

# IoS-OP Singapore seminar 2024

29th August (Thursday) 13:00-17:30

Registration ▶ 12:30 (No remote delivery)

Venue: Concorde Hotel Singapore, Ballroom, Level 3  
100 Orchard Rd, Singapore 238840

----- Application form -----

[Application deadline] 23th August (Friday)

[URL] <https://forms.office.com/r/aRhL5GMeuS?origin=lprLink>



----- Programme -----

13:00-13:05

*Opening Address*

**Michitomo Iwashita**

Chairman of IoS-OP Consortium

K-Line Managing

Executive Officer



13:05-13:35

*Development of the Greener Ships towards Zero Emissions*

**Shohei Yamada**

Senior Researcher

**Planning and Design Center for Greener Ships (GSC)**

*The shipping industry is facing a transition to zero GHG emission fuels to achieve its "Net Zero GHG emissions by 2050" goal.*

*GSC is developing greener ships such as ammonia-fueled and methanol-fueled, we will introduce some of these concepts here.*

Keywords: Zero emission, GHG reduction, Alternative fuels, Ammonia-fueled ship, Methanol-fueled ship



13:35-14:05

*Analysis of ship operation data and performance improvement measures empowered by naval architecture*

**Koyu Kimura**

Research & Development Division / General Manager

**Akishima Laboratory Inc.**

*With the environmental regulations such as EEXI and CII, reducing greenhouse gas emissions from ship operations has become an urgent issue. Akishima Laboratory provides more efficient performance improvement measures which can be achieved by analyzing operational data in line with concrete naval architecture technology while utilizing data processing technology. We will introduce our efforts to evaluate various types of data from the viewpoint of understanding the actual operation of vessels and to utilize the data for performance improvement. (78 words)*



**IoS-OP Consortium**

14:05-14:35

*IoS-OP Insights for Data-Driven Decarbonization*

**Capt.Vikrant Sharma**

Business Development / Lead Business Development

**ShipDC**

*In the rapidly evolving maritime industry, the IoS-OP consortium promotes sustainable practices through data-driven insights. By collaborating with global stakeholders, ShipDC ensures the seamless flow of high-quality ship operation data, enhancing performance analysis and environmental sustainability. Through fostering collaboration and data sharing, IoS-OP empowers shipping companies to navigate challenges, optimize operations, and lead the industry toward decarbonization and operational excellence.*

Keywords: IoS-OP consortium, Decarbonization, Data-driven insights, High-frequency data, Environmental sustainability.



----- Coffee Break -----

15:00-15:30

*Integrating Environmental Sustainability and Digitalization in Propulsion System*

**Zhi Liang, Bobby**

Area Sales Manager, Sales Department

**Nakashima Propeller Co., Ltd.**

*The presentation will explore how Nakashima Propeller is leveraging digital technologies to enhance the efficiency and environmental performance of vessels. Attendees will gain insights into our latest innovations, real-time data analytics, and eco-friendly design practices. Ultimately to align with global sustainability goals and reducing the marine industry's carbon footprint.*

Keywords: ALS, ESD, Retrofit, NASCA, Fuel-saving



15:30-16:00

*CMP-MAP solution - reduction of greenhouse gas emission using antifouling paints.*

**Iwata Yuki**

Senior Manager

Technical department

**Chugoku Marine Paints (Singapore) PTE LTD.**

*Due to the requirement to reduce CO2 emissions, which is cause of global warming, efficient vessel operation is required by international treaty (EEXI/CII by IMO from 2023). Retrofitting with antifouling coating is one of the most efficient and easy solution that suitable for above situation. The latest high performance AF and "CMP-MAP" service which help hull condition to keep better based on PDCA cycle will be introduced during this session.*

Keywords: Antifouling coatings, Performance improvements, Hull-PDCA cycle, simulator, excellent antifouling performance



**IoS-OP Consortium**

16:00-16:30

Managing EU ETS and FuelEU Maritime

**Ronny Waage**

Sales/Global Sales Director

**zero44**

*Zero44 will showcase the importance of software in managing environmental compliance in the maritime industry*

Keywords: EU ETS, FuelEU, Regulations, Compliance, Software



16:30-16:55

What We Need to Know About the 2023-2024 Update on Maritime Cybersecurity

**Makiko Tani**

Cybersecurity Team/Deputy Manager

**ClassNK**

*The 2023-2024 period has brought significant updates to maritime cybersecurity regulations, including the implementation of IACS Unified Requirements E26 and E27 and major revisions to the IMO Maritime Cyber Risk Management Guidelines. This session will delve into the critical aspects of effective collaboration between shipowners, integrators, and suppliers to ensure compliance. Additionally, we will explore best practices for cyber risk management, equipping you with the necessary strategies to effectively address the evolving cyber threats and regulatory changes in the maritime industry.*

Keywords: Maritime cybersecurity, IACS E26/E27, IMO Maritime Cyber Risk Guidelines, beyond compliance



16:55-17:00

*Closing Remarks*

**Toshiro Arima**

Executive Vice President

**Nippon Kaiji Kyokai (ClassNK)**



For enquiries, please contact IoS-OP Consortium secretariat at [consortium@shipdatacenter.com](mailto:consortium@shipdatacenter.com).



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