

The 10th International Conference on Logistics and Maritime Systems (LOGMS 2021)

**Emerging Opportunities and Challenges of
Maritime Logistics – Automation, Digitalization,
and Artificial Intelligence**

28 – 31 October, 2021 | Zhejiang University | Zhoushan, China



LOGMS

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Opening ceremony

Welcoming address



On behalf of Ocean College and Zhejiang University, I would like to express my cordial welcome and most sincere greetings to every distinguished guest to the 10th International Conference on Logistics and Maritime Logistics (LOGMS 2021), in a very lovely place – our Zhoushan Campus.

As the old Chinese saying goes, “Ocean embraces all streams”. Ocean College shares the same position with her expanding layout of disciplines and social commitment to contribute to the Maritime Logistics. In recent years, with the development of Artificial Intelligence (AI) technologies, smart port and shipping are attracting more and more attention from both researchers and practitioners. The applied AI technologies will not only improve the performance of existing maritime logistics network, but also upgrade the potential of new generation maritime system.

I hope you will not only exchange a lot of new scientific knowledge and exciting results during and after this conference, but you will also meet old friends and make new good friends here, which we trust will definitely help you deepen future research collaboration.

Finally, I warmly welcome you again to the LOGMS 2021, and hope that you will have nice time in Zhoushan. I also look forward to seeing you in person on our Zhoushan campus in the near future. Thank you very much!

Professor Lizhong Wang

Honorary Chair of LOGMS 2021

Dean of Ocean College, Vice President of Zhejiang University

October 29, 2021

Welcoming remark

Steering Committee Chair of Logistics and Maritime Systems (LOGMS), Professor Rommert Dekker, Distinguished guests, and Ladies and Gentlemen!

I am delighted to welcome all of you to the 10th LOGMS conference. It is the honor of Ocean College, Zhejiang University to host 10th LOGMS conference in Zhoushan City.

LOGMS have contributed to providing a platform for establishing international networks among researchers and practitioners in the field of logistics and maritime systems. Despite current pandemic situation, around 80 papers from 10 countries have been submitted to this conference. It is good performance of the LOGMS. I am sure that this conference will be a wonderful arena not only to share academic outcomes and scientific knowledge but also to make friendship among the participants. Since the outbreak of COVID-19, we have been observing its unexpected challenges and impacts on our lives. Although we cannot meet our friends face to face on site, we need to keep moving on our academic activities at virtual meetings.

While you are staying in a beautiful and Archipelago city, Zhoushan, I wish all of you enjoy this conference and keep yourself stay safe. Archipelago
Thank you very much.



Professor Kap Hwan Kim Professor Paul Taewoo Lee Professor Kevin Li

Conference Chair of LOGMS 2021

Ocean College, Zhejiang University

October 29, 2021

Keynote speech

Keynote speech I

“10 Pre-Requisites for SMART Ports and Terminals”

by Dr. Yvo Saanen

Commercial Director and Founder, TBA, The Netherlands



Abstract: There is not a single conference or article where the term SMART (or digital) is not being used when marketing a new piece of equipment, tool or software. The question may then raise whether these products are actually ‘smart’. This talk introduces 10 “must-haves” for ports and terminals who want to label themselves as “smart” or “digital”. Using today’s proven technology and turning it into value for users of the ports and terminals. The latter is key in my view: too often we see technology seeking application rather than a problem seeking a solution by technology. Nevertheless, ports and terminals are facing a number of challenges in terms of their environmental footprint, workers safety and availability, efficiency and capacity, physical and digital security, that need solutions, which can be found in deployment of technology.

Keynote speech II

“Development of Digital Twin for Next Generation Container Port”

by **Professor Loo Hay Lee**

National University of Singapore, Singapore



Abstract: In this talk, we will introduce the new initiative in Singapore in building the next generation port. We will present our work in developing the digital twin for the port system. This digital twin is developed based on the framework O2DES which has the capability in incorporating optimization in the simulation, and optimizing the system parameters based on simulation output. The work has helped Singapore to explore different innovative concepts which will be used for their next generation container port.

Keynote speech III

“Algorithm Design in Retail Supply Chain”

by **Dr. Yuming Deng**

Head of Supply Algorithm Design, Alibaba Group, China



Abstract: First of all I will provide a brief introduction to the problem definition and the challenges we are facing in Alibaba supply chain. These problems widely involve Time Series Forecasting, Network Topology Optimization, Inventory Placement, Resource Allocation, Inventory Management, Fulfillment Decision, Revenue Management to Catalog Management etc. Solution methodologies are also presented as well as the performance. A future development is also discussed in the presentation.

