

Techno-Ocean 2023 【Special Seminar】 Time Schedule (Free of charge, no advance registration required)

Venue: Special stage "Ocean Deck" in Techno-Ocean 2023 exhibition hall

Date & Time	Title	Lecture Contents	Speaker
October 5 (Thu.) 12:50~13:20	"Shaping Connected Future"	<p>Inmarsat Maritime, a Viasat business continues to power the digitalisation of the maritime industry, making operations more efficient and safer than ever before.</p> <p>Inmarsat was set up in 1979 by the International Maritime Organization (IMO) to develop a satellite communications network for protecting lives at sea. It is the first satellite operator to meet the stringent requirements of the Global Maritime Distress and Safety System (GMDSS) for global safety communications. Inmarsat continues to provide Global Maritime Distress and Safety System (GMDSS) to ships and aircraft at no charge, as a public service. Every day our maritime safety services protect the lives of over 1.6 million seafarers. Today, the company has the world's most advanced and resilient mobile connectivity infrastructure to ensure that our satellite services are not only saving lives but also providing a connectivity lifeline in the most remote and challenging locations.</p> <p>Inmarsat has had operations in Japan since 2014, supporting the unprecedented demand for data in the maritime industry to accelerate operational efficiency, decarbonise and enhance crew welfare that is driving the pace of digitalisation. Today, over 14000 vessels globally rely on Inmarsat's Fleet Xpress service, this includes well-known Japanese shipping companies. The combined company owns and operates 19 satellites in geostationary orbit, delivering award-winning operational, safety, and mission-critical connectivity services to organisations, governments, and individuals around the world.</p> <p>The Inmarsat-6 (I-6) satellites are Inmarsat's largest and most sophisticated commercial communications satellites ever to be launched. The first hybrid satellites feature both an ELERA L-band and Global Xpress Ka-band payload to power enhanced capabilities, coverage, and capacity of Inmarsat's leading communications.</p> <p>Inmarsat is very proud that the I-6 F1, the first of the I-6 satellites, launched from the JAXA Tanegashima Space Centre in Japan with Mitsubishi Heavy Industries on 22 December 2021.</p> <p>The next generation of Global Xpress satellites, due to be launched by 2025, represents a step change in the evolution of GX's capabilities, capacity, and agility, meeting the ever-growing customer demand. These software-defined satellites will simultaneously create thousands of independent beams of different sizes, bandwidth, and power that can be reconfigured and repositioned across the globe in real-time. Customers already signed up to Global Xpress will be able to enjoy this massive boost in performance using their existing terminals.</p>	<p>Mr. GERT-JAN PANKEN VICE PRESIDENT, DIRECT SALES INMARSAT</p>
October 5 (Thu.) 14:00~14:30	"Acceleration of Offshore Wind Projects ~ the Japanese Centralized Model and JOGMEC Roles"	<p>In order to explore the possibility of offshore wind, the Japanese government introduced the Japan-Version Centralized Model. In this initiative, the Japanese government selects areas for offshore wind development and manages the public bid process for awarding permits to grid operators. In 2022, the Japanese government empowered JOGMEC, a government agency, to conduct initial surveys for meteorological and geological conditions. In this seminar, I will explain the system of the Centralized Model.</p>	<p>TANIDA Haruka Offshore Wind Development Department, Planning Division, Senior Coordinator Japan Organization for Metals and Energy Security (JOGMEC)</p>
October 5 (Thu.) 15:10~15:40	Demonstration of Large-Scale Tidal Current Power Generation and Community Coexistence Efforts	<p>Title: "Demonstration of Large-Scale Tidal Current Power Generation and Community Coexistence Efforts"</p> <p>We were entrusted by the Ministry of the Environment (MOE), conducted demonstration project of a tidal current power generation using a 500kW tidal turbine (FY 2019-2021). The demonstration was conducted in Naru strait, Goto City, Nagasaki Pref, and achieved successful power generation for about one year.</p> <p>We have newly been entrusted with a project by the MOE from FY 2022. Our aims include advancing practical technologies such as enhanced power capacity through domestic upgrade of the tidal turbine generator, offshore construction works by domestic companies and the grid connection. In addition, we effort fostering a harmonious relationship with local communities which are essential for spread of marine renewable energy.</p>	<p>YAMAMOTO Hiroko Manager Regional Development And Community Engagement Section Business Development Department Kyuden Mirai Energy Co.,INC</p>
October 6 (Fri.) 10:30~11:00	Company Overview and Services for Offshore Wind Farm - Fukada Salvage & Marine Works Co., Ltd.	<p>Fukada Salvage & Marine Works Co., Ltd. was founded in Kure, Hiroshima Prefecture in 1910 and has grown as a comprehensive maritime company. Currently, we are working on the offshore wind business, which is expected to become a renewable energy source, utilizing the experience and technology we have cultivated in the salvage, steel structure installation works, offshore civil engineering, heavy cargo transportation, and offshore development businesses. At the seminar, we will introduce our past achievements in the offshore wind business, our current projects, and new projects we are planning to go forward.</p>	<p>IKENOBU Masayuki Deputy General Manager Offshore Wind Project Department Tokyo Office FUKADA SALVAGE & MARINE WORKS CO.,LTD</p>
October 6 (Fri.) 11:40~12:10	NEDO's activities toward expansion of offshore wind power generation	<p>Offshore wind power generation is attracting a great deal of attention as a means of achieving carbon neutrality by 2050, as it is expected to have a large introduction and economic ripple effects on domestic industry.</p> <p>This presentation will introduce NEDO's efforts in offshore wind power generation since 2008, as well as the trends and future prospects of research and development on floating offshore wind power generation currently being conducted under the "Green Innovation Fund Projects."</p>	<p>SAEGUSA Shunsuke Project Coordinator New Energy and Industrial Technology Development Organization</p>
October 6 (Fri.) 13:10~13:40	Research and development at ATLA	<p>Japan is faced with the increasingly severe security environment. As a response, Acquisition, Technology and Logistics Agency (ATLA) supports Japan's security and defense by serving to create superior equipment while ensuring technological superiority. ATLA's contributions include;</p> <ul style="list-style-type: none"> - Grasping trends in advanced technologies - Formulating Defense Technology Guideline 2023 to reinforcement of defense technology base - Promoting collaboration with various research and development organizations both in Japan and overseas, and - Proactively analyzing and implementing advanced dual-use technologies. <p>The research and development programs based on these efforts enable ATLA to produce technological benefits that effectively sustain the security and defense of the nation.</p> <p>My briefing covers the overview of the above-mentioned initiatives by ATLA.</p>	<p>FUJII Keisuke, Dr. Eng. Director Technology Strategy Division, Department of Technology Strategy Acquisition, Technology & Logistics Agency (ATLA)</p>
October 6 (Fri.) 14:40~15:10	Reorganization of major Japanese shipbuilders	<p>Many of the general heavy industry companies have shipbuilding as their core business. Although based on shipbuilding, the shipbuilding industry is unstable due to the ups and downs of the market, so they entered new fields where they could use shipbuilding technology and expanded new businesses. The company has built a structure that compensates for the unstable shipbuilding business (even if shipbuilding is in the red, other businesses can cover the loss and the company as a whole will be in the black). On the other hand, stakeholders and others are no longer allowing such a system, and competition with South Korea and China has intensified, leading to the recent restructuring. Here is what happened.</p>	<p>GOMI Yoshinori Editor Japan Maritime Daily Co., Ltd.</p>