



# Shipping in Changing Climates International Conference 2017

In association with



4<sup>th</sup> – 5<sup>th</sup> September 2017

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

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## Provisional Agenda

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

1430-1515	<b>Technology Panel</b>	
1515-1545	<b>Coffee break</b>	
1545-1615	<b>Opportunities and constraints of electrical energy storage systems in ships</b> Luke Farrier, Peng Wu, Richard Bucknall; UCL - UK	<b>Digitising shipping and its value to achieve energy savings and emission reductions</b> Ivan Stojanovic, Stephen Brown, Alexandra Ebbinghaus; Shell Shipping & Maritime - UK
1615-1645	<b>Hybrid propulsion systems modelling and comparative assessment</b> Gerasimos Theotokatos, Cong Guan, Kristis Nicolaou, Iraklis Lazakis; University of Strathclyde - UK	<b>A network analysis of vessel operational routes</b> Eoin O’Keeffe, Elena Hauerhof; U-MAS - UK
1645-1715	<b>Fishing vessel power &amp; propulsion: future evolutions</b> John Buckingham, David R Pearson; BMT Defence Services - UK	<b>Industry views on the scope for carbon emissions reduction within the sea freight sector, charting progress towards transition</b> Therese Canning; University of Exeter - UK
1715-1730	<b>Wrap up</b>	
1800-2000	<b>Networking Reception</b>	

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

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

# Shipping in Changing Climates



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