

VDMA and CIMAC at SMM

When 2,000 exhibiting companies will provide an insight into the latest state of the art in marine applications at the SMM 2024 from 3 to 9 September 2024 in Hamburg, VDMA Marine Equipment and Systems together with VDMA Engines and Systems and CIMAC will also be present. The partners have jointly put together an attractive program. In addition to numerous short presentations at the 'Speakers Corner' directly at their joint stand in Hall A1, 520, this also includes three panel discussions with high-profile guests.

The panel discussions

Tuesday, September 3, 2024, 13:30 - 14:30, Green Stage, Hall A4: Propulsion of the Future - what will power future global trade?

The discussion will look at all forms of propulsion in shipping, from traditional fossil fuels, including those in combination with CCS, to synthetic and biofuels, wind-assisted systems, battery drives and nuclear solutions. The discussion ventures a look into the future and includes the political framework conditions in Europe and worldwide.

Questions that will be discussed:

- Do we need to disruptively rethink shipping?
- To which extent can shipping be electrified?
- How can shipping achieve the IMO's climate targets?
- What contribution can industry, politics and research provide?

Speakers:

Dr Daniel Chatterjee, Rolls-Royce Solutions GmbH, Director Corporate Sustainability (ESG), Technology Strategy & Regulatory Affairs

Sebastian Ebbing, MPC Container Ships ASA, Group Sustainability Officer

Diana S. Engelhard, Unleash Future Boats GmbH, CEO

Bjarne Foldager, MAN Energy Solutions, Senior Vice President, Head of Two Stroke Business and Country Manager Denmark

Fotini Ioannidou, Directorate General for Mobility and Transport of the European Commission, Director of Waterborne Transport

Merten Stein, DNV GL SE, Head of Shipping Advisory West Europe & Middle East

Tuesday, September 3, 2024, 15:00 - 16:00, Digital & Security Stage, Hall B6: Smart Connectivity by MTP – Improvements for Shipping and Shipbuilding

The new MTP (Module Type Package) automation standard is innovating and smoothening the integration of systems and modules into the overall ship automation system, resulting in time and cost reduction for all affected parties (suppliers, system integrators, shipyards, ship owners etc) and increased flexibility in future operation demands. The session will describe these gains from different perspectives: Shipowner, shipyard, equipment manufacturer, automation supplier, system integrator, class and maritime research institute.

Speakers:

Sven Jadzinski, GEA Westfalia Separator Group GmbH, Senior Director Sales - BU Separators

Sven Ropers, Siemens AG, Senior Sales Manager Digital Industries

Claas Rostock, DNV – Group Research & Development DNV SE, Principal Specialist, Assurance of Simulation Models

Hauke Schlegel, VDMA Marine Equipment and Systems, Managing Director

Sascha Wührl, University of Applied Sciences Flensburg, Research Associate

Thursday, September 5, 2024, 10:30 - 11:30, Green Stage, Hall A4: CIMAC Circle: Is inadequate data exchange preventing efficiency gains?

Ships have been historically designed with a strong focus on CAPEX but the introduction of measures that aim to reduce the GHG emissions from ships such as EEDI, EEXI, and CII increases the focus on delivering vessel designs with fully optimised technical solutions, i.e. designs that perform their function in the most efficient way and provide a means of collecting data to validate their efficiency levels throughout their lifetime.

In this respect, digitalization provides the opportunity to generate optimized technical solutions based on highly integrated intelligent systems, here intended as systems capable of creating added value by continuously monitoring their operational status for assessing their integrity, efficiency, reliability, safety and security through advanced instrumentation and data analytics. While such solutions have been realised in several industries such as automotive and aerospace, they are implemented only slowly in the maritime industry.

The adoption of a common methodology for data sharing which can be used as the foundation for building digital systems that provide business benefits, improve efficiencies and help demonstration of regulatory compliance of a highly integrated

digital system such as the ship, through the implementation of a ship-wide data ecosystem will be discussed in this panel.

Speakers:

Marco Coppo, OMT, CEO

Jean Fahmy, CSL Group, VP Digital

Capt. Eero Lehtovaara, ABB Marine & Ports, Head of Regulatory and Public Affairs, CIMAC VP Digitalization

Dominik Schneider, WinGD, CEO, Chair of the CIMAC Digitalization Strategy Group

Bjørn-Johan Vartdal, DNV, Digital Director

[The presentations at the speaker's corner, Hall A1, booth 520](#)

Tuesday September 3, 2024

15:00 CIMAC: NGO with consultative Status with IMO, Daniel Erdmann, CIMAC, Deputy Secretary General

15:20 Position Paper "On Enabling a Ship-wide Data Ecosystem", Dr. Marco Coppo, CEO OMT Digital, CIMAC Digitalization Strategy Group

15:40 Filtration of alternative fuels (methanol / ammonia), Benjamin Herrling, HYDAC, Sales & Project Manager / Marine Fluids

16:00 Environmental Safety Regulations - Section 14c Special rules regarding emission of nitrogen oxides (NOx) from ships in the world heritage fjords, Jürgen Müller, H+H Engineering & Service, Managing Director

16:20 CIMAC Guidelines on ISO 8217:2024, Timothy Wilson, Fuels Principal Marine Consultant Engineer at Lloyd's Register, CIMAC WG7

16:40 Smart integration on board with the new standard MTP – Benefits for shipbuilding, shipping and marine equipment industry, Hauke Schlegel, VDMA Marine Equipment and Systems, Managing Director

Wednesday September 4, 2024

11:00 GASMOS® - Monitoring of unburned gas in the crankcase of gas and dual-fuel engines, Raphael Stein, Schaller Automation Group, Sales Manager

11:20 The truth of AR in maritime service. What service managers should do in 2024, Martin Plutz, oculavis, Co-Founder & Managing Director

