

Symposium “Sailing together: Striving for a future-proof IMO MASS Code”

14 May 2024 / IMO CR-9 (Hybrid mode)

MC: Ms. Hyejin Park, Korea Maritime Cooperation Center

Time	Themes	Speakers	
< Opening session >			
09:30~09:35	5'	Opening remarks	IMO Secretary-General
09:35~09:40	5'	Congratulatory remarks	Ambassador (Permanent to IMO (ROK))
< Session 1 > MASS, the Evolving Path of Technology			
< Moderator: TERLING Jacob, Principal Administrator, EC DG Mobility & Transport >			
09:40~10:00	20'	Ongoing MASS projects in Norway	Sifis Papageorgiou Norway Maritime Authority, Principal Surveyor
10:00~10:20	20'	On the development of verification procedures of autonomous navigation system and test scenarios for ensuring reliability	Dongjin Yeo KRISO, Principal Researcher
10:20~10:40	20'	Coffee Break	Sponsored by the Republic of Korea
10:40~11:00	20'	The sea-trials for the demonstration of autonomous ship technologies developed by KASS	Geuntae Yim KRISO, Principal Researcher
11:00~11:20	20'	Development and demonstration of network security system using AI for maritime autonomous surface ship	Yongwook Yoon, Pentasecurity, Manager
11:20~11:40	20'	Q&A	
11:40~13:20	100'	Lunch Break	
< Session 2 > MASS, Challenges for Harmonious Technology Development			
< Moderator: KRISTINE PRØSCH, Chief Product Officer, Massterly AS - A Kongsberg Wilhelmsen joint venture >			
13:20~13:40	20'	Advance toward productization of autonomous navigation system, SAS	Eunkyuu Lee Samsung Heavy

Time		Themes	Speakers
			Industry, Senior Research Engineer
13:40~14:00	20'	Developing a simple, usable and reliable assurance framework to enable wide scale MASS operations internationally	Andre Burgess, National Physical Laboratory (UK), Partnerships Manager, Assured Autonomy
14:00~14:20	20'	Impacts and insights gained from the commercialization of autonomous navigation systems (HiNAS)	Hyogyong Joo Avikus (HD Hyundai), Manager
14:20~14:40	20'	Remotely operated survey fleet: Experience from the first 1000 missions / Transforming operations at sea	Shepard Smith XOcean, Chief Technical Officer/ Sofia Lundmark and Gary Sanders Ocean Infinity, Fleet Safety & Security Manager
14:40~15:00	20'	Maritime communication evolution for MASS - IMT-2030 related global collaboration activities in IMO, ITU-R, IALA, and 3GPP -	Hyunhee Koo SyncTechno Inc, CEO
15:00~15:20	20'	Q&A	
15:20~15:45	25'	Coffee Break	Sponsored by the Republic of Korea
< Session 3 > Development of MASS Code and Suggestion of operational aspect			
< Moderator: Dr. Han-seon Park, Director, Korea Maritime Institute >			
15:45~16:00	15'	Development of MASS Code	Charles McHardy MASS CG Chair
16:00~16:20	20'	The management of remote operations	Jan Pas, Aline Douxfils and Diederik Wéreau Belgian Federal Public Service for Mobility and Transport
16:20~16:40	20'	Current status of system and policy related	Sangseop Beom

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		to autonomous ships in Korea	Ministry of Oceans and Fisheries, Deputy Director
16:40~17:00	20'	Cyber risk management for autonomous or remote-controlled ships	Frank Strom USCG, Chief, Systems Engineering Division
17:00~17:20	20'	Greener, safer and smarter logistics - with autonomous shipping	Kristine Prøsch Massterly AS - A Kongsberg Wilhelmsen joint venture, Chief Product Officer
17:20~17:40	20'	Q&A	
< Closing >			
17:40~17:45	5'	Closing remarks	Hiroyuki Yamada IMO Maritime Safety Division Director
17:45~17:50	5'	Commemorative photo	