

	Zoom room1				Zoom room2				Zoom room3					
Day 1	<A1> Marine Safety and Security				<B1> Maritime Education and Training				<C1> Other Related Topics					
A1-1	14:00-14:20	Study on Educational Methods to Enhance Non-technical Skills required for the Officers in charge of a Navigational Watch	Manabu SAITO and Takahiro TAKEMOTO	JIN	B1-1	14:00-14:20	A Study on the Perception of Vessel Collision Risk of Trainees	So-ra KIM, Myoung-ki LEE, Sang-Won PARK, Young-Soo PARK	KINPR	C1-1	14:00-14:20	An intelligent and Auto-Response System toward Fixed point Marine Wind/Wave forecast	Jian Jun, Sun Zheng, Xu Ke, Wang Heng	CIN
A1-2	14:20-14:40	Application of ARIMA to Forecast Spatio-Temporal Ship Density	Ho-Kun JEON, Gi Seop LEE, Hong Yeon CHO, Yong Gil PARK, Chol Yong LEE	KINPR	B1-2	14:20-14:40	Collecting and Analyzing Successful Experiences in Difficult Collision Avoidance	Masaki FUCHI, I Gde Manik Sukanegara ADHITA, Tsukasa KONISHI, Kouhei HIRONO, Mathew ROOKS	JIN	C1-2	14:20-14:40	Pressure Variation Model of an Underwater Vehicle through Multiple Motions using CFD simulation	Thi Loan MAI, Thi Thanh Diep NGUYEN, Aeri CHO, Sojin KWON, Namug HEO, Sanghyun KIM, Ji-Hye KIM, Hyeon Kyu YOON	KINPR
A1-3	14:40-15:00	Thoughts on the future development and application of smart navigation marks	SHUI Xinguang	CIN	B1-3	14:40-15:00	The history of the training ship "Kaiwo Maru" and her achievements in promoting maritime affairs after her retirement.	Kouji SEIDA, Hajime Chiba, Takuma Kishi, Nagi Konishi, Takahiro Ofuji, Atsushi OHSAKA	JIN	C1-3	14:40-15:00	A Study on Long Period Waves in Coastal Waters of Toyama and Niigata	Masashi KAWAI and Hideki KADOMURA	JIN
A1-4	15:00-15:20	Dynamic obstacle avoidance algorithm of ships in Bridge Area based on potential energy field: A Case study of Shanghai-Suzhou-Nantong Yangtze River Railway Bridge	LIU Yihua, WANG Ting, LIU Nian	CIN	B1-4	15:00-15:20	Prediction of Chinese seafarers quantity based on improved GM (1,1) model	YUAN Jingguo	CIN	C1-4	15:00-15:20	Discussion on analytical method of three parameters of Weibull distribution of environmental parameters	CHEN Hailong, LI Linbin, XU Hui	CIN
<A2>	<B2> Marine Safety and Security				<C2> Maritime Intelligent Transportation System				<C2> Maritime Education and Training & Other Related Topics					
A2-1	15:40-16:00	Learning Officer Performance Variability from Dangerous Ship Encounter Situations in Ship Simulator	I Gde Manik Sukanegara ADHITA, Masaki FUCHI, Tsukasa KONISHI, Shoji FUJIMOTO	JIN	B2-1	15:40-16:00	Research on Smart Port Theory and Countermeasures Based on Internet of Things Technology	HU Xiaoyuan, SHEN Daoming	CIN	C2-1	15:40-16:00	A Study on Maritime Education and Training – Self-Evaluation, Mutual Evaluation and Multistep Evaluation –	Yoshiaki KUNIEDA, Akihiro NUNOME, Yoshihiro Majima and Hideyuki KASHIMA	JIN
A2-2	16:00-16:20	Analysis and research on engine room fire based on accident cases	ZHANG Xingbiao, ZHANG Hongpeng, LI Wei	CIN	B2-2	16:00-16:20	Develop an experimental for remote survey for emergency machineries	Hyunwoo LEE, Jeong-Bin YIM	KINPR	C2-2	16:00-16:20	Analysis and Research on navigation Support online learning System	XU Jiazheng, LIU Fengyuan	CIN
A2-3	16:20-16:40	Collision Analyze and Map Plotting of Korea – Japan navigating vessels	Kwangjin KIM, Masaki FUCHI and Tsukasa KONISHI	JIN	B2-3	16:20-16:40	A preliminary study on intelligent support system for High-quality development of Xiamen port	GUO Zhifu, ZHANG Yuanhua	CIN	C2-3	16:20-16:40	A Corpus-based Analysis of Linguistic Features of IALA Publications	LI Qiang, REN Zhehui	CIN
A2-4	16:40-17:00	Discussion on the relocation and construction of liupu harbor beacon	REN Qingfei, LI Mu	CIN	B2-4	16:40-17:00	A Study on the Vagueness in sailing rule of COLREGs of Maritime Autonomous Surface Ships	Deuk-Jin Park, Sang-A Park, Jong-Kwan Kim, Sung-Ho Park	KINPR	C2-4	16:40-17:00	Study on the Path to Achieve Carbon Neutrality of China's Shipping under the Background of "Double Carbon" and Compliance	LIAO Bingbing	CIN
Day 2	<A3> Marine Safety and Security				<B3> Maritime Intelligent Transportation System				<C3> Vessel Traffic Management					
A3-1	10:00-10:20	Revealing success factors of safe ship operations of experienced captains to assess functional requirements of Maritime Autonomous Surface Ships using FRAM	Shota IINO, Hideki NOMOTO, Takayuki HIROSE, Yasutaka MICHUURA, Koji MURAI, Akihiko HORI, Junji FUKUTO	JIN	B3-1	10:00-10:20	Research on VDR data analysis for realization of data-based autonomous remote control	Hong-jin Kim, Soomin Park, Deuk-Jin Park, Jeong-Bin Yim	KINPR	C3-1	10:00-10:20	Discussion on the changes of ship VHF reporting system at VTS area	DONG Zhaoxi, TANG Mengyu	CIN
