We invite you to attend the second conference on one of the key issues for the future of shipping: ship efficiency. Why is efficiency so important? In an industry characterised by increasingly keen competition on a global scale, the key to survival is designing, building and operating ships efficiently. An efficient ship is profitable and environmentally compatible. The aim of Ship Efficiency is to create a forum where all stakeholders learn from each other and return home with plenty of fresh ideas and practical solutions. The conference generally addresses the following topics:

*How to improve the efficiency of shipping operations*

*How to increase a ship’s profitability*

To register and to be kept updated on programme details and speakers, go to www.ship-efficiency.org

Impressions from the 1st Conference 2007

More than 150 participants from all over the world attended the first conference.
The Conference Programme is structured as follows:

Ship Operation and Ship Design

- Fuel Efficiency versus Safety in Ship Design (FSG, D)
  How much fuel is safety allowed to cost?, main dimension restrictions, optimization for various operational conditions
- Energy Efficiency Design Index – EEDI (TUHH, D)
  Principles, base line definitions, application consequences
- Cost Savings by Hydrodynamic Measures (Grieg Shipping Group, N)
  Reduction of speed, trim optimization, power saving devices incl. new developed pre-swirl duct
- Summary of the A. P. Møller-Mærsk Energy Efficiency Initiatives (DK) – Ship design, retrofit, performance management, operational optimization
- Cost Efficient Ship Operation (DNV, N)
  Voyage planning, bunker management, hydodynamics, management and organizational aspects
- Reduction of Operation Costs (FutureShip, D)
  Saving potentials in resistance, propulsion, main engine, auxiliaries and other onboard consumers
- CO₂ Maintenance Index (Propulsion Dynamics, USA)
  Intervals for hull/propeller, spot blast versus full-blasting, coating systems, effect of wake ducts/propeller caps etc.
- Ship Service Performance (MARIN, NL)
  Measurement parameters, analyses, fouling, fuel saving, trim optimization, power-saving devices, reduction of speed
- Shipboard Weather Routing – Operational Benefits (GL, D)
  Prevention of damages, hull response monitoring, efficient ship scheduling, experience and further development
- Increased Efficiency by Crew Training Simulation (MTC, D)

Future Fuels and Efficient Power

- Gaseous Fuels – Operational Aspects (Wärtsilä, FIN)
  Dual fuel versus pure gas engines, efficiency and emission aspects, cold ironing versus gas driven engines
- Gaseous Fuels – Safety Aspects (BV, F)
  Safe operations of gas engines, risk analyses, rules and regulations
- Use of Wind Energy (SkySails, D)
  Potential of Sky Sail system, first operational result, future developments
- 4 Stroke Engines – Efficiency and Emissions (Cat, USA)
  New developments, NOX reduction, exhaust gas treatment
- 2 Stroke Engines – Efficiency and Emissions (MAN, D)
  New developments, gaseous fuel and low sulfur aspects
- Energy Efficient Engine Room Ventilation (Witt & Sohn, D)
- Heavy Fuel Oil Additive Options (Neo Petcon, India)
Conference Language: English

Venue: Hotel Hafen Hamburg (www.hotel-hafen-hamburg.de)

Special Hotel Rates: If booked prior to August 21 at
Hotel Hafen Hamburg (STG-HH-240909)
Madison Hotel Hamburg (STG Ship Efficiency)
Maritim Hotel Reichshof (STG-HH)
Empire Riverside (Ship Efficiency280909)
Hafentor (STG)
Lindner (Ship Efficiency 2009)
Please quote booking code (in brackets above) when booking.
For booking and rates, see www.ship-efficiency.org

Programme:

September 28
9:00 – 10:00 Registration, Welcome
10:00 – 13:00 Papers on Ship Operation and Ship Design
13:00 – 14:30 Lunch
14:30 – 17:30 Papers on Ship Operation and Ship Design (cont'd)
19:00 Conference dinner with keynote speaker

September 29
9:00 – 13:00 Papers on Future Fuels and Efficient Power
13:00 – 14:30 Farewell buffet

Conference Fees: If booked prior to August 21 Full fee
Participants* € 650 € 750
STG-Members € 500 € 600
Members of RINA/SNAME/JASNAOE/SNAK € 500 € 600
IMarEST/SSNAME/IME/HIMT
Students/Pensioners (STG members only) € 100 € 100
* STG membership can be applied for online

The conference fee includes proceedings on a CD, admittance at all technical sessions, lunches and refreshments, conference dinner and farewell buffet.