Luke de Freitas, Noah Silberschmidt, Dominic Tasker, Takis Pappas and Johannes Johannesson; Silverstream Technologies - UK</p>	<p>Implications of future trade and relative sea-level rise for coastal ports</p> <p>Susan Hanson, Robert J Nicholls; University of Southampton - UK</p>
1230-1330	Lunch	
1330-1400	<p>Assessing the true performance of ships fitted wind assist technologies</p> <p>Osman Turan, Howett, Cui & Day – University of Strathclyde</p>	<p>Assessment of the potential for selected alternative fuels for the maritime sector</p> <p>Julia Hansson, Maria Grahn, Stina Månsson; Chalmers University - SE</p>
1400-1430	<p>Estimation of the Greenhouse effect caused by the Spanish fleet of tugboats</p> <p>Carlos Gonzalez, Carlos Angel Perez Labajos, Emma Diaz Ruiz De Navamuel, Andrés Ortega Piris, Jesus Oria Chaveli, Manuel Angel Andres Roiz - Universidad de Cantabria - Spain</p>	<p>Sustainability transitions in shipping and the role of LNG as a ship fuel - A comparative analysis of Benelux and the eastern Baltic</p> <p>Domagoj Baresic; UCL - UK</p>

1430-1515	Technology Panel	
1515-1545	Coffee break	
1545-1615	<p>Opportunities and constraints of electrical energy storage systems in ships</p> <p>Luke Farrier, Peng Wu, Richard Bucknall; UCL - UK</p>	<p>Towards a balanced view of Arctic shipping: estimating economic impacts of emissions from increased traffic on the Northern Sea Route</p> <p>Dmitry Yumashev, Karel van Hussen, Johan Gille, Gail Whiteman; Lancaster University - UK</p>
1615-1645	<p>Hybrid propulsion systems modelling and comparative assessment</p> <p>Gerasimos Theotokatos, Cong Guan, Kristis Nicolaou, Iraklis Lazakis; University of Strathclyde - UK</p>	<p>A network analysis of vessel operational routes</p> <p>Eoin O’Keeffe, Elena Hauerhof; U-MAS - UK</p>
1645-1715	<p>Fishing vessel power & propulsion: future evolutions</p> <p>John Buckingham, David R Pearson; BMT Defence Services - UK</p>	<p>Industry views on the scope for carbon emissions reduction within the sea freight sector, charting progress towards transition</p> <p>Therese Canning; University of Exeter - UK</p>
1715-1730	Wrap up	
1800-2000	Networking Reception	

Day 2	Stream 1 – Technology, Data and Performance	Stream 2 – Policy, Trade, Modelling and Finance
0900-0930	Registration/tea & coffee	
0930-1000	Calm water resistance and self-propulsion simulations including cavitation for an LNG carrier in extreme trim conditions Matthias Maasch, Osman Turan, Mahdi Khorasanchi - University of Strathclyde	Reducing GHG emissions from shipping – measures and options H. Elizabeth Lindstad; Sintef Ocean AS (MARINTEK) - NO
1000-1030	A Novel Approach for the Holistic Environmental Assessment of Ships Martin Gibson, Alan Murphy, Kayvan Pazouki	Assessment of the magnitude of investment required in low carbon technologies for ships in meeting a 2°C decarbonisation pathway for shipping Nishatabbas Rehmatulla, Carlo Raucci, Tristan Smith, Isabelle Rojon; UCL - UK
1030-1100	On-line data cleaning method for ship energy efficiency system Qizhi Yin, Zhuoran Ding, Xinping Yan, Liu Jie, Guangpu Zhao, Ailong Fan; Wuhan University of Technology - CN	The potential of non-multilateral action to reduce GHG emissions from international shipping Ben Milligan; UCL - UK
1100-1130	Coffee break	
1130-1200	How big data can turn maritime shipping greener Ola Sekkesaeter; University of Geneva - CH	Shipping GHGs, maritime transport costs, trade and economic development Isabelle Rojon, Nicolas Lazarou, Nishatabbas Rehmatulla; UCL - UK
1200-1230	Investigating vessel operation post energy efficiency retrofits Peter Lelliot, Vishnu Prakash, Jean-Marc Bonello; UCL - UK	Regulating greenhouse gas emissions from shipping: common but differentiated responsibilities and non-discrimination Joanne Scott, Isabelle Rojon, Ben Milligan, Nish Rehmatulla, Tristan Smith, Jolene Lin; UCL - UK
1230-1300	Industrial and academic approaches to vessel energy efficiency systems Serena Lim, Andrea Coraddu, Kayvan Pazouki, Alan J Murphy; Newcastle University, UK	Bunkering Impact on Marine LNG WtW Greenhouse Gas Emissions Max Kofod, Shell
1300-1330	Lunch	
1330-1415	Policy Panel	
1415-1445	Modelling and simulation of ship operational energy efficiency: a case	Energy efficiency retrofit selection decision-making in shipping – science or

	study of bulk carrier Ailong Fan, Xinping Yan, Richard Bucknall, Qizhi Yin, Rui Song; Wuhun University of Technology – CN	social experiment? Jean-Marc Bonello; UCL - UK
1445-1515	A data driven approach for ship energy efficiency and maintenance Andrea Coraddu, Luca Oneto, Francesco Baldi, Alan John Murphy; Newcastle University - UK	Competition or cooperation? A study of R&D collaboration in the Japanese maritime cluster Hannes Johnson von Knorring; University of Gothenburg - SE
1515-1530	Coffee break	
1530-1600	Process integration as a tool for the improvement of cruise ships' energy efficiency Francesco Baldi, Kari Tammi, François Maréchal; École Polytechnique Fédérale de Lausanne - CH	Ship finance and climate risk - knowing the waters ahead James Mitchell; Carbon War Room - UK
1600-1630	Electrofuels or hydrogen as marine fuel: a cost comparison Maria Grahn, Selma Brynolf, Maria Taljegård; Chalmers University - SE	Financing sustainable shipping: Save As You Sail (SAYS) experience Natalie Vigar; Sustainable Shipping Initiative - UK
1630-1715	Economics and Finance Panel	
1715-1730	Closing remarks	

Shipping in Changing Climates



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