

SESSION SCHEDULES (Friday, 13th SEP)

<p>(Technical Session) Section 1, Session 1 Time: 1400 – 1530 Room: Mercury I (Level 5) Session Chairs: Tao Lu</p>	<p>(Technical Session) Section 1, Session 2 Time: 1400 – 1530 Room: Jupiter II (Level 3) Session Chairs: Estuko Nishimura</p>	<p>(Technical Session) Section 1, Session 3 Time: 1400 – 1530 Room: Jupiter III (Level 3) Session Chairs: Yi Tao</p>	<p>(Industrial Session) Section 1, Session 4 Time: 1400 – 1530 Room: Venus II & III (Level 3) Session Chairs: Kap Hwan Kim</p>
<ul style="list-style-type: none"> • Uncertainty in maritime fleet renewal: A case from the RoRo shipping industry Giovanni Pantuso¹, Kjetil Fagerholt¹, Stein W. Wallace² ¹Norwegian University of Science and Technology ²Norwegian School of Economics • Tonnage planning for one of the world's leading RoRo carriers Jørgen Glomvik Rakke¹, Guy Desaulniers², Magnus Stålhane³ ¹Norwegian University of Science and Technology, Norway ²École Polytechnique, Canada ³The Norwegian Marine Technology Research Institute (MARINTEK), Norway • Logistics Cycles in Japan Export Trade To Asia Kunio Miyashita Kansai-gaikokugo University, Japan • Putting All Shipments In One Vessel? Carrier Portfolio Management in Liner Shipping Tao Lu¹, Jan C. Fransoo², Chung-Yee Lee¹ ¹The Hong Kong University of Science and Technology, Hong Kong ²Eindhoven University of Technology, Netherlands 	<ul style="list-style-type: none"> • Environmental Impact of Tractor to Trailer Assignment with Full and Empty Containers Estuko Nishimura¹, Toshitaka Mise¹, Akio Imai¹ ¹Kobe University, Japan • A Multi-Objective Goal Programming For Green Supplier Transportation Network Design Based On Customer Segmentation Semih Çoşkun¹, Leyla Özgür¹, Olcay Polat¹, Aşkaner Güngör¹ ¹Pamukkale University, Turkey • Subway Train Scheduling By a Cooperative Coevolutionary Algorithm Using an Adaptive Penalty Function Aekyoung Bae¹, Hoonseok Lee¹, Jeongmin Kim¹, Kwang Ryel Ryu¹ ¹Pusan National University, Korea 	<ul style="list-style-type: none"> • Ict and Rfid Applied In International Food Security Logistics Service – Case of Between Taiwan and Vietnam Food Suppliers Shih Tsung Lee¹, Hua Rzon Zhang¹, Yin Hsin Lin² ¹Zhongnan University of Economics and Law, China ²National Kaohsiung First University of Science & Technology, Taiwan • Impact of Information Sharing On Supply Chain Risks Yi Tao¹, Loo Hay Lee¹, Ek Peng Chew¹ ¹National University of Singapore, Singapore • Rough Set Multi-Criteria Decision Analysis in Logistics Management: Case of Enhancing Supplier Selection Jasmine Siu Lee Lam Nanyang Technological University, Singapore • The Research of Petrochemical Plant Construction of Logistics Management; Case of the Sixth Petrochemical Plant Construction Project Yingjen Chen¹, Hanmin Huang¹, Yingshing Lin² ¹Zhongnan University of Economics and Law, Taiwan ²National Kaohsiung First University of Science and Technology, Taiwan 	<ul style="list-style-type: none"> • The Next Generation Container Port with Two-type Storage System and Underground Transportation System Thai Van Vinh Nanyang Technological University, Singapore • Conceptual Designs of Container Terminal for New Maritime Environment Dong-Won Jang¹, Sang Hei Choi¹, Kap Hwan Kim¹ ¹Pusan National University, Korea • Grid Frame based Automated Container Terminal Charles E. Benedict¹, EP Chew², LH Lee², XJ Jiang² ¹BEC Industries, LLC., USA ²National University of Singapore, Singapore

SESSION SCHEDULES (Friday, 13th SEP)

<p>(Technical Session) Section 2, Session 1 Time: 1600 – 1730 Room: Mercury I (Level 5) Session Chairs: Stefan Guericke</p>	<p>(Technical Session) Section 2, Session 2 Time: 1600 – 1730 Room: Jupiter II (Level 3) Session Chairs: Eirik Fernandez Cuesta</p>	<p>(Technical Session) Section 2, Session 3 Time: 1600 – 1730 Room: Jupiter III (Level 3) Session Chairs: Rahul Patil</p>	<p>(Industrial Session) Section 2, Session 4 Time: 1600 – 1730 Room: Venus II & III (Level 3) Session Chairs: Holger Schuett</p>
<ul style="list-style-type: none"> • Liner Network Design under Consideration Of Transit Times And Partner Networks Stefan Guericke¹, Leena Suhl¹ ¹University of Paderborn, Germany • Feeder Service Network Design under Unstable Demand Environments Olcay Polat¹, Osman Kulak¹, Hans-Otto Günther² ¹Pamukkale University, Turkey ²Technical University of Berlin, Germany • A Consolidation Model for Cargo-Driven Intermodal Transportation Behzad Behdani¹, Rob Zuidwijk¹ ¹Delft University of Technology, Netherlands • A Branch-And-Price Algorithm for the Liner Shipping Network Design Problem Kristian Thun¹, Henrik Andersson¹ ¹Norwegian University of Science and Technology, Norway 	<ul style="list-style-type: none"> • How to Price a Road in a Complex Network Sahar Babri¹, David Philip McArthur², Inge Thorsen³, Jan Uboe⁴ ¹Norwegian School of Economics, Norway ²University of Oslo, Norway ³Stord/ Haugesund University College, Norway ⁴Norwