

3rd ROSTOCK SHIP MACHINERY CONFERENCE

CONFERENCE PROGRAM

Day 1 | Wednesday 20th September 2023

- 09:00 Welcome
Prof. Siegfried Bludszweit, MET Motoren- und Energietechnik GmbH
- 09:05 Opening speech
Jochen Schulte, Staatssekretär im Ministerium für Wirtschaft, Infrastruktur, Tourismus und Arbeit des Landes Mecklenburg-Vorpommern

SESSION 1

- 9:20 Recent developments of the shipping regulatory landscape
Sebastian Ebbing, VDR – Verband Deutscher Reeder
- 9:50 Measures for reducing the carbon footprint of Hapag-Lloyd's fleet
Dr. Christoph Thiem, Dr. G. Eljardt, Kapt. W. Guntermann, M. Riedel, Hapag-Lloyd AG*
- 10:30 Coffee break

SESSION 2

- 11:00 Operation of merchant vessels on marine biofuels – An owner's/operator's perspective
Dr. Jan Seidl-Zelenka, Dr. Federica Conti, Sam Nivin, Henrik Røjel, Dampskibsselskabet NORDEN A/S*
- 11:30 Battery hybrids in the field: experience and data-driven analysis
Dr. Mathias Moser, MAN Energy Solutions SE
- 12:00 Autonomous shipping – WinGD view on the engine room
Peter Krähenbühl, Winterthur Gas & Diesel Ltd.
- 12:30 Lunch

SESSION 3

- 13:30 Direct drive into future...
Peter Falk, GEA Westfalia Separator Group GmbH
- 14:00 Reducing emissions and impact of new available fuel types on the fuel treatment system
Franciska Kjellström, Alfa Laval Technologies AB
- 14:30 Filtration for alternative marine fuels
Stefan Lambertz, Boll & Kirch Filterbau GmbH
- 15:00 Coffee break

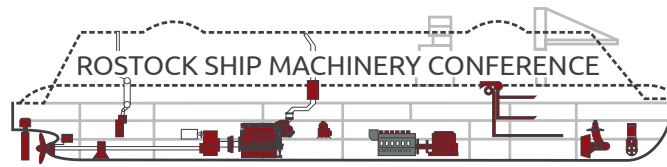
SESSION 4

- 15:30 The MMG Re-Design Programme – 10 years efficiency enhancement by propeller retrofit
Dr. Lars Greitsch, MMG Mecklenburger Metallguß GmbH
- 16:00 Adaption of propulsion systems for future challenges
Dr. Max Steden, Anders Ehlers*, MAN Energy Solutions; Aft Ship & Propeller*
- 16:30 Development and full scale testing of the gearless electric Voith Schneider Propeller (eVSP)
Dr. Dirk Jürgens, Voith Turbo GmbH & Co. KG

EVENING EVENT

- 19:00 *CarLo615 Restaurant in Rostock's city harbour*





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Day 2 | Thursday 21st September 2023

SESSION 5

- 8:30 Accelleron's X300 series turbochargers – more than an evolutionary step
Thomas Matt, Accelleron, Turbo Systems Switzerland Ltd.
- 9:00 Moving big things to zero – How turbochargers contribute to the CO₂-reduction of 2-stroke engines
Dr. Klaus Bartholomä, Christian Reith, Stefan Münch, MAN Energy Solutions SE*
- 9:30 The trade-off between efficient turbocharging and exhaust aftertreatment for conventional and alternative fuels
Thomas Pitschel, Dr. Silvio Risse, Kompressorenbau Bannewitz GmbH*
- 10:00 Coffee break

SESSION 6

- 10:30 Hull & Machinery damage statistics (or trends) and significant occurrences
Steinar Sivertsen, Norwegian Hull Club
- 11:00 Condition-based monitoring of large engines: innovative tools to derive predictive maintenance strategies for crankcase-related components
Dr. Horst Brünnet, Schaller Automation Industrielle Automationstechnik GmbH & Co. KG
- 11:30 Long-term fatigue (VHCF) – an assessable risk for the safety of the ship's machinery?
Steffen Fischer, AMS Advanced Marine Surveys GmbH; Prof. Siegfried Bludszuweit*, Martin Schaminski, Tomasz Predko, MET Motoren- und Energietechnik GmbH*
- 12:00 Lunch

SESSION 7

- 13:00 20 years of developing fuel cells and hydrogen technologies for passenger shipping – lessons learned and outlook
Ragnar Christenson, Meyer Neptun Engineering GmbH
- 13:30 CAMPFIRE ammonia-fueled cracker-engine-propulsion system for inland waterway vessels – actual development status and safety considerations
Prof. Hinrich Mohr, GasKraft Engineering
- 14:00 Module solutions for LNG and future fuels
Benjamin Franke, GenSys GmbH
- 14:30 Coffee break

SESSION 8

- 15:00 From stand-alone torsional vibration monitoring towards a digitalized monitoring system – a field experience report
Dr. Andreas Thalhammer, Geislinger GmbH
- 15:30 The potential of magnetocaloric heat-to-power conversion for sustainable shipping
Bernhard Zimmer, Vulkan GmbH & Co. KG; Dr. Sergiu Lionte*, Magnoric*
- 16:00 Electrification of ships for future-proof propulsion systems
Uwe Heine, Wärtsilä Deutschland GmbH
- 16:30 Closing words