A3-2	10:20-10:40	Ship Detection from Sentinel-1 Imagery through Thresholding and Clustering Method	Ho-Kun JEON, Hong Yeon CHO	KINPR	B3-2	10:20-10:40	Simulation analysis of leakage, diffusion and explosion of ships carrying dangerous goods while waiting for lock and mooring	ZHANG Jiayi, QI Le, LIU Jingxian	CIN	C3-2	10:20-10:40	A Study on Identification of Ship Type by B-Scope Radar Image using AI	Yasuyuki HIDAKA, Hideaki NAKAMURA, Tatsuto YAMADA, Naoki MUTA, Ryotarou OHNO and Shinji MIZUI	JIN
A3-3	10:40-11:00	Brief talk thoughts on the determination of navigation mark technology in offshore wind power plant	WANG Zhengpeng	CIN	B3-3	10:40-11:00	Basic Research on the Establishment of a Standardization Roadmap of Maritime Autonomous Surface Ship (MASS)	Joo-young Jeon, Jeong-Bin Yim	KINPR	C3-3	10:40-11:00	Research on collision avoidance route planning based on A-star algorithm	Wenbin BAI and Hitoe TAMARU	JIN
A3-4	11:00-11:20	Robust AI algorithm: a key technology to optimize ship intelligent collision avoidance system	LI Lin, SUN Dawei, MENG Xiangming	CIN	B3-4	11:00-11:20				C3-4	11:00-11:20	A Bayesian Network-Based Approach to Port State Control Ship Detention Risk Assessment	YU Dingheng, WU Bing, CHEN Pei	CIN

<A4> Marine Safety and Security					<B4> Modern Marine Engineering Management					<C4> Other Related Topics				
A4-1	11:40-12:00	Analysis of Situation Awareness of Remote Ship Operator Using Simulator	Sonoko KAWASHIMA, Hiroko ITOH, Yasumi KAWAMURA and Hiroki OTSUKA	JIN	B4-1	11:40-12:00	Numerical simulation of the effect of target distance variables on vertical scour of submerged water jets	CHEN Hao, TENG Xianbin, ZHU Faxin, ZHANG Zhibin, ZHANG Xiao	CIN	C4-1	11:40-12:00	A framework for improving the Marine Spatial Data System in the Republic of Korea	Jin-Kyung Kim, Sang-II Lee	KINPR
A4-2	12:00-12:20	Introduction of Korea autonomous surface ship project and ship network security equipment development	Yunja YOO, Kyoung-Kuk YOON, David KWAK, Myongcheol LIM, Sangwon PARK	KINPR	B4-2	12:00-12:20	Reflections on the application of electronic fence in navigation aid	LIN Wei, CHEN Ankun, ZHANG Yiming	CIN	C4-2	12:00-12:20	A Tracking Study on "Empower Women in the Maritime Community" from International Perspective	XU Yiran	CIN
A4-3	12:20-12:40	Study on rescue of liquid hazardous chemicals ship	MIN Zhen	CIN	B4-3	12:20-12:40	Analysis and research on data transmission interference of telemetry monitoring equipment of navigation beacon under electromagnetic noise source environment	LIU Fengyuan, XU Jiazheng, GU Tiliang	CIN	C4-3	12:20-12:40	Interpreting the Mute Shipping Languages: the Decorations on Ancient Vessels in China and the U. K.	LI Fang, REN Tianxiangxiu, SHANG Xin	CIN
A4-4	12:40-13:00	Application analysis of integrated beacon light	GUO Hao	CIN	B4-4	12:40-13:00	Study on quantitative risk assessment and inspection of offshore pressure vessels	Ran Zhou, Xiaolei Zhang, Xiangfeng Li, Xinyu Liu, Qingguo Song	CIN	C4-4	12:40-13:00	Design and performance analysis of a discontinuous spiral baffle heat exchanger	PAN Jin, KANG Shuangqi	CIN
<A5> Marine Safety and Security					<B5> Modern Marine Engineering Management									
A5-1	14:00-14:20	A Navigational Risk Assessment Method for Offshore Wind Farms	ZHANG Zhimin	CIN	B5-1	14:00-14:20	Resistance performance of a ship in brash ice channel using CFD and DEM coupling model	XIE Chang, LU Mingfeng, ZHOU Li, ZHOU Xu	CIN					
A5-2	14:20-14:40	Research on safety risk management of restricted ships navigating in the yangtze river	Hu Yuanlun, Li Haijiao	CIN	B5-2	14:20-14:40	Identification of Noise Points in Buoy Telemetry Position Data Based on PSO-DBSCAN Algorithm	Shao Jinxing, Zhang Xinliang, Xu Liangkun	CIN					
A5-3	14:40-15:00	Generation of Convergent Ship Traffic Dataset using Sentinel-1 Imagery and AIS	Ho-Kun JEON, Hong Yeon CHO	KINPR	B5-3	14:40-15:00	Strain monitoring and analysis of thin plate structure of large cruise on Rising-Landing process	ZHANG Zuoyong, LIU Ziming, SUN Jianzhi, SUN Yiqiang, WANG Xin	CIN					
A5-4	15:00-15:20				B5-4	15:00-15:20	An Actively Positioning System with an Accurate Localization Technique for Sunken Container via a Three-layer Network Structure	MEI Xiaojun, HAN Dezhi, CHEN Yanzhen, WU Huafeng, XIAN Jiangfeng	CIN					