The 39th Motorship Propulsion & Emissions Conference 2017

10-11 May 2017 | Grand Elysee Hotel | Hamburg | Germany

Supported by:

Conference Programme

FUTURE PROOFING YOUR FLEET

Building or retrofitting vessels fit for the future, whatever it may hold, is more challenging than ever before. Environmental regulations, economic pressures and technological advances are already reshaping how the global merchant fleet is fuelled, powered and equipped. In light of these challenges, the 39th Motorship Propulsion & Emission Conference brings together owners/operators and equipment manufacturers to discuss technical advances and in-the-field experiences that will equip the industry to ‘future-proof’ the global merchant fleet.

Chaired by Lars Robert Pedersen, Deputy Secretary General, BIMCO and Dr Martin Kröger, Managing Director, VDR – German Shipowners’ Association

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Book online at www.propulsionconference.com
**Why you should attend**

In 2016, the conference attracted delegates from 19 different countries from a plethora of sectors that make up the global shipping industry with 26% of our attendees being CEO/Director level. Now recognised as the most technically informative seminar for the global shipping industry and supported by German Shipowners’ association (VDR) and Danish Maritime, amongst others, the 39th Motorship Propulsion & Emissions Conference should not be missed.

**Preferential rates**

To ensure the Motorship Propulsion & Emissions Conference is readily accessible for ship owners, ship operators and managers worldwide, we are pleased to offer these companies preferential rates to attend.

To obtain codes for reduced rates, please contact the Events team on: +44 1329 825 335 or email conferences@propulsionconference.com

**Welcome Reception**

Blohm + Voss invite all attendees to the exclusive “Hafen-Club” (Harbour Club) at 7pm for drinks, nibbles and networking at their Welcome Reception. The location offers a stunning view of the river Elbe and overlooks the Blohm + Voss docks. An invitation is included in all delegate places, so book yours now!

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**TUESDAY 9 MAY 2017**

**19.00 Welcome Reception sponsored by Blohm & Voss**

**DAY ONE – WEDNESDAY 10 MAY 2017**

**08.00 COFFEE AND REGISTRATION**

**08.40 Welcome and Introduction by day one Conference Chairman**
Lars Robert Pedersen, Deputy Secretary General, BIMCO

**09.00 Welcome from the 2017 Gold Sponsor**
Geir Dugstad, Vice President, Technical Director Maritime and Ship Classifications, DNV GL

**Keynote addresses – Future proofing your fleet to comply with forthcoming regulations**

**09.05 Stefan Michellet, Director, Marine Environment Division, International Maritime Organisation (IMO)**

**09.25 Ole Graa Jakobsen, Vice President, Head of Fleet Technology, Fleet Management & Technology, Maersk Line**

**09.45 QUESTIONS & ANSWERS**

**10.00 Session One - Operator panel: Preparing the global fleet for future challenges**
Panellists: Ole Graa Jakobsen, Vice President, Head of Fleet Technology, Fleet Management & Technology, Maersk Line, Tor Øvind Ask, Fleet Director, Solvang ASA, Thomas David, Head New Building, Shipmanagement, John T. Esbøger, Wolfgang Guntermann, Director Environmental Management, Ship Management, Hapag-Lloyd. Invited: Harry Robertson, Technical Director, Stena Teknik, Per A. Brinchmann, Vice President, Technical, Wärtsilä

**10.45 COFFEE & NETWORKING**

**Session 2 – Cutting edge engine performance**
A round-up of the latest technical developments from major low-speed and medium-speed engine developments addressing improvements in fuel efficiency and emissions compliance.

**11.15 ME-GI enges update plus Q&A**
Rene Søjer Laursen, Mechanical Engineer, M.Sc., MAN Diesel & Turbo

**11.40 Performance Optimization for Tier III compliance of WinGD 2-stroke engines**
Thomas Werner, Tier III Programme Manager, WinGD

**11.45 Latest engine technology for Wärtsilä Marine 4-stroke engines plus Q&A**
Paikin Wilgar, Product Director, Wärtsilä Marine Solutions

**12.05 Latest engine technology for Wärtsilä Marine 4-stroke engines plus Q&A**
Paikin Wilgar, Product Director, Wärtsilä Marine Solutions

**12.30 Drive Train Optimization plus Q&A**
Jonas Nyberg, Product and Development Manager, Caterpillar Propulsion

**12.55 LUNCH & NETWORKING**

**Session 3 – Emerging technologies for cylinder conditioning**
How technical advances in lubrication oils and systems are enabling operators to meet environmental challenges, avoid unnecessary maintenance and safeguard engine performance.

