

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