JAPAN SEMINAR at Posidonia 2018
Maritime Innovations
~New Development in Environmental Conservation and Technology~
(Japanese-Built Ships and Marine Machinery and Equipment Leading the World)

Tuesday, June 5, 2018,
Starting time: 13:00 (closing around 17:00)
Venue: Seminar Room Central, Metropolitan Expo Centre

1. Opening addresses by five speakers
   
   (1) Shipbuilders
   
   “JMU’s Most Advanced and Eco-Friendly Vessel - J-Series Bulk Carrier -”
   (Japan Marine United Corporation(JMU))
   
   “Introduction of "SOPass" -Utilization of Big Data from Ship with IoT technology-”
   (Kawasaki Heavy Industries, Ltd.)
   
   “Large-scale Marine SOx Scrubber System”
   (Mitsubishi Shipbuilding Co., Ltd. (Speaker from Mitsubishi Hitachi Power Systems, Ltd.))

   (2) Marine Machinery Manufacturers
   
   “Achievement of low emission by reduction of hull resistance with the new antifouling technology”
   (Chugoku Marine Paints, Ltd.)
   
   “Introduction to DAIHATSU DIESEL” (Daihatsu Diesel Mfg. Co., Ltd)
   “Save Blue / Fuji's Exhaust Gas Cleaning System” (Fuji Electric Co., Ltd.)
   “MHI-MME Company Introduction” (Mitsubishi Heavy Industries Marine Machinery & Equipment Co., Ltd.)
   “Viable Organism Sampler & Viable Organism Analyzer” (MOL Techno-Trade, Ltd.)
   “about Yanmar” (Yanmar Co., Ltd.)
   “YOKOGAWA GREEN PRODUCTS” Introduction and the Future…” (Yokogawa Denshiiki Co., Ltd.)

   [Intermission]

3. **Part 2**: Environmental Conservation and Technology in Foreseeable Future
   
   (1) Keynote Address: “Trends in Shipbuilding Market”
   Mr. Stephen Gordon (Clarkson Research Services Ltd.)
   
   (2) Presentations by three parties as below
      
      ①“The environmental topics in IMO and the policies in Japan”
      Mr. Tomohito Takeuchi (Ministry of Land, Infrastructure, Transport and Tourism(MLIT))
      
      ②“Challenges undertaken on environmental issues etc.”
      Mr. Seiichi Gyobu (Nippon Kaiji Kyokai (ClassNK))
      
      ③“Current and future issues of shipowners' concerns etc.”
      Mr. Panos Zachariadis (Union of Greek Shipowners)

   (3) Panel Discussion (*Each profiles listed below refer to the back page.)
   **Moderator:** Mr. Hiroshi Iwamoto (Japan Marine United Corporation (JMU))
   **Panelists:** Mr. Tomohito Takeuchi (Ministry of Land, Infrastructure, Transport and Tourism (MLIT))
   Mr. Seiichi Gyobu (Nippon Kaiji Kyokai (ClassNK))
   Mr. Panos Zachariadis (Union of Greek Shipowners (UGS))
   Mr. Stephen Gordon (Clarkson Research Services Ltd.)
   Mr. Yoshio Otagaki (Representative of Japan Ship Exporters’ Association (JSEA)) (Japan Marine United Corporation (JMU))
   Mr. Katsuhiko Fujiwara (Representative of Japan Ship Machinery and Equipment Association (JSMEA)) (Yanmar Co., Ltd.)
**[MODERATOR]**

NAME: Mr. Hiroshi (Dave) Iwamoto,  
POSITION: Counselling Staff, Planning Group, Corporate Planning Department, Japan Marine United Corporation

CAREER: Mr. Dave Iwamoto entered Ishikawajima Harima Heavy Industries Co., Ltd. (IHI) in 1969 and while spending most of his career in ship sales related businesses, was the General Manager of Business Administration to move to IHI Marine United Inc. (IHIMU), a corporation spinning out the shipbuilding arm of IHI, and worked in the area of corporate planning and continues to be involved the business are after the management integration took place putting Universal Shipbuilding Corporation and IHIMU. He is widely engaged in shipbuilding industry matters and serves as the Chairman of International Sub-Committee of the Planning Committee of The Shipbuilders’ Association of Japan.