11:40 Redefining energy efficiency solutions for hydrogen powered ships in marine and inland waterways, Daria Matignon / Stefan Krahn, HSL Technologies / Baumüller Anlagen-Systemtechnik, Account Coordinator

12:00 Effects of Membrane filtration on the emission load of EGCS water from various fuels, Dr. Daniel Bell, Boll & Kirch Filterbau, Team Leader Process Engineering

12:20 DIVMALDA – „Digitization and Verification of Marine Live Emission Data“, Markus Haas, Sick, Global Industry Manager Power & Maritime

12:40 WG 20's View on Maritime Batteries and Digital Twins, Hinrich Mohr, Owner GasKraft Engineering, CIMAC WG 20 System Integration

13:00 A holistic view on the introduction of decarbonization technologies on marine vessels, Elias Boletis, Enarete Marine, Chair CIMAC WG 10 Users

13:20 Ultra-low emission exhaust aftertreatment systems for existing and future fuels, Dr. Daniel Peitz, HUG Engineering, senior technical advisor

13:40 CIMAC working group exhaust emissions controls activities, Dr. Daniel Peitz, HUG Engineering, senior technical advisor, Chair CIMAC WG 5 Exhaust Emissions Control

14:00 The pivotal role of fuel supply systems in decarbonization, Andrea Sabbion, Alfa Laval, Regional Business Manager Fuel Supply Systems

14:20 Hybrid - the new standard in commercial marine, Tobias Kohl, Rolls Royce Solutions, Director Application Engineering Marine

14:40 CIMAC Guidelines on ISO 8217:2024, Timothy Wilson, Principal Marine Consultant Engineer at Lloyd's Register, CIMAC WG7 Fuels

15:00 Using battery systems on board ocean-going cargo ships, Syb ten Cate Hoedemaker, Maritime Battery Forum, Managing Director

15:20 Scope and current activities of the Strategy Group, Dr. Dirk Bergmann, CTO Accelleron, Chair CIMAC Greenhouse Gases Strategy Group

15:40 Replacement of lubricating oil separators with filter technology to reduce the CII rating on board ships, Klaus Hüffelmann, HYDAC, Sales and Project Manager / Marine Fluids

16:00 Measuring and Reducing Maritime Emissions: Achieve Compliance with Daphne Technology, Dimitrios Kampanis, Daphne Tech, Head of Sales and Business Development

16:20 PBST – we care for decarbonization, Jan Vit, PBS Turbo, Sales & Project Manager

16:40 Future Fuel Pumps – What requirements are placed on fuel pumps?, Sandro Tomaselli, Kral, Project Lead Future Fuels pumps

Thursday September 5, 2024

11:00 Filtration Technologies for Future Fuels, Jörn Grotepaß, Boll & Kirch Filterbau, Head of Business Unit COM (Compressors and Turbines)

11:20 Side Channel pumps in marine applications, Frank Hassert, SERO PumpSystems, Head of Technology / Quality Management

11:40 Ultra-low emission exhaust aftertreatment systems for existing and future fuels, Dr. Daniel Peitz, HUG Engineering, Senior technical advisor

12:00 CIMAC working group exhaust emissions controls activities, Dr. Daniel Peitz, HUG Engineering, senior technical advisor, Chair CIMAC WG 5 Exhaust Emissions Control

12:20 Using battery systems on board ocean-going cargo ships, Syb ten Cate Hoedemaker, Maritime Battery Forum, Managing Director

13:00 Market update global shipbuilding / business trends for the marine equipment industry, Hauke Schlegel, VDMA Marine Equipment and Systems, Managing Director

13:20 Explosion protection and venting of tanks onboard of ships using methyl/ethyl alcohol as fuel as per MSC.1/Circ.1621, Thorsten Schaper, Braunschweiger Flammenfilter, Business Development Manager

13:40 New fuels for large engines and their consequences for the drivetrain and torsional vibrations, Dr. Philipp Stuhlpfarrer, Geislinger, Director Innovation

14:00 Environmental Safety Regulations - Section 14c Special rules regarding emission of nitrogen oxides (NOx) from ships in the world heritage fjords, Jürgen Müller, H+H Engineering & Service, Managing Director

14:20 Market update global shipbuilding / business trends for the marine equipment industry, Hauke Schlegel, VDMA Marine Equipment and Systems, Managing Director

14:40 Smart integration on board with the new standard MTP – Benefits for shipbuilding, shipping and marine equipment industry, Hauke Schlegel, VDMA Marine Equipment and Systems, Managing Director

15:00 Position Paper "On Enabling a Ship-wide Data Ecosystem", Dr. Marco Coppo CEO OMT Digital, CIMAC Digitalization Strategy Group

15:20 CIMAC: NGO with consultative Status with IMO, Daniel Erdmann, CIMAC e.V., Deputy Secretary General

15:40 REINTJES Gearbox Monitoring: The right tool for your Condition Based Maintenance Strategy, Marco Warnebold, Reintjes Powertrain Solutions, Condition Monitoring und NVH Engineer

16:00 CIMAC WG 17 Gas Engines: Updates of the Working Group, Daniel Erdmann, CIMAC, Deputy Secretary General

Friday September 6, 2024

12:00 Scope and current activities of the Strategy Group, Dr. Dirk Bergmann, CTO Accelleron, Chair CIMAC Greenhouse Gases Strategy Group

12:20 Karrierechancen im maritimen Maschinenbau, Alexandra Dreyer, VDMA Marine Equipment and Systems, Referentin (in German language)

12:40 Marktausblick Maritime Industrie: Highlights aus dem VDMA-Konjunkturspiegel 2024, Hauke Schlegel, VDMA Marine Equipment and Systems, Geschäftsführer (in German language)