Keynote speech IV

“The Practices and Challenges of ZPMC’s Port Digital Empowerment”

by **Mr. Yuhua Yang**

General Manager of Science Technology and Digitalization Department, ZPMC, China



Abstract: As one of the earliest suppliers of automated container terminal equipment, ZPMC has independently developed a complete set of automated equipment systems since 2006, and has transformed its role from a single equipment supplier to a system general contractor. Since 2013, ZPMC has undertaken the construction of all fully automated container terminals in China, providing one-stop service for the entire industry chain and the entire life cycle, including terminal layout design from the early stage, equipment manufacturing, system development during the construction period, and system integration after the equipment landing, as well as system and equipment operation & maintenance, and spare parts management after port going live. With the rise of new industrial technology revolutions such as artificial intelligence and 5G in recent years, ZPMC has begun to iteratively upgrade the automated container terminal system to provide users with better automated terminal solutions.

International Steering Committee

- Christian Bierwirth (Martin-Luther-University Halle-Wittenberg, Germany)
- Chung-Yee Lee (Hong Kong University of Science and Technology, China)
- Erhan Kozan (Queensland University of Technology, Australia)
- Fan Wang (Sun Yat-sen University, China)
- Kap Hwan Kim (Zhejiang University, China)
- Loo Hay Lee (National University of Singapore, Singapore)
- Michael Bell (University of Sydney, Australia)
- Panagiotis Angeloudis (Imperial college, UK)
- Rommert Dekker (Erasmus University, Netherlands)
- Stein W. Wallace (NHH Norwegian School of Economics, Norway)

International Program Committee

- Bae Haerim (Pusan National University, South Korea)
- Chen Jihong (Shenzhen University, China)
- Choi Sang-Hee (Korea Maritime Institute, South Korea)
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- Dragovic Branislav (University of Montenegro, Montenegro)
- Ge Yingen (Shanghai Maritime University, China)
- Haasis Hans-Dietrich (Bremen University, Germany)
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- Lim Ming K (Chongqing University, China)
- Liu Weihua (Tianjin University, China)
- Moon Ilkyeong (Seoul National University, Korea)
- Nishimura Etsuko (Kobe University, Japan)
- Voss Stefan (University of Hamburg, Germany)
- Yang Zhongzhen (Ningbo University, China)
- Zeng Qingcheng (Dalian Maritime University, China)
- Zhao Lindu (Southeastern University, China)
- Zhen Lu (Shanghai University, China)
- Zhong Ming (Wuhan University of Technology, China)

Local Organizing Committee

- Feng Xuehao (Zhejiang University, China)
- Liu Nan (Zhejiang University, China)
- Wang Hongfeng (Northeastern University, China)
- Wang Yan (ZPMC, China)
- Xiao Yi (Zhejiang University, China)
- Yang Yi (Zhejiang University, China)
- Ye Guanqiong (Zhejiang University, China)
- Yin Jingbo (Shanghai Jiao Tong University, China)
- Zhou Yanjie (Zhengzhou University, China)
- Zhu Yongxiang (Ningbo Zhoushan Port, China)

Conference Programme

28 October 2021 (Thursday)

14:30-21:00 Registration

Venue: Lobby, Haiji Hotel, Zhoushan Campus, Zhejiang University

13:00-18:00 Alibaba Industrial Session

Venue: Alibaba (China) Co., Ltd: 969 West Wen Yi Road, Yu Hang District, Hangzhou, China

29 October 2021 (Friday, Venue: Haiji Hotel, Zhoushan Campus, Zhejiang University)

08:30-09:00 Registration (Lobby, Haiji Hotel)

09:00-10:00 Meeting Editor (Haina Hall, Haiji Hotel)

Tutorial: How to write an academic paper and publish it at a journal?

