2021 Global Ocean Regime Conference

Technological Innovation and the Role of the Law of the Sea

Seoul, South Korea

24 November 2021, 10:00(KST)

2021 Global Ocean Regime Conference Webinar Link

Meeting ID: 895 9111 9444 / Passcode: 916360

PROGRAM

10:10 – 11:00	**OPENING SESSION**
10:10 – 10:20	- Opening Remarks: President of KMI
	- Welcoming Remarks: MOON, Seong-Hyeok, Minister of Oceans and Fisheries
10:20 – 10:40	Keynote Speech: Paik Jin-Hyun, Judge, ITLOS
11:00 – 12:30	**SESSION 1**: Technological Innovation and the Law of the Sea
12:30 – 14:00	Lunch and Break
14:00 – 15:30	**SESSION 2**: Technological Innovation and its Application in the Ocean Industry
16:00 – 17:30	**SESSION 3**: Technological Innovation and Continental Shelf
17:40 – 18:00	WRAP UP

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Ministry of Oceans and Fisheries

KMI KOREA MARITIME INSTITUTE

Technological Innovation and the Role of the Law of the Sea

Seoul, South Korea
24 November 2021, 10:00 (KST)

PROGRAM

Time	24 November, Wednesday
09:30–10:10	REGISTRATION
10:10–11:00	**OPENING SESSION**
10:10–10:20	- **Opening Remarks:** President of Korea Maritime Institute - **Welcoming Remarks:** MOON, Seong-Hyeok, Minister of Oceans and Fisheries
10:20–10:40	**Keynote Speech** - Paik Jin-Hyun, Judge, International Tribunal for the Law of the Sea
10:40–11:00	Group Photo Short Break (Preparation for Virtual Conference)
11:00–12:30	**SESSION 1:** Technological Innovation and the Law of the Sea
	Chair: Lee Keun-Gwan, Professor, Seoul National University Law School **Speakers:** 1) James Kraska, Stockton Professor of International Maritime Law, U.S. Naval War College, *"Autonomous Ships and the Law of the Sea"* 2) Steven G. Keating, Assistant General Counsel, The National Geospatial-Intelligence Agency, *"Artificial Intelligence and Safe Navigation of Ships"* 3) Joung Tae-Hwan, Principal Researcher, Korea Research Institute of Ships & Ocean Engineering, *"Paradigm shift toward eco-friendliness in the shipbuilding and international shipping industries following the intensification of the IMO GHG emission regulations"* **Discussants** 1) Kim Hyun-soo, Professor, Inha University Law School 2) Kim Minchul, Director, Yumin International Law Institute
12:30~14:00	Lunch and Break
14:00–15:30	**SESSION 2:** Technological Innovation and its Application in the Ocean Industry
	Chair: Kim Doo-young, Distinguished Research Fellow, KMI and Former Deputy Registrar, ITLOS **Speakers** 1) Andrew Tettenborn, Professor, Swansea University, *"Blockchain and Shipping"* 2) Tafsir Johansson, Senior Research Officer, World Maritime University, *"Overcoming International Regulatory Barriers for Remote Inspection Technology in an Ocean Industry Context"* 3) Seo Youngwoo, CEO, Toogram Systems, *"Ship Engine Failure Prediction System"* 4) Park Jae-Pil, CEO, NARA Space Technology, *"Ship Monitoring by Using Satellite Constellation"* **Discussant** 1) Lee Sung-Woo, Deputy President, General Policy Research Division, KMI 2) Park Han-Seon, Director, Research Fellow, Maritime Industry & Logistics Division, KMI
15:30–16:00	Coffee Break
16:00–17:30	**SESSION 3:** Technological Innovation and Continental Shelf
	Chair: Park Yong Ahn, Member, Commission on the Limits of the Continental Shelf **Speakers** 1) Aldino Campos, Member, CLCS, *"Technological Innovation applied to the Continental Shelf – A three stage challenge"* 2) Sivaramakrishnan Rajan, Former Director, National Centre for Antarctic and Ocean Research, India, Former Member, CLCS, *"UNCLOS in the Polar Regions"* 3) Huh Sik, Principal Researcher, KIOST, *"3D Digital Twin Atlas from Stratigraphy and Tectonics around Korean Seas"* **Discussants** 1) Stuart Kaye, Professor, University of Wollongong 2) Woo Kyung-Sik, Emeritus Professor, Kangwon National University
17:40–18:00	**WRAP UP**
	Chair: Kim Sung-Jin, Former Minister of Oceans and Fisheries and Co-chairperson of Global Ocean Regime Forum **Rapporteur:** Park Young Kil, Director, Law of the Sea Research Center, KMI

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