2011

SHIP EFFICIENCY

by STG

3rd International Conference

Hamburg, 26 – 27 September 2011

www.ship-efficiency.org

Costs and emissions → How to make ships more efficient

The German Society for Maritime Technology
Schiffbautechnische Gesellschaft e.V.

3rd Ship Efficiency Conference 2011

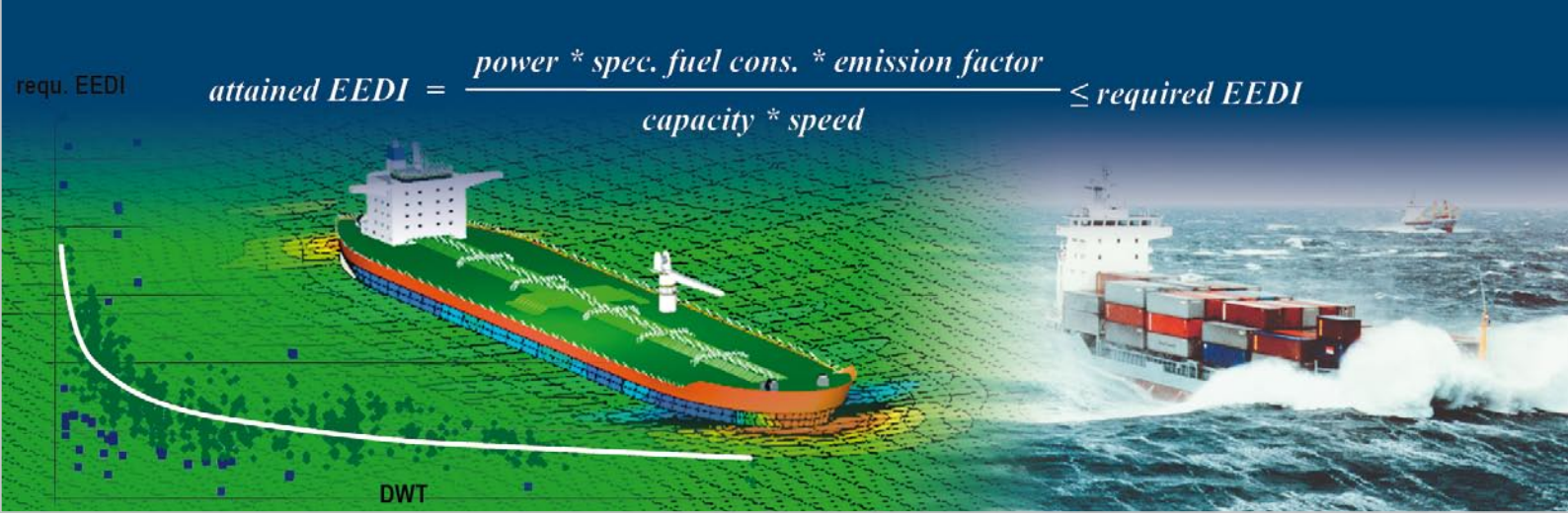
We invite you to attend the third conference on ship efficiency. Why is efficiency so important? In an industry characterised by increasingly keen competition on a global scale, the key to survival is designing, building and operating ships efficiently. An efficient ship is profitable and environmentally 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. Please register as soon as possible since the capacity of the conference room is limited.

Impressions from the 2nd Conference 2009

More than 200 participants from 24 countries attended the second conference.