(Professor Kevin Li, Zhejiang University, China. Editor in Chief of *Maritime Policy & Management*)

followed by a discussion with young scholars and students

10:20-11:50 Plenary Session I (Chaired by Professor Kap Hwan Kim)

Keynote Speech:

Dr. Yvo Saanen (TBA, The Netherlands)

» Topic=> 10 Pre-Requisites for SMART Ports and Terminals

Professor Loo Hay Lee (National University of Singapore, Singapore)

» Topic=> Development of Digital Twin for Next Generation Container Port

Q&A

12:00-13:00 Lunch Break (Haiyun Xuan, Haiji Hotel)

13:15-15:20 Paper presentation sessions

**Special session: Building Global Research Network along the Belt and Road
(Chaired by Professor Paul Tae-Woo Lee and Professor Prem Chhetri)**

15:20-15:40 Tea Break

15:40-16:20 Opening Ceremony (Haina Hall, Haiji Hotel, Chaired by Professor Kevin Li, Zhejiang University)

Opening Remark (Professor Paul Tae-woo Lee, Zhejiang University)

Welcome Speech (Professor Lizhong Wang, Vice President, Zhejiang University)

Congratulatory Speech (Professor Rommert Dekker, Chairperson of LOMGS, Erasmus School of Economics, The Netherlands)

Memorial photo taking with all the conference participants

16:20-18:25 Paper presentation sessions

18:45-21:00 Gala dinner (Hailan Hall, Haiji Hotel)

30 October 2021 (Saturday, Venue: Haiji Hotel, Zhoushan Campus, Zhejiang University)

09:00-11:45 Plenary Session II (Chaired by Professor Paul Taewoo Lee)

Keynote Speech:

Dr. Yuming Deng (Alibaba group, China)

» Topic=> Algorithm Design in Retail Supply Chain

Dr. Yuhuang Yang (ZPMC, China)

» Topic=> The Practices and Challenges of ZPMC's Port Digital Empowerment

Q&A

11:45-12:50 Lunch Break

13:00-15:05 Paper presentation sessions && Industrial session

15:05-15:30 Tea break

15:30-17:10 Paper presentation sessions

17:10-17:30 Closing Ceremony (Haina Hall, Haiji Hotel, Chaired by Professor Kevin Li, Zhejiang University)

Best Student Paper Awards (Professor Wang Ruifei, Secretary of Ocean College, Zhejiang University)

Closing Remark (Professor Rommert Dekker, Chairperson of LOMGS, Erasmus School of Economics, The Netherlands)

Closing Remark (Professor Paul Taewoo Lee, Ocean College, Zhejiang University)

18:30-20:00 Conference dinner (YePaiDang at Donggang, Depart at 17:45 from Haiji Hotel together by conference bus)

31 October 2021 (Sunday)

Industry Trip (Hangzhou) (Depart from Zhoushan at 7:00 and finish the tour around 15:00)

ZOOM Information

Time	ID	Password	Link
10.29 Morning	859 791 25054	202714	https://us02web.zoom.us/j/85979125054
10.29 Afternoon	871 600 29813	597946	https://us02web.zoom.us/j/87160029813
10.30 Morning	847 407 18644	973519	https://us02web.zoom.us/j/84740718644
10.30 Afternoon	870 980 69839	507994	https://us02web.zoom.us/j/87098069839

Note: Four session rooms will be available under the umbrella of each link.

Please do not circulate the ZOOM information to others who are not the participants of LOMGS 2021

Detailed Schedule (Paper Presentation Sessions)

28 October 2021

13:00-18:00

Alibaba Industrial Session

Venue: Alibaba (China) Co., Ltd: 969 West Wen Yi Road, Yu Hang District, Hangzhou, China

Session
Chairperson

Yi Yang (Zhejiang University)

Trend and Development Tendency of Smart Supply Chain

Xiaolin Xu (*online*)

**Solution and Practice for Large-scale Operation Research
Optimization Problem**

13:00-18:00

Qingwei Jin

Data-driven Optimization and Inventory Management

Yi Yang

Practice by Alibaba Group

Tong Lao

29 October 2021

13:15-15:20

Paper presentation sessions

Venue: 2nd floor, Haiji Hotel, Zhoushan Campus, Zhejiang University

Conference Room

Session A
Room: Haixi Hall
== Terminal Operation I ==

Session 1 for student paper award competition
Room: Haizhong Hall
== Port logistics==

Session Chairperson

Zhongzhen Yang (Ningbo University)

Lei Dai (Shanghai Jiao Tong University)

Prediction of the Number of Loading Trucks Using Deterministic Walk Model

Measurement of Inland Port Spatial Relationship: A Case Study of Yangtze River Inland Ports

Kikun Park, Hyerim Bae (*online*)

Zhen Wu, Jongchul Lee (*online*)

Handshake Operations and Its Location Optimization for Twin Overhead Shuttle Cranes in an Automated Container Terminal

