

2007



# SHIP EFFICIENCY

by STG

Announcement

1<sup>st</sup> International Conference

Hamburg, October 8 – 9 2007

Increasing fuel prices and emissions → How to make ships more efficient



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

# Why ship efficiency?

We are inviting you to attend the first 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 this 1st International Conference on Ship Efficiency is to create a forum where all the stakeholders can learn from each other and return home with plenty of fresh ideas and practical solutions. The Conference will focus on the following issues:

*How to improve the efficiency of shipping operations*

*How to increase a ship's profitability*

## DEFINING INTELLIGENT SOLUTIONS

The Conference Programme will look for answers to the following questions:

### 1) Future Fuels and Efficient Power

- Future availability of marine fuels:

*Which fuel will make the pace?*

- Heavy fuel: *Is there any alternative?*

- Influence of environmental legislation:

*To what extent is ship efficiency influenced by politics?*

- Power Generation:

*How to match environmental and economical challenges?*

- Internal combustion engines:

*Is there room for improvement?*

- Two-stroke prime movers:

*How can reliability and availability be raised?*

- Exhaust gas for propulsion:

*How efficient are state-of-the-art methods?*





## 2) Ship Design

- Twin-screw propulsion concepts:  
*Is redundancy less efficient?*
- Safety regulations:  
*How can they be applied more economically?*
- Long lifetime design:  
*Does quality make sound business sense?*
- Efficient hull forms: *How much power can be saved?*
- Combined propulsion manoeuvring systems:  
*How much power is wasted in a ship's aft body?*

## 3) Ship Operation

- Fleet optimisation:  
*What benefits does strategic planning bring?*
- Alternative coatings: *Can silicone keep its promise?*
- Port logistics: *What are the limits to growth?*
- Weather routing: *What methods can optimise routing?*
- Bunkering strategies:  
*Can bunkering be made safer and more efficient?*



Conference language: English

Venue: Hotel Hafen Hamburg ([www.hotel-hafen-hamburg.de](http://www.hotel-hafen-hamburg.de))

Special hotel rates: When booked by September 7 at  
Hotel Hafen Hamburg (STG-HH-051007)  
Madison Hotel Hamburg (STG-HH)  
Maritim Hotel Reichshof (STG-HH)  
Please quote the booking code (in brackets above) when booking.

#### PROGRAMME:

##### October 8

9 – 10 a.m.: Registration  
10 a.m. – 1 p.m.: Papers on Ship Operation  
1 – 2.30 p.m.: Lunch  
2.30 – 5.30 p.m.: Papers on Ship Design  
7 p.m.: Conference dinner with keynote speaker

##### October 9

9 a.m. – 1 p.m.: Papers on Future Fuels and Efficient Power  
1 – 2.30 p.m.: Farewell buffet

#### CONFERENCE FEES:

	Early registration	Full fee
Participants	€ 650	€ 750
STG/RINA/SNAME/JASNAOE/SNAK Members	€ 500	€ 600
Students	€ 100	€ 100

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

Details regarding programme, speakers and registration will be announced beginning of May.

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