We invite you to attend the sixth conference on one of the key issues for future shipping: ship efficiency. The German Society for Maritime Technology, STG, launched this series of conferences to provide a platform for maritime leaders to exchange interdisciplinary ideas and expertise on questions related to Ship Efficiency.

To register and to be kept updated on programme details and speakers, go to www.ship-efficiency.org. Please register soon as the capacity of the conference room is limited.

During the conference there will be an exhibition in the field of energy saving where leaders of the maritime industry will present innovative products and services.

The STG is very much pleased to confirm the following presentations up to now:

**Ship efficiency in a more and more regulated environment**

- The Path to Ship Efficiency
  Wolfram Guntermann, Hapag-Lloyd AG, Germany

- New environmental Regulation and a broader view on impacts for efficient shipping
  Matthias Wiese, DNV GL SE, Germany

- Significance of environmental policy for the transport by sea
  Kathrin Brost, DHL Global Forwarding, Bonn

- VLCV – Challenges for Ports and Hinterland Infrastructure
  Günther Bonz, EUROGATE Container Terminal Hamburg GmbH, Germany

- Hybrid approaches for onboard power generation and propulsion drives
  Kay Tigges, Siemens AG, Germany

- The road towards autonomous shipping
  Oskar Levander, Rolls-Royce Marine, Finland

- Panel discussion: “Unmanned and autonomous ships – between desire and reality”
  Recognized experts from the marine industry and leading shipping companies will give their views
  Moderator: Hermann J. Klein, STG, Germany
  Anthony J. Firmin, Hapag-Lloyd AG, Germany
  Carlos Jahn, Fraunhofer Center for Maritime Logistics and Services CML, Germany
  Oskar Levander, Rolls-Royce Marine, Finland
  Pierre Sames, DNV GL, Norway

- Conference dinner speech: German Shipping policy in a challenging international environment
  Achim Wehrmann, Federal Ministry of Transport and Digital Infrastructure, Germany

**How to save fuel costs on different ship types**

- Fuel Consumption Measurement in IMO and EU Ship Fuel Consumption Monitoring, Reporting and Verification (MRV)
  Andreas Maier, KRAL AG, Austria

- Energy efficiency improvements for PCTC vessels, present and future
  Martin v. Sydow, Wallenius Marine, Sweden

- Operational profile optimization and energy saving device study on a container ship
  Jinbao Wang, MARIC, China

- Fleet Performance Program - a must to survive for bulk carrier and container ship owners
  Bart Rombouts, CMB Group, Belgium

- Fuel efficient tanker design
  Karsten Hochkirch, DNV GL SE, Germany

- Efficient Design and Operation of Cruise Vessels
  Sebastian Sala, Carnival Maritime GmbH, Germany

**Conference Language:** English

**Venue:** Hotel Hafen Hamburg

**Special Hotel Rates:** If booked prior to August 10 at Hotel Hafen Hamburg (Ship Efficiency 25.–26.09.2017)

Please quote booking code (in parentheses above) when booking.

For booking and rate, see www.ship-efficiency.org

**September 25**

- 9.00 – 9.45 Registration and welcome
- 9.45 – 15.45 Presentations
- 15.45 – 17.30 Panel discussion
- 19.00 Conference dinner with keynote speaker

**September 26**

- 9.00 – 13.00 Presentations
- 13.00 – 14.30 Farewell Buffet

**Conference Fees:**

<table>
<thead>
<tr>
<th>Participants</th>
<th>Full fee</th>
<th>If booked prior to September 6</th>
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<tbody>
<tr>
<td>€ 850</td>
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<tr>
<td>STG-Members</td>
<td>€ 690</td>
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<tr>
<td>Members of affiliated societies*</td>
<td>€ 690</td>
<td>€ 790</td>
</tr>
<tr>
<td>Students/Pensioners</td>
<td>€ 200</td>
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*see registration (www.ship-efficiency.org)

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

After this conference: You are invited to attend the first workshop (free of charge) of the German funded research project ProEis – “Influence of the ship’s hull design on the propulsion efficiency and the loads on the propeller induced by ice” (see www.stg.online.de)