Predicting Dwell Time of Inbound Containers in Port Terminals Using Artificial Neural Networks

13:15-15:20

Bonggwon Kang, Bosung Kim, Soondo Hong (*online*)

Alejandra Rodriguez, Yun Won-Young (*online*)

The Impact of Port Integration on Port Service Quality: An Empirical Study from China's Port Integration

Modeling Categorized Truck Arrivals at Ports Big Data for Traffic Prediction

Caipeng Hong, Shanhua Wu, Qian Yang, Zhongzhen Yang

Haotian Sheng, Na Li, Pingyao Wang, Yulin Jia, Zaiili Yang, Zhihong Jin

Optimization Technique for Integrated Container Operations

Estimating the Economic Loss of a Seaport Due to the Impact of COVID-19

	Huan Jin, Ruibin Bai	Xiaoxuan Zhou, Lei Dai, Danyue Jing, Hao Hu, Yubing Wang
	Yard Management in Automated Container Terminals	Joint Lane Scheduling Decisions for Arrival and Departure Trucks in Container Terminal Flexible Gate System
	Hang Yu, Yiyun Deng, Xin Xiao, Junliang He	Xin Lin, Weiwei Liu, Qiyao Yan, Zhiqi Qin, Dongqi Wang, Weihua Zhou
Conference Room	Special Session for Building Global Research Network (GRN) along the Belt & Road Room: Haina Hall	Session B Room: Haizhou Hall == Maritime Economics & Management ==
Session Chairperson	Paul Taewoo Lee (Zhejiang University) & Prem Chhetri (RMIT University)	Ze Wang (University of Sydney)
	<ul style="list-style-type: none"> ● Introduction of GRN of Belt and Road Initiative ● Discussion about GRN's role and activities ● Launching ceremony 	Two-stage Slot Allocation of Container Liner Transportation Based on Differential Pricing Strategy
	Paul Tae-Woo Lee & Prem Chhetri	Chenjia He, Xu Zhao, Huiyan Zhang (<i>online</i>)
13:15-15:20	Study on the Exit Strategy of Government Subsidies Considering the Competition and Cooperation Relationship among China Railway Express	Impacts on Container Ship Investment Decisions —New buildings vs Second-Hand Vessels
	Fan Wu, Hairui Wei	Lixian Fan, Jiaqi Xie (<i>online</i>)
	Capacity Heterogeneity and Collusion Motivation: An Empirical Study from Maritime Silk Road	Privileged or Ordinary Carrier Strategic Choice in a Competitive Environment
	Gang Dong, Zongtuan Liu	Fengjue Xie, Chuanxu Wang

	Research on The Impact of GTAP-based CPTPP Expansion on Industrial Sectors: Taking China's Manufacturing Industry as An Example
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Ji Guo, Shaohan Jiang, Xianhua Wu, Xuehao Feng, Taewoo Lee

	How to Improve the Resilience of the Industrial Chain under the Forward and Backward Interruption Transmission Effect? — based on Weighted Complex Network Analysis Methods
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Jianghui Liu, Haiyan Lu

15:20-15:40 Tea Break (Haina Hall, 2nd floor, Haiji Hotel)

29 October 2021

16:20-18:25 Paper presentation sessions
Venue: 2nd floor, Haiji Hotel, Zhoushan Campus, Zhejiang University

Conference Room	Session C Room: Haixi Hall == Terminal Operation II ==	Session 2 for student paper award competition Room: Haizhong Hall == Sustainable & Innovative Maritime Logistics ==
Session Chairperson	Ivan Kristianto Singgih (Korea University)	Gang Dong (Shanghai Maritime University)

16:20-18:25	Truck Flow Analysis and Congestion Resolution using Deep Learning Method at A Container Terminal	Effect of Foldable Containers in Uncertain Situation
	Sofyan Dwi Cahyo, Surento, Veterina Nosadila Riaventin, Vina Sari Yosephine, Ivan Kristianto Singgih (<i>online</i>)	Minsu Kim, Ruiyou Zhang, Ilkyeong Moon (<i>online</i>)