**14.15 A multi-fuel future: the impact of the IMO global sulphur cap on fuel and lubricant selection plus Q&A**
Iain White, Global Marketing Manager, ExxonMobil Marine Fuels & Lubricants

**14.35 Reducing risks of system failure through proactive condition monitoring plus Q&A**
Larry Rumbol, Marine Condition Monitoring Manager, Parker Kitt身为wear

**14.55 Potential for CO2 emission reduction of low viscosity and low friction lubricants in 4-stroke medium speed marine engines plus Q&A**
Jean-Philipe Roman, Technical Director, TOTAL Lubmarine

**15.35 Advanced lubrication strategies for reliability and minimised Operational Expenditure plus Q&A**
John Shackel, Product Application Specialist Marine, Shell Global Solutions

**15.55 Panel Discussion on Emerging technologies for cylinder conditioning**
Panellists to include: Rene Søjer Laursen, Mechanical Engineer, M.Sc., MAN Diesel & Turbo, Thomas Werner, Tier III Programme Manager, WinGD

**16.15 COFFEE & NETWORKING**

**Session 4 – Turbochargers for today’s shipping market**
How the latest generation of turbochargers can optimise efficiency and performance while meeting the realities of today’s shipping market, with a focus on increased power density, reduced footprint and optimisation for part-loads and slow steaming.

**16.40 Two-stage turbocharging developments plus Q&A**
Paolo Tremul, Senior Manager Sales & Application Engineering, ABB Turbocharging

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17.00 Developments in turbocharging technology for medium speed engines plus Q&A
Mr. Klaus Buchmann, Head of Engineering, Kompressorenbau Banneitz (KKB)
The latest developments from KKB, manufacturers of one-stage exhaust-gas turbochargers for medium-speed diesel and gas engines for marine applications, that can be used from 500 to 4,800 kW output range.

17.20 Turbocharger Retrofit – Aspire to higher performance plus Q&A
Gottfried Eberle, Head of Turbocharger Retrofit and Upgrades, MAN Diesel & Turbo SE
How can the turbocharger influence the overall engine performance? This presentation will highlight designated retrofit references and the advantages including increased efficiency and reduced exhaust gas temperatures.

17.40 Summary of conference day one

17.45 Conference close

19.30 Conference Dinner
Sponsored by GE Marine

DAY TWO – THURSDAY 11 MAY

08.30 COFFEE AND REGISTRATION

08.50 Welcome and Introduction by day two Conference Chairman
Dr. Martin Kröger, Managing Director, VDR – German Shipowners’ Association

Session 5 – Preparing for the ballast water treatment installation frenzy
Ship operators will be required to install ballast water management systems on all vessels over the next few years as the IMO’s BW Convention enters force in September. What steps must owners take and what factors need to be considered when choosing, installing and operating the systems?

09.00 Ballast Water Convention – September 2017 plus Q&A
Lars Robert Pedersen, Deputy Secretary General, BIMCO
The operators’ guide to the Ballast Water Convention and the challenges needed to be overcome before it comes into force later this year.

09.20 IMO/USCG type approved system for ballast water management plus Q&A
Kristina Effler, Global Business Manager, PureBallast
The supplier of one of just three USCG type approved ballast water systems presents an overview of the type approval process and shares experience drawn from installed retrofit installations.

09.40 Ballast Water Treatment retrofit: the process and approach plus Q&A
Jolanda Matthijssen, Logistics & OHSE Manager, Goltens Green Technology
A presentation about the ballast water treatment system retrofit challenge. Our 7-step approach guides the shipowner through the process of selecting a BW system, provides a concept and detailed design and supports in the execution of an efficient installation.

10.00 Panel discussion on the Ballast Water Convention
Session 6 – Embracing hybridization
A future fuel scenario that encompasses both traditional and alternative energy sources will require greater flexibility in propulsion and power systems. This session presents case studies from front runners in these new technologies.

10.15 Innovative hybridisation utilizing a rotor sail solution plus Q&A
Tuomas Riski, CEO, Norsepower, Jarkko Väinämö, CTO, Norsepower
By harnessing the natural power of the wind to allow the main engines to be throttled back, Rotor Sails save fuel and reduce emissions, while providing the power needed to maintain speed and voyage time. Moreover, because it generates supplementary renewable energy, the Norsepower Rotor Sail Solution is compatible with all other fuel and emissions saving technologies. A case study on the first modern auxiliary wind propulsion technology installation onboard a cruise ship, the Viking Grace will be included.

10.35 Hybrid Vs fully electric options plus Q&A
Trevor Small, CSO, PBES
As energy storage and hybrid technology has evolved, it has advanced to match requirements previously unavailable. There are now a new set decisions and system options for vessel owners to consider which effect system lifespan, ROI and performance. The presentation will run through new considerations for low and zero emission vessels such as hybrid Vs fully electric options and the five Vs ten year battery which uses a call swap programme when the battery is depleted.