The Conference Programme

Ship Operation and Ship Design

- **Regulatory Steps to Ship Efficiency – A View from International Shipping (International Chamber of Shipping, United Kingdom)** Shipping industry view of regulatory measures on efficiency being pursued at IMO and UNFCCC
- **Can IMO-Regulations Initiate Innovations? (Swiss Climate, Switzerland and Ahrenkiel Shipmanagement, Germany)** Swiss Climate and Ahrenkiel Shipmanagement show their experience with the implementation of the SEEMP and the EEOI
- **Efficiency of Maritime Transport - A System Approach from the Logistics Perspective (Fraunhofer Center for Maritime Logistics, Germany)** The ship-port-system as a logistics issue, system efficiency: measures/effects/interactions, strategy implications and outlook
- **A Crucial Analysis of Energy Saving Methods and their Implementation on Board** (Columbus Shipmanagement, Germany)
- **STX Advanced Technologies for GREEN DREAM (STX, Korea)** The practical applications of STX green technologies for merchant vessels
- **Green Bulkers Now and in the Future (Grontmij | Carl Bro, Denmark)** Emission reduction to comply with future legislation, fuel efficiency, energy efficiency
- **Performance Monitoring and Analysis for Operational Improvements (NYK-Line, Japan)** Automatic data logging onboard, performance monitoring onboard and at shore, voyage performance analysis report, combination with weather routing, case studies
- **DSME Green-Ship Technology - BUILD ECONOLOGY (DAEWOO, Korea)** Lower emission, higher fuel saving and advanced environmental friendly design features of DSME containerships
- **Energy Saving Devices/Solutions - A Framework for Decision Making (MARIN, The Netherlands)** Refit options, operational context, assessment tools and outlook
- **Marorka – Empowering Sustainability Winners (Marorka, Island)** Challenges in marine energy management, opportunities in energy management, combining technical solutions and methodology energy management vision

Future Fuels and Efficient Power

- **Development of the Marine Fuel Market – An Overview (TUHH, Germany)** The future of HFO, low sulfur fuels, gas and bio fuels
- **Gas as Fuel - Storage and Bunkering (TGE Marine Gas Engineering, Germany)** Supply logistics, tank concepts, safe and efficient bunkering of gas, shipboard gas supply plants
- **Latest Developments and Operational Experience with Dual Fuel Engines (Wärtsilä, Finland)** Dual fuel engines for direct propulsion with CPP, auxiliary dual fuel engines, experience regarding maintenance after 5 years operation
- **Exhaust Gas Recirculation on 2-stroke Engines – An Efficient Solution for Emissions Compliance (MAN, Denmark)** Description of the technology, R&D activities, installation aspects, operational considerations
- **Engine Performance Optimization by Permanent use of Holistic Expert Condition Monitoring System (AVL, Austria and Kongsberg, Norway)** Engine performance optimization opportunities, concept of AVL EPOSTM as expert condition monitoring system, integration into Kongsberg K-Chief 600 automation system as part of Kongsberg's vessel performance monitoring, field experiences
- **Efficient Turbochargers - Latest Developments (ABB, Switzerland)** Two-stage turbochargers, operation with exhaust gas recycling, heat recovery systems
- **Energy Efficient Gas Propulsion System with Hybrid Shaft Generator (Rolls Royce Marine, Norway)** Introduction of a pure gas engine in shipping, fuel consumption/emissions/methane slip, operational experience and maintenance, hybrid shaft generator concept

Conference Language: English

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

Special Hotel Rates:

If booked prior to August 20 at
Hotel Hafen Hamburg (STG-HH-220911)
Maritim Hotel Reichshof (STG/Ship Efficiency)
Hafentor (STG Ship Efficiency)
Please quote booking code (in parentheses above) when booking.
For booking and rates, see www.ship-efficiency.org

Programme:

September 26

9:00 – 10:00	Registration and 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 27

9:00 – 13:00	Papers on Future Fuels and Efficient Power
13:00 – 14:30	Farewell Buffet

Conference Fees:

	If booked prior to August 20	Full fee
Participants*	€ 750	€ 850
STG-Members	€ 590	€ 690
Members of RINA/SNAME/JASNAOE/SNAK IMarEST/SSNAME/IME/HIMT	€ 590	€ 690
Students/Pensioners (STG members only)	€ 150	€ 150

* 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.

Schiffbautechnische Gesellschaft e.V.
Bramfelder Straße 164
22305 Hamburg/Germany
E-mail: office@stg-online.de
Phone: +49 (40) 690 49 10, Fax: +49 (40) 690 03 41
www.ship-efficiency.org