	Seaside Link Operations Modelling at Seaport Automobile Terminal	Cost Benefit Analysis of Ship Sulfur Reduction Option under Sulfur Restriction Order
	Branislav Dragovic, Romeo Mestrovic, Nenad Zrnic, Stratost Papadimitriou, Mauro Petranovic (<i>online</i>)	Zhonghao Zhang, John Smith, John Lee (<i>online</i>)
	Study on Synergized Loading and Unloading Operations at Floating Cargo Port	Incentives to Promote the Use of Shore-side Power
	Mengxue Yuan, Chenhao Zhou, Jingwen Zhang (<i>online</i>)	Xinyi Zhu, Ying Kou (<i>online</i>)
	Multi-AGV Path Planning and Distributed Deadlock Prevention Methods	Factors Influencing Decision to the Sulfur Emission Abatement for Cruise Shipping Companies
	Junling Jiao, Chenhao Zhou, Ada Che (<i>online</i>)	Zehua Bao, Xin Zhang
	Inland-waterway-based multimodal transportation with bulk containerization	Smart port: A bibliometric Review and Future Research Directions
	Xiaowei Yin, Ruiyou Zhang, Xuehao Feng, Decheng Wang (<i>online</i>)	Kevin Li, Hao Tong, Mengchi Li
Conference Room	Session D Room: Haina Hall == Data Driven Analysis ==	Session E Room: Haizhou Hall == Intermodal Transportation & Logistics ==
Session Chairperson	Menqiao Xu (Dalian University of Technology)	Qian Yang (Shanghai Maritime University)
16:20-18:25	A Critical Examination for Widespread Usage of Big Data Analytics in China Shipping	Intermodal Container Routing Optimization with Service Requirements

Jianjun Wu, Pengfei Zhang, Sriram Rajagopal (<i>online</i>)	Yifan Shen, Jun Xia (<i>online</i>)
A Big Data Approach to Cargo Type Prediction and Its Implications for Oil Trade Estimation	The Impact of China Railway Express (CRE) on FDI Inflows: Evidence from a Quasi-natural Experiment in Chinese Prefecture-level Cities
Yiliang Li, Xiwen Bai, Qi Wang, Zhongjun Ma (<i>online</i>)	Xingong Ding, Kyoung-Suk Choi, Xina Ji (<i>online</i>)
Data-driven Analysis of the Global Liner Shipping System: A Network Science Perspective	The Structure Evolution and Driving Factors of the 21st Century Maritime Silk
Mengqiao Xu	Yaokun Zhang, Junyong Xiang (<i>online</i>)
Situational Awareness Analysis for Ship Tracking Based on Fog Sailing Video	Research on the Collaboration between Online Sales Distribution and Offline Mobile Sales in Rural Areas
Xinqiang Chen, Jinbiao Zheng, Zichuang Wang, Jun Ling	Qian Yang, Shanhua Wu, Zhongzhen Yang
Maritime Traffic Network Construction a Novel Big-data Driven Approach	
Shaoqing Guo, Junmin Mou, Lianhui Wang, Pengfei Chen	

Gala Dinner

- Venue: Hailan Hall, 1st floor, Haiji Hotel, Zhoushan Campus, Zhejiang University

30 October 2021

13:00-15:05	Paper presentation sessions and Industrial Session Venue: Haiji Hotel, Zhoushan Campus, Zhejiang University	
Conference Room	Session F Room: Haixi Hall == Terminal Operation III ==	Session 3 for student paper award competition Room: Haizhong Hall == Maritime Transportation ==
Session Chairperson	Yanjie Zhou (Zhengzhou University)	Xiao Zhang (Zhejiang University)
	Ports Cooperation under Epidemic Protection	Effect of Online Quote Capability in Liner Shipping
	Luyi Xie, Shidao Geng, Huizhu Ju	Tingting Han, Dong Yang, Ping Ji, Cheuk Li (Charade) Wu (<i>online</i>)
	A Deep Learning Method to Predict Container Throughput for Inland Port	A Composite Method to Assess the Resilience of Global Liner Shipping Network from Multiple Levels
13:00-15:05	Yanjie Zhou, Guoxu Liu	Zhongjun Ma, Xiwen Bai (<i>online</i>)
	Sequencing Ship Operations Considering Dual Cycling and Operation Time	Who Carries the Titan: Trade Links Between China and the World?
	Baolin Wen, Xuehao Feng, Kap-Hwan Kim	Xiao Zhang, Kevin X. Li, Yi Xiao, Yuhan Zhu
	A Two-phase Model for Sustainable Location of Dry Ports: A Case of Ningbo-Zhoushan Port in China	Bust and Boom in Container Shipping During the Pandemic Explained by System Dynamics