**[MLIT]**

NAME: Mr. Tomohito Takeuchi  
POSITION: Director for International Affairs Office, Shipbuilding and Ship Machinery Division, Maritime Bureau, Ministry of Land, Infrastructure, Transport and Tourism (MLIT), Japan

CAREER: Mr. Takeuchi entered Ministry of Transport (MOT, re-organized as Ministry of Land, Infrastructure, Transport and Tourism (MLIT) in 2001) in 1995 and in his early career, he was mainly in charge of safety of ships and marine environment protection. He was appointed to First Secretary of the Embassy of Japan in Singapore in 2004. Since coming back to MLIT in 2007, he has been engaged in the maritime industrial policy as Deputy Director (R&D), General Affairs Division, Maritime Bureau, MLIT and then as Senior Deputy Director, Shipbuilding and Ship Machinery Division. He was appointed as Director, Ship Machinery Division, Japan External Trade Organization (JETRO), Singapore office from 2012 to 2016, and then from 2016 to March 2018 worked for Director, R&D Division, Japan Ship Technology Research Association (JSTRA).

**[ClassNK]**

NAME: Mr. Seiichi Gyobu  
POSITION: Corporate Officer, Regional Manager of Eastern Mediterranean Sea and Northern Black Sea

CAREER: Mr. Gyobu joined ClassNK in 1983 and has since taken on various tasks in the Head Office including plan approval, rule development, and control of ClassNK survey activities. He spent more than 15 years at ClassNK survey stations in Japan, Australia and the US. Furthermore, he was appointed as General Manager of Hull Rules Development Department, General Manager of Survey Operations Headquarter (Stationed in New York), and Regional Manager of North, Central and South America. Since April, he is appointed to serve in Greece with the role of Corporate Officer, Regional Manager of Eastern Mediterranean Sea and Northern Black Sea.

**[Union of Greek Shipowners (UGS)]**

NAME: Mr. Panos Zachariadis  
POSITION: Technical Director of Atlantic Bulk Carriers Management Ltd

CAREER: Mr. Panos Zachariadis is Technical Director of Atlantic Bulk Carriers Management Ltd. His 35 year shipping experience spans diverse areas including sea service in bulk carriers and oil tankers, dry dock repairs, new-building supervision and specifications, ship operations and chartering. He has been assisting the Union of Greek Shipowners and the Hellenic Chamber of Shipping to enhance the safety and efficiency of ships by trying to improve new regulations which are formulated at IMO. Currently he is involved in the new IMO environmental regulations for ships. Together with major shipyards he has applied numerous energy saving ideas, some of which have become industry standards. Member of Hellenic Chamber of Shipping and Union of Greek Shipowners technical committees, BIMCO Marine Committee, ABS European Technical Committee, LR Technical Committee, ASME, SNAME, BOD HELMEPA and MARTECMA.

**[Clarkson Research Services Ltd.]**

NAME: Mr. Stephen Gordon  
POSITION: Managing Director

CAREER: Mr. Stephen Gordon graduated from Oxford University and joined Clarksons as a shipbuilding analyst in 1999, later becoming manager of Clarkson Research’s consultancy, retailer and valuation team. Over the past 15 years, he has been involved in over 150 IPO and Bond projects, in addition to securitizations and major consultancy reports. In 2014 and 2016, he has lead the re-launch of Clarksons market leading digital products, Shipping Intelligence Network and World Fleet Register. He has been a senior member of the Clarkson Research management team for over 10 years and in 2012 was appointed Managing Director of Clarkson Research. He is also a Director of Clarksons Valuations Limited.

**[Japan Ship Exporters’ Association (JSEA)]**

NAME: Mr. Yoshihiko Fujiiwara  
POSITION: Adviser Management & Technology, Japan Marine United Corporation (JMU)

CAREER: Mr. Otakagi joined Ishikawajima Harima Heavy Industries Co., Ltd. (IHI) in 1975 and through his career in ship engineering became the Vice President of IHI Marine United Inc. (IHIMU), formerly the shipbuilding division of IHI, and then in 2013 became the Vice President of JMU, a company established through management integration of Universal Shipbuilding Corporation and IHIMU. He served as Vice President and head of Planning and Administration, from 2015 till recent, and continues with his leading task for technology in shipbuilding as a Committee Member of Technical Committee of The Shipbuilders’ Association of Japan, where he served as Chairman until last year.

**[Japan Ship Machinery and Equipment Association (JSMEA)]**

NAME: Mr. Katsuhiko Fujiwara  
POSITION: Executive Officer, General Manager of Tokyo Office, Yanmar Co., Ltd.

CAREER: Yanmar Co., Ltd. is world famous diesel engine manufacturer. Mr. Fujiwara entered Yanmar in 1981. After that he belong to Marine Engine Sales and Marketing Division of Yanmar. In 2017 he assumed new duties as Vice Chairman of Japan Ship Machinery and Equipment Association (JSMEA).