10.55 Panel discussion on Embracing hybridization
Panelists to include: Martial Claudepiere, Business Development Manager Environmental Services, Bureau Veritas

11.10 COFFEE & NETWORKING

Session 7 – Digital strategies for vessel and fleet optimisation
How ship operators can harness enhanced connectivity, big data analytics capability and sensor technology to drive efficiencies in vessel performance and fleet profitability.

11.35 Digital transformation of the Marine industry
Denis Gryszpan, Digital Marine Business Leader, GE’s Marine Solutions
The Marine industry is being impacted by market fluctuations, oversupply and budget pressures. Data analytics powered by the industrial internet could unlock new operational efficiencies and redefine competitiveness in this sector, just as they have transformed other industries such as Aviation and Power. This paper will explore how solutions such as Asset Performance Management (APM) can optimize marine operations with data-driven decisions and help accelerate the digital transformation journey.

11.55 Performance monitoring and optimization on long distance sea passages of container liner vessels plus Q&A
Andrew Rayner, Key Account Manager, Eniram, & Andreas Mrozek, Deputy Director Logistics, Global Marine Operation, Hamburg Sud
The presentation summarizes the drivers for monitoring and optimization in the context of today’s liner container environment and shows how solutions based on data integrated from various sources can be utilized to support decision-making processes onboard and onshore. Furthermore the presenters will share ideas on how the use of data-driven solutions may develop in the near future.

12.15 MRV Implementation August 2017 plus Q&A
Torsten Mundt, Principal Research Engineer, Environmental R&D DNV GL
The EU MRV-regulation is coming closer with the submission of ship owners / operators Monitoring Plans for verification at the end of August 2017 latest. DNV GL’s will give its view on how to beg best prepared and which tools to use and why it would be advantageous for an effective handling of processes, data and exchange of information.

12.35 Panel discussion on Digital strategies for vessel and fleet optimisation
Panelists to include: Sören Hansen Assistant Director, Vessel Performance, ABS & Jean-Philippe Raman, Technical Director, TOTAL Lubmarine

12.50 LUNCH & NETWORKING

Session 8 – CIMAC Working Group 10 Users

14.15 Emissions compliance: Operational experience and challenges
Members of CIMAC Working Group 10 (engine users) share their experiences of working with emissions abatement technologies and future environmental compliance challenges.
Developments for IMO TIER I retrofit, plus TIER II + III practical acceptance.
- Exhaust gas treatment and recirculation systems, waste heat recovery turbo generators
- Comments on EEDI, SEEMP and efficiency introduction to the shipping industries.
Panelists: Jörg Erdtmann, Vice President, Technical Management and Service, NSB Niedereile Schiffahrtsgesellschaft & Chairman CIMAC WG10

15.15 – Round up of day two

15.30 - Conference close

For further information call +44 1329 825335 or email conferences@propulsionconference.com

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Follow the event on social media:
Date & Venue
The conference will be held on Wednesday and Thursday, 10-11 May 2017 at the Grand Elysee Hotel, Hamburg, Germany. A Welcome Reception will open the conference on 9 May 2017.

Hotel Information
Tel: +49 40 414120. Special rates for delegates of the Conference at the Grand Elysee start from just €200 per night; please visit www.propulsionconference.com for more information on how to book your room.

Conference Fee
- Cost per delegate (standard rate) €1540/£1285.
- Group booking discounts are available and recognised educational establishments will be offered special rates; please contact us for details.
- Ship operators are offered ticket share and preferential rates; please contact us for details.

Fee includes:
- Conference attendance on both days
- Full documentation in print and electronic format
- Lunch and refreshments on both days
- Invitation to the Conference dinner

Booking
Book online at www.propulsionconference.com or complete and fax back the booking form below to +44 1329 550192. On receipt of your registration you will be sent confirmation of your delegate place.

Contact Us
For further information on exhibiting, sponsoring, or attending the conference, contact:
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e-mail: conferences@propulsionconference.com

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☐ Please register me for the 39th Propulsion & Emissions Conference 2017. I will attend the following (NO EXTRA COSTS APPLY):
☐ Evening Welcome Reception (9 May 2017, at the “Hafen-Klub” (Harbour Club))
☐ Conference Dinner (10 May 2017)
☐ I am a member of ..............................................................................................................
☐ Ship operators members of VDR and BIMCO will receive a 50% discount.
☐ I qualify for the ship operator’s preferential rates to attend.

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☐ Please tick if you would like to receive occasional free issues of The Shipowner magazine
For ABC requirements, please answer the Personal Identifier Question – Please provide the name of your County of Birth, (Country if outside the UK)

☐ Please fax back form. Do not send by email as we cannot guarantee the security of card information.

Space at the conference is limited – reserve your place today!
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