



Low Carbon Shipping 2012

All presentations take place at the Kings Road Centre, Newcastle University

Tuesday 11th September

1200-1330 Registration & Buffet Lunch

1330-1400 Conference Opening and Introductory Remarks

		Track 1A - Bamburgh Room, Chair: T Smith
1400-1430	Mander et al	A systems perspective on decarbonising the UK energy system – the impacts on shipping emissions.
1430-1500	Banks et al	Seafarers' current awareness, knowledge, motivation and ideas towards low carbon energy efficient operations.
1500-1530	Gilbert et al	Mutiny on the high seas: an alternative approach to exploring technology-led mitigation in the shipping sector.
		Track 1B – Lindisfarne Room, Chair: M Woodward
1400-1430	Buckingham	Naval economy and flexibility.
1430-1500	Badoe et al	Numerical propeller rudder interaction studies to assist fuel efficient shipping.
1500-1530	Trodden et al	Reduction of greenhouse gas emissions by propeller design for ship-in-service conditions.

Coffee 1530-1600

		Track 2A - Bamburgh Room, Chair: P Wrobel
1600-1630	Traut et al	Low carbon for the high seas: flettner rotor power contribution on a route Brazil to the UK.
1630-1700	Smith et al	What is an appropriate measurement and apportionment strategy for international shipping?
1700-1730	Walsh et al	A new method for estimating national-scale CO2 from shipping: preliminary results from a UK study.
		Track 2B – Lindisfarne Room, Chair: O Turan
1600-1630	Tian et al	A holistic ship model for variable speed generation system on a RoRo vessel.
1630-1700	He	Modelling and control of fuel cell and micro gas turbine hybrid power system for ship application.
1700-1730	Stott	New Panamax and its implications for ship design and efficiency.

Conference dinner *River Terrace Restaurant, Baltic Centre for Contemporary Art:*

Pre-dinner drinks (1830-2000) followed by conference dinner (2000), Baltic, Quayside. Delegates will also, should they so wish, have an opportunity to visit our research vessel, The Princess Royal, which will be berthed alongside.





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Wednesday 12th September

0900-0930 Plenary: Paul McStay, LR Senior Environmental Specialist, and the Chair of the IACS Environmental Expert Group.

		Track 3A - Bamburgh Room, Chair: J Dinwoodie (LRN Maritime Logistics Workshop)
0930-1000	Mangan et al	The relationship between transport logistics, future ship design and whole system efficiency.
1000-1030	Rigot-Muller	Estimating UK-centric maritime emissions.
1030-1100	Schwientek et al	The contribution of terminals to reduce the carbon footprint of maritime transportation renewable sources for a seaport container terminal.
		Track 3B – Lindisfarne Room, Chair: P Stott
0930-1000	Howett	Lowering carbon emissions in shipping through improved hull form design for realistic operating conditions.
1000-1030	Kohler	An agent-based model of transitions to sustainability in long-haul freight transport.
1030-1100	Rehmatulla	Implementation barriers to low carbon shipping.

Coffee 1100-1130

		Track 4A - Bamburgh Room, Chair: J Mangan (LRN Maritime Logistics Workshop)
1130-1200	McKinnon et al	An Assessment of the Contribution of Shippers to the Decarbonisation of Deep-Sea Container Supply Chains.
1200-1230	Rigot-Muller	Estimating container transshipment to and from the UK.
1230-1300	Dinwoodie et al	Oil tanker flows involving the UK to 2050: a Delphi survey.
		Track 4B – Lindisfarne Room, Chair: R Norman
1130-1200	Aldous	Speed optimisation for LNG carriers: a techno-economic model.
1200-1230	Sciberras	Auxiliary drives for emissions reduction.
1230-1300	Yu	Optimising the operation of a large two-stroke marine engine for slow steaming.

Lunch 1300-1400: Two options (1) Regular lunch or (2) Join a 'Greek Symposium' focus group discussion (Greek themed refreshments provided©) led by Stavros Karamperidis, a final year PhD at Newcastle, on the development of an index of maritime costs and connectivity for the UK.

		Track 5A - Bamburgh Room, Chair: C Lalwani (LRN Maritime Logistics Workshop)
1400-1430	Ward	Industry presentation: Dubai Ports World and the London Gateway.
1430-1500	Hill & Cabos	Industry presentation: Damco.
1500-1530	W J Beerthuis	Industry presentation: Heineken.
		Track 5B – Lindisfarne Room, Chair: A Day
1400-1430	Bucknall	Carbon emissions reduction using electric technologies.
1430-1500	Landamore et al	What is the future demand for shipping?
1500-1530	Azqueta et al	Energy balance of a fuel cell system for onboard auxiliary power generation.

Coffee 1530-1600, followed by panel discussion 1600-1630, Conference close 1630.

