Conference will be held from 22\textsuperscript{th} to 24\textsuperscript{th} of June 2011 at University of Strathclyde, Department of Naval Architecture and Marine Engineering.

**Accommodation:**
University of Strathclyde is situated in the heart of Glasgow and there is a range of hotels within walking distance of the University. Single en-suite accommodation with full Scottish breakfast is available at the University. We will also provide a list of hotels that you can book directly.

**Transport:**
Glasgow International Airport has regular international and national flights with connections to major airports. Edinburgh Airport is only 45 minutes away with very regular train connections. There is also Prestwick Airport for budget airlines and 45 minutes away from Glasgow with regular direct train connections.

For more information; [http://www.seeglasgow.com/](http://www.seeglasgow.com/)

**ABSTRACT SUBMISSION AND REGISTRATION**
You are invited to submit your abstract for LCS 2011 Conference
You can submit your abstract (not exceeding 250 words) by sending your abstract to: submit-abstract@lcs2011.com

ABSTRACT SUBMISSION DEADLINE: 15th MARCH 2011
PAPER SUBMISSION DEADLINE: 15th MAY 2011

Registration
STANDARD FEE: £200
AUTHORS: £200
STUDENTS: £100
FEE INCLUDES CONFERENCE COCKTAIL, CONFERENCE DINNER, LUNCHES, COFFEES, VISITS AND CONFERENCE PROCEEDINGS (HARDCOPY AND CD)

http://www.lcs2011.com
Background:
In many arenas there is growing concern about the environment and climate change. In 2007, international shipping contributed approximately 3% of global anthropogenic CO2 emissions. For this reason, the sector needs to address these important issues, particularly as it is expected that its global share of CO2 emissions will continue to increase. The industry (including users of shipping’s services, operators of ships, manufacturers of ships and equipment) has been exploring a number of ways in which it could increase shipping’s energy efficiency and reduce its CO2 emissions. In addition, there have been a number of national, international and joint industry/academic activities to research the subject. Therefore, the main aim of the LCS2011 conference is to; facilitate the exchange of knowledge, the development of new ideas and the enhancement of collaboration between industry and academia.

Conference Topics:
Technology for low carbon shipping including:
Energy efficiency through design and hull/propulsor interaction
Retrofitting existing ships for energy efficiency
Energy efficient conventional propulsion systems
Alternative power sources and renewable energy sources for shipping

Vessel operation for low carbon shipping including:
Voyage optimisation
Maintenance for energy efficiency
Crew training and skill enhancement for energy efficiency
Novel ship operation
Onboard energy management

Shipping operation for low carbon shipping including:
Logistics optimisation
Low carbon supply chains
Fleet management for low carbon shipping
Economics of energy efficiency and low carbon
The role of ports in low carbon shipping

Contextualising shipping’s role in a low carbon society including:
Evaluating regulatory impacts on the shipping industry
Measuring and mapping shipping’s emissions
Interactions between shipping’s CO2 emissions and other environmental impacts

Local Organising Committee:
- Osman Turan
- Atilla Incecik
- David Clelland
- Sandy Day
- Peilin Zhou
- Dracos Vassalos
- Thelma Will, Conference Secretary
- Charlotta Banks
- Iraklis Lazakis
- Rafet Emek Kurt
- Dimitris Mermiris
- Dimitris Sfakianakis
- Ivy (Ho-Chun) Fang

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The conference is organised in association with RCUK ENERGY Low Carbon Shipping project partners which include

UNIVERSITY COLLEGE LONDON BRITISH WATERWAYS
NEWCASTLE UNIVERSITY MAERSK
UNIVERSITY OF HULL BP SHIPPING
UNIVERSITY OF PLYMOUTH FISHER
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