	Longjia Li, Chuanxu Wang	Ze Wang, Michael Bell, Shengda Zhu, Jyoti Bhattacharjya, Glenn Geers
	Technological Transformation and the Implication for Work, Workforce Skills and Employment: A Case Study of Danang and Vietnam Port's Industry	Oil and Tanker Market Dynamics During 2020
	Vi Thanh Xuan Nguyen, Victor Gekara, Darryn Snell (<i>online</i>)	Ze Wang, Michael Bell, Shengda Zhu, Jyoti Bhattacharjya, Glenn Geers
Conference Room	Industrial Session Room: Haina Hall == Latest Technology Trends for Logistics and Maritime Systems (NELT) ==	Session G Room: Haizhou Hall == Green logistics I ==
Session Chairperson	Sung-Jin Kim (NeLT)	Shiyuan Zheng (Shanghai Maritime University)
	An Overview of the Foldable Container Development	The Impact of Emission Allowance Allocation on the Adoption of Emission Reduction Measures
	Hag-Seoung Kim, Yong-Jang Kwon (<i>online</i>)	Ruqi Zhou, Meifeng Luo (<i>online</i>)
13:00-15:05	Autonomous Vessel Voyage Planning Modeling in Northern Sea Route with Liquid Hydrogen Transportation and Propulsion	Pricing Strategy for Ports to Promote the Use of Onshore Power under Uncertainty
	Se Won Kim, Young Jun Yoo, Ji Sung Jo, Ju Hyang Lee (<i>online</i>)	Yuying Wang, Ying Kou (<i>online</i>)

<p>10 Megatrends for Emerging Logistics Technologies with the LDA Analysis of Patent and Web of Science Information</p>	<p>A Study on the Impact of Japanese Nuclear Wastewater Discharge into the Sea on the Global Economy Based on Inoperability Input-output Model</p>		
<p>Koo Po Kwon, Su Mi Kim, Jiwon Yu, Binglu Cui, Sanghei Choi, Chulung Lee (<i>online</i>)</p>	<p>Xianhua Wu, Yi Zhang, Xuehao Feng, Taewoo Lee</p>		
<p>The Next-generation Optimization Technologies in Smart SCM</p>	<p>Study of the Economic Impact Assessment on EU Carbon Tax Policy in Different Scenarios</p>		
<p>Alibaba</p>	<p>Ji Guo, Rongrong Gu, Xianhua Wu, Xuehao Feng, Taewoo Lee</p>		
<p>Case Study of Shanghai Yangshan Phase4 Automated Container Terminal</p>	<p>Does Information Publicity of Ports' Adaptation Investments Improve Welfare?</p>		
<p>ZPMC</p>	<p>Shiyuan Zheng, Kun Wang</p>		
<p>15:05-15:30 Coffee break (Haina Hall, Haiji Hotel)</p>			
<p>15:30-17:10 Paper presentation sessions Venue: Haiji Hotel, Zhoushan Campus, Zhejiang University</p>			
<p>Conference Room</p>	<table border="0"> <tr> <td data-bbox="577 1090 1227 1201"> <p>Session H Room: Haixi Hall == Inventory & SCM ==</p> </td> <td data-bbox="1227 1090 2045 1201"> <p>Session I Room: Haizhong Hall == Port Economics ==</p> </td> </tr> </table>	<p>Session H Room: Haixi Hall == Inventory & SCM ==</p>	<p>Session I Room: Haizhong Hall == Port Economics ==</p>
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<p>Session Chairperson</p>	<table border="0"> <tr> <td data-bbox="577 1201 1227 1311"> <p>Yanjie Zhou (Zhengzhou University)</p> </td> <td data-bbox="1227 1201 2045 1311"> <p>Lixin Shen (Dalian Maritime University)</p> </td> </tr> </table>	<p>Yanjie Zhou (Zhengzhou University)</p>	<p>Lixin Shen (Dalian Maritime University)</p>
<p>Yanjie Zhou (Zhengzhou University)</p>	<p>Lixin Shen (Dalian Maritime University)</p>		

