

Shipping in Changing Climates: provisioning the future

Final Programme

18th - 19th June 2014

Hilton Hotel, Liverpool

DAY 1 – 18 th June 2014		
Registration & Networking Lunch MAIN FOYER	11:30	Registration Desk Open
	12:00	Networking Lunch
Session 1: The Global Challenge of Climate Change MAIN LECTURE ROOM	13:15	Opening introduction Professor Paul Wrobel, University College London (UCL)
		Keynote Presentations
	13:20	Keynote Presentation- The role of shipping in avoiding dangerous climate change Professor Kevin Anderson, Tyndall Centre for Climate Change Research, The University of Manchester
	13:45	Keynote Presentation- Climate Change and international trade-the role of shipping Peter Hinchliffe, International Chamber of Shipping
		Main Session
	14:10	Bridging the shipping gap: 2 degrees pathways and carbon pricing Tristan Smith, Solmaz Haji Hosseinloo & Nagore Sabio, Energy Institute, UCL
	14:25	Understanding current and future research priorities within the shipping industry Kate Pike & Natalie Vigar, Southampton Solent University
	14:40	The future of shipping: Decarbonising the shipping industry by 2050 Kjersti Aalbu, Magnus Strandmyr Eide, Tore Longva, DNV GL
	14:55	Panel Discussion 1 – Global Challenge
	15:20	Break

15:50	<p>The transition to a low carbon shipping system: pathways and consequences</p> <p>Sarah Mander, Conor Walsh & Alice Bows-Larkin, Tyndall Centre for Climate Change Research, University of Manchester</p>
16:05	<p>A framework to evaluate integrated systems for hydrogen as fuel in international shipping</p> <p>Carlo Raucci, Christophe McGlade, Tristan Smith & Kim Tanneberger, Energy Institute, UCL</p>
16:20	<p>The role of port cities and networks: reflections on the World Ports Climate Initiative</p> <p>Paul Fenton, Department of Management and Engineering, Linköping University, Sweden</p>
16:35	<p>An agent-based model using evolutionary approaches to explain transitions in the technology of ship engines</p> <p>Florian Senger, Fraunhofer ISI</p>
16:50	<p>Air pollutant emissions at an Aegean island port</p> <p>A. Kotrikla, N Nikitakos & T. Lilas, Department of Shipping, Transport and Trade, University of the Aegean, Chios, Greece</p>
17:05	<p>Panel Discussion 2 – Shipping System</p>
17:30	<p>Poster introductory session – 5 minute presentations</p>
	<p>Ship = CE² : The potential for shipping to embrace the circular economy Paul Gilbert, Tyndall Centre for Climate Change Research, The University of Manchester</p> <p>iTransfer: Innovative Transport Solutions for Fjords, Estuaries and Rivers, experience from North Seas Region Laurienne Tibbles, Institute for Sustainability; Nishat Rehmatulla, UCL Energy Institute</p> <p>Ship Performance Indicator Panos Deligiannis, Neda Maritime Agency Co. Ltd.</p> <p>Studies in the use of monitored fuel consumption data on board ships for vessel efficiency monitoring towards reduced carbon operations Alan Murphy, Kayvan Pazouki, David Trodden, Newcastle University</p> <p>The regulation of greenhouse gas emissions from maritime transport Beatriz Romera, University of Copenhagen</p>

		<p>Opportunities and barriers to a low carbon shipping industry: The role of innovative financing to overcome barriers to implementation Nishatabbas Rehmatulla¹, Sophia Parker¹ & Victoria Stulgis² ¹ UCL Energy Institute ² Carbon War Room</p> <p>Energy Efficient Fishing: Determinant Factors Oihane C. Basurko, Gorka Gabiña, AZTI-Tecnalia, Spain</p>
Poster Session: MAIN FOYER	18:00	Poster Session and Wine Reception
Conference Dinner: Hilton Hotel, Liverpool.	19:30	<p>Conference Dinner at the Hilton Hotel, including three courses, wine and coffee.</p> <p>Conference dinner registration link here</p>

DAY 2- 19 th June 2014		
Session 3: Future shipping fuels and energy saving MAIN LECTURE ROOM		Keynote Presentations
	09:00	<p>Keynote presentation- The role of LNG in shipping Andrew Alderson, Shell</p>
	09:25	<p>Keynote presentation- New Projections of Global Emissions of Maritime Transport 2012 – 2050 Jasper Faber, CE Delft</p>
		Main Session
	09:50	<p>Improving CO2 emissions on a Aframax tanker: A multi-objective study of a marine Organic Rankine cycle Santiago Suarez de la Fuente & Alistair Greig, UCL</p>
	10:05	<p>Turning the tide: the need for sustainable sea transport in the Pacific Alison Newell, University of the South Pacific</p>

	10:20	Mapping the hybrid solutions space John Buckingham, BMT	
	10:35	Panel Discussion 3 – Future Fuels	
	11:00	BREAK	
Session 4: Future shipping propulsion	MAIN LECTURE ROOM	11:20	Maersk Line. Big impact. Big responsibility (working title) (TBC) Maersk Line
		11:35	The shipping forecast: wind power technology, weather models and fuel savings Michael Traut & Paul Gilbert, Tyndall Centre for Climate Change Research, The University of Manchester
		11:50	Zero emission fishing Stuart Balfour, Sail Line Fish Ltd.
		12:05	The potential for sustainable sea transport: a case study of the Southern Lomiaviti Amelia Bola, Sustainable Sea Transport Research Programme, University of the South Pacific
		12:20	Panel Discussion 4- Future Propulsion
		13:00	Lunch
Session 5: Future trade	MAIN LECTURE ROOM		Keynote Presentation
		13:45	Keynote Presentation- Global Marine Fuels Trends 2030 Katharine Palmer (Lloyd's Register)
		14:10	Indirect impacts of stringent mitigation policies on shipping: a review of global energy scenarios Maria Sharmina, Tyndall Centre for Climate Change Research, The University of Manchester
		14:25	Impacts of the Promotion of Renewable Energy on Shipments of Energy Carriers – Historic Background and some Preliminary Insights from Germany Andreas Pastowski, Wuppertal Institute for Climate, Environment and Energy

	14:40	Exploring the drivers for historical patterns of seaborne trade Conor Walsh, Sarah Mander, Paolo Agnolucci, Tyndall Centre for Climate Change Research, The University of Manchester and UCL Energy Institute
	14:55	Panel Discussion 5 – Future Trade
	15:30	BREAK
Session 6: Energy Efficiency MAIN LECTURE ROOM	15:50	Ships and Waves Reaching Polar Regions Yevgeny Aksenov (NOC) ¹ , Laurent Bertino (NERSC) ² , Timothy Williams (NERSC), Lucia Hosekova (NOC), Gurvan Madec (NOC, LOCEAN ³), George A. Nurser (NOC)
	16:05	A marine engineering plant model to evaluate the efficiency and CO2 emissions from crude oil carriers Joel Perez Osses, Richard Bucknall, Department of Mechanical Engineering, UCL
	16:20	Energy Efficiency and Time Charter Rates: some evidence quantifying the extent to which energy efficiency savings are passed onto ship owners in the Panamax dry bulk market Paolo Agnolucci, Tristan Smith, Nishat Rehmatulla, Energy Institute, UCL
	16:35	Panel Discussion 6 – Energy Efficiency
Closing remarks	17:00	Closing remarks

¹National Oceanography Centre, Southampton, UK

² National Energy Research Scientific Computing Centre, USA

³ Laboratoire d’Océanographie et du Climat, France