

# IoS-OP Taiwan seminar 2025

**28th November (Friday) 14:00-18:00**

**Registration ▶ 13:30 (No remote delivery)**

**Venue: VIP ROOM 5-7,4F,Regent Taipei  
No.3,Ln.39,Sec.2,Zhongshan N.Rd.,Taipei City**

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

[Application deadline] 25 November (Tuesday)

[URL] <https://forms.office.com/r/hSJ8Tqcg0B?origin=IprLink>



----- Programme -----

14:00-14:05

*Opening Address*

**Shingo Ikeda**

Chairman of IoS-OP Consortium

Managing Corporate Officer

**K-Line**



14:05-14:35

*Development of the Greener Ships towards Zero Emissions*

**Yasufumi Sakai**

Technical Development Group/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



14:35 -15:05

*Latest information about IoS-OP*

**Hiroshi Konishi**

Sales Department/General Manager

**Ship Data Center Co., Ltd. (ShipDC)**

*IoS-OP is a digital platform consisting of data handling rules and a data center. It is developed for sharing vessel operational data including high frequency data among stakeholders fairly and transparently.*

*Introduction of the recent data use cases related to IoS-OP.*

**Keywords:** Big data, High Efficiency, Use cases of data, Innovations, Data management.



**IoS-OP Consortium**

15:25-15:55

*Advanced PBCF and Wind Propulsion Devices*

**Lee Enwei**

PBCF & Wind Propulsion Dept.

**MOL Techno-Trade, Ltd.**



*As environmental regulations tighten, reducing emissions and improving vessel efficiency have become top priorities for shipowners.*

*The Advanced PBCF, developed by MOL Group, is a well-established solution with a strong track record of steady performance, offering a simple yet highly effective means of saving energy.*

*This seminar will present the latest results of the Advanced PBCF and highlight its role in helping vessels comply with regulations such as EU-ETS and IMO requirements, thereby reducing potential penalties. In addition, the seminar will introduce some of the latest efforts in wind propulsion technologies.*

**Keywords:** PBCF, ESD, GHG Reduction, Energy-Saving, Penalty of EU-ETS/IMO

15:55-16:25

*Nabtesco is ready to meet what future wants*

**Mingwei Ni**

Business Solution Group

**Nabtesco Corporation**



*Nabtesco Mr. Ni talks about our solutions to tackle global issues such as GHG reduction and Labour-saving with in-house AI solutions.*

*This unique AI solution would also contribute to vessels' optimization as well as fuel saving.*

*Feel free to join us as we are very happy to give the best possible solutions to you and your company!*

**Keywords:** GHG reduction, Labour-saving, Fuel-saving, High Frequency Data, Vessel optimization

16:25-16:55

*PureMetrics™: Direct Emissions Monitoring for Compliance and Operational Insight*

**Kuldipak Pednekar**

Singapore Marine Hub/Head of Marine Operations & Managing Director Singapore

**Daphne Technology**



*PureMetrics™ is Daphne Technology's real-time emissions monitoring and reporting system for maritime and offshore engines. It measures methane, carbon dioxide and aggregated CO<sub>2</sub>e directly from exhaust gas, supporting accurate EU MRV, IMO DCS and EU ETS reporting. Covering dual-fuel and conventional engines, PureMetrics™ reduces uncertainty, improves transparency, and enables operators to optimise reporting, cost exposure, and fleet performance through continuous, audit-ready data*

**Keywords:** Methane slip, CO<sub>2</sub> emissions, direct monitoring, regulatory compliance, operational optimisation

16:55-17:25

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

**Hirohisa Mieno**

Hull performance analysis group/Leader

**CHUGOKU MARINE PAINTS, 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 rules by IMO from 2023). Retrofitting with premium antifouling coating is one of the most efficient and easy solution deal with above situation. Example of vessel performance improvement by recent antifouling coating and information service "CMP-MAP" which contribute to performance improvement by visualization of hull (antifouling) performance.*

**Keywords:** Antifoulings, CMP MAP, Hull PDCA cycle, Simulator, CII rating



17:25-17:55

What We Need to Know About the 2024–2025 Update on Maritime Cybersecurity

**Shinkichi Okimoto**

Management Systems and Maritime Training Certification Department/Manager

**Nippon Kaiji Kyokai (ClassNK)**

*With the rapid advancement of digitalization in the maritime industry, the importance of cybersecurity continues to grow. This presentation will focus on the key developments in maritime cybersecurity during 2024–2025, including regulatory updates and industry trends. In particular, it will introduce ClassNK's approach to addressing these developments, with reference to recent IMO and IACS activities.*

**Keywords:** Cybersecurity, Digitalization, IMO, IACS



17:55-18:00

Closing Remarks

**Yasuhiro Ikeda**

President

**Ship Data Center Co., Ltd. (ShipDC)**



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