

World NAOE Forum 2022

Challenges to new technologies and industrial competitiveness

13th December 2022, 10:00-18:00



Organized by JASNAOE
Principal Sponsor: ClassNK

Toward zero emission and DX (Digital Transformation), new technologies have been developed in the field of marine engineering. We need not only to succeed in developing new technologies, but also to make them competitive businesses. This forum gets a quick overview of the status of new technologies and discusses what is necessary to make these technologies competitive in the industry.

Registration JPY 9,000 (Early-bird registration (until 25th November): JPY 7,000) Student : JPY 3,000

Venue JA Kyosai Building Conference Hall, Tokyo, Japan

Program

General moderator: **Prof. Daisuke Kitazawa** (Univ. of Tokyo)

10:00-11:00 Opening Remarks and Keynote Speech		
10:00-10:05	Opening remarks	Prof. Ken Takagi (Univ. of Tokyo)
10:05-10:10	Greetings	Mr. Hiroaki Sakashita (ClassNK)
10:10-11:00	Maritime policies toward carbon neutrality and DX	Mr. Jun Kohno (Maritime Bureau Ministry of Land, Infrastructure, Transport and Tourism of Japan)
11:00-11:10 Break		
11:10-13:10 Session 1 Smart Ship & Smart Factory (Chair: Mr. Toyohisa Nakano ; Kawasaki Kisen Kaisha, Ltd.)		
11:10-11:40	Our challenges toward autonomous vessels	Dr. Akihito Hirayama (Mitsui E&S Shipbuilding Co., Ltd.)
11:40-12:10	Sea ahead lookout to the future with IoT enabled propulsion engines	Mr. Stig Holm (MAN Energy Solutions)
12:10-12:40	Smart Factories: the manufacturing side of digital transformation	Ms. Mari Ono (IBM Japan, Ltd.)
12:40-13:10	“Efficiently building” of a cruise vessel (tentative)	Mr. Hendrik Verkiel (MEYER WERFT GmbH & Co.KG)
13:10-14:00 Lunch		
14:00-16:00 Session 2 Zero Emission & Uncertainty (Chair: Mr. Shigeru Tanaka ; Mitsui E&S Shipbuilding Co., Ltd.)		
14:00-14:30	MHI initiatives for decarbonization by CO2 value chain & LCO2 carrier	Mr. Taichi Tanaka (Mitsubishi Shipbuilding Co., Ltd.)
14:30-15:00	Demonstrating the liquefied hydrogen seaborne supply chain to Japan and development of future commercialization	Mr. Taku Hasegawa (Kawasaki Heavy Industries, Ltd.)
15:00-15:30	Strength of collaborative partnership at the Center for Zero Carbon Shipping	Dr. Thomas McKenny (Mærsk McKinney Møller Center for Zero Carbon Shipping)
15:30-16:00	Potential use of digital twins of the ocean in marine applications and sustainable developments	Prof. Swadhin Behera (Japan Agency for Marine-Earth Science and Technology)
16:00-16:20 Break		
16:20-17:20 Discussion		
Facilitator: Dr. Toshiro Arima , ClassNK, Panelists: Speakers		
17:20-17:30 Closing Remarks		
17:20-17:30	Closing remarks	Prof. Masahiko Fujikubo (President of the Japan Society of Naval Architects and Ocean Engineers)

* The forum will end by 18:00, even if the number of presentations increases.

* The titles of the presentations are tentative.

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Website & contact information

URL: <https://www.jasnaoe.or.jp/en/conference/2022/wnf2022.html>

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