15:30-17:10	Incorporating Inventory Holding Cost in Continuous-Time Service Network Design	The Co-evolution of Seaports and Dry Ports in Shandong Province in China under the Belt and Road Initiative
	Shengnan Shu, Zhou Xu, Roberto Baldacci (<i>online</i>)	Yiran Sun, Yuqian Wang, Jingci Xie, Yipeng Wang, Xinjing Liu (<i>online</i>)
	Fourth Party Logistics Service Level Management: Investment, Incentives and Audit	Comparing Port Efficiencies from Ports' and Vessels' Perspectives
	Hongyan Wang, Hongfeng Wang, Min Huang	Jing Zhang, Meifeng Luo (<i>online</i>)
	Multi-objective Supply Chain Optimization and Simulation Based on Stochastic Demand	Research on the Spatial Spillover Effect of Port Development on National Economic Growth under The Background of the 21st-Century Maritime Silk Road
	Yitian Zhang, Hongfeng Wang, Jingze Chen	Lixin Shen, Yang Xu, Qin Yang, Jing Chen (<i>online</i>)
	A Zone-based Pricing for Vehicle Routing Problem with Time Window and Stochastic Demand	Market Power in the Hierarchical Global Value Chain: Explaining the Design of Climate and Environment Clauses in Trade Negotiations
	Yong Shi, Yanjie Zhou, Qian Qian Zhao	Qinyi Xu (<i>online</i>)
Conference Room	Session J Room: Haina Hall == Northern Sea Transportation ==	Session K Room: Haizhou Hall == Green Logistics II ==
Session Chairperson	Adolf K.Y. Ng (Beijing Normal University-Hong Kong Baptist University United International College)	Chuanxu Wang (Shanghai Maritime University)

	Revealing the True Navigability of the Northern Sea Route from Ice Conditions and Weather Observations	Evaluations and Comparisons of Market-based Measures in Decarbonizing the Shipping Industry
	Gleb Sibul, Jian Gang Jin (<i>online</i>)	Huiming Wang, Ying Kou (<i>online</i>)
	Strategies to Mitigate the Impact of COVID-19 on Cold Chain Logistics from the Perspective of Port Authority: The Case of China	A New Scenario Evolutionary Reasoning Approach for Maritime Emergencies Based on Extended Belief Rule Base
	Kevin Li, Xiao Yi (<i>online</i>)	Baode Li, Jing Lu
15:30-17:10	Developing a Resilience Index for Safer and More Resilient Arctic Shipping	Green Shipping Finance Development in Container Shipping Market
	Roozbeh Panahia, Adolf K.Y. Ng, Mawuli Afenyo	Jialin Yang, Ying-en Ge
		Ship Routing Optimization with Environmental Tax and Different Green Technology Combinations
		Linyu Xiang, Chuanxu Wang

Associated Journals

☉ **Transportation Research Part E: Logistics and Transportation**

Guest Editors:

Christian Bierwirth, Martine-Luther-University of Halle-Wittenberg, Germany

Rommert Dekker, Erasmus School of Economics, The Netherlands

Xuehao Feng, Ocean College, Zhejiang University, China

Kap Hwan Kim, Ocean College, Zhejiang University, China

Link

<https://www.sciencedirect.com/journal/transportation-research-part-e-logistics-and-transportation-review/about/call-for-papers>



☉ **Maritime Policy & Management**

Guest Editor:

Qingcheng Zeng, Dalian Maritime University, China

Panagiotis Angeloudis, Imperial College London, UK

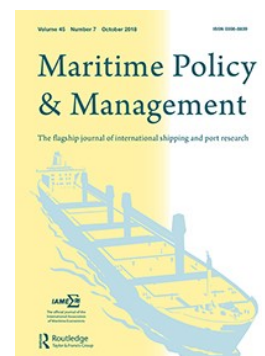
Loo Hay Lee, National University of Singapore, Singapore

Jingbo Yin, Shanghai Jiao Tong University, China

Kun Soo Park, Seoul National University, South Korea

Link

https://think.taylorandfrancis.com/special_issues/digital-innovation-ports-2/?utm_source=TFO&utm_medium=cms&utm_campaign=JPG15743



☉ **International Journal of Logistics- Research and Applications**

Prof. Paul Tae-Woo Lee (Lead Guest Editor), Ocean College, Zhejiang University, China. Email: paultaewoo.lee@zju.edu.cn

Prof. Yong Jin Kim, Asia Pacific School of Logistics, Graduate School of Logistics, Inha University, Korea. Email: yongjin@inha.ac.kr

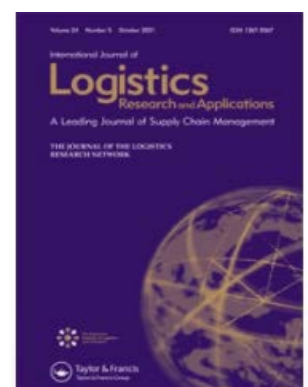
Prof. Hwa-Joong Kim, Asia Pacific School of Logistics, Graduate School of Logistics, Inha University, Korea. Email: hwa-joong.kim@inha.ac.kr

Associate Prof. Xuehao Feng, Ocean College, Zhejiang University, China. Email: fengxuehao@zju.edu.cn

Professor Prem Chhetri, Department of Supply Chain and Logistics Management, RMIT University, Australia. Email: prem.chhetri@rmit.edu.au

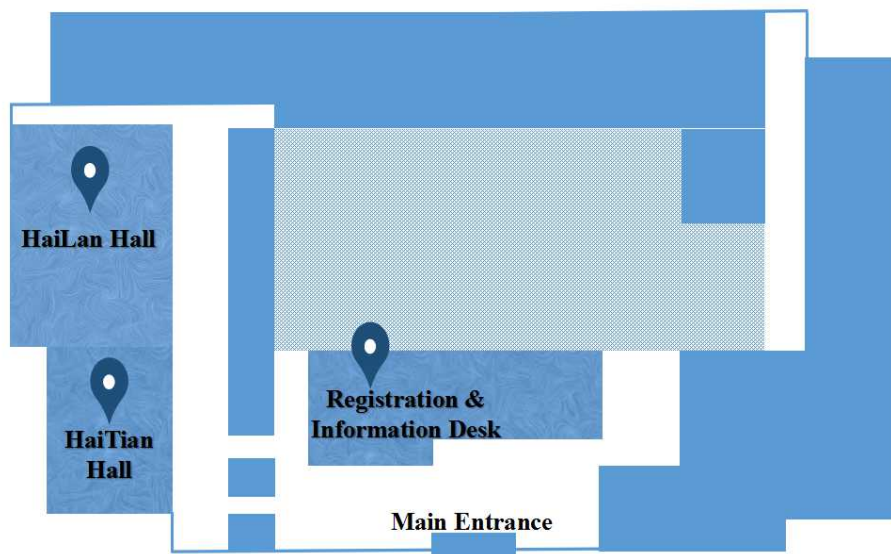
Link

<https://www.callforpapers.co.uk/global-logistics-distribution-centres>

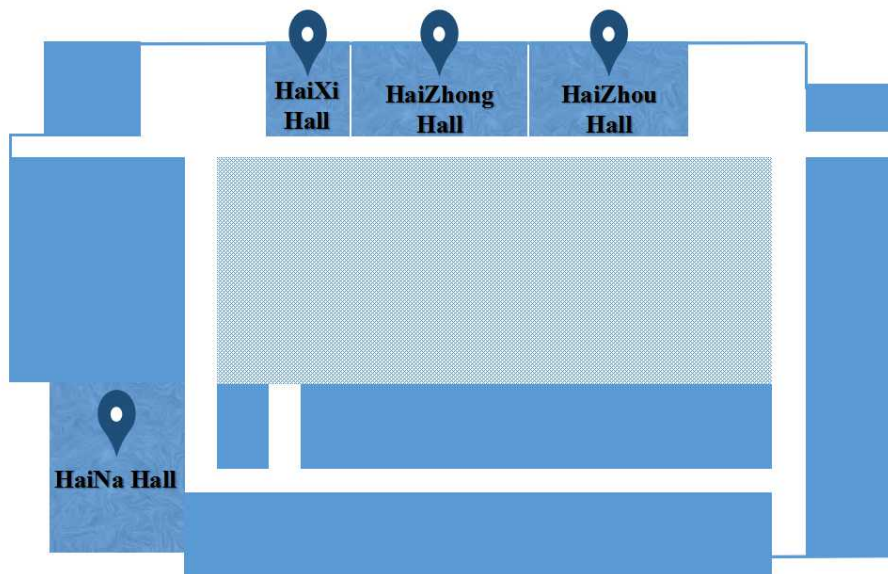


Conference Information

Haiji Hotel floor information



**HaiJi Hotel
1st Floor**



**HaiJi Hotel
2st Floor**

Contact information

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110 (Police)

0580-2092110 (Campus Security)

Number of participants

October 28, Hangzhou, Alibaba industrial session, offline 40, online 1000

October 29-30, Zhoushan, Zhejiang University, Offline 75, online 40

Number of presentations: 81

Number of countries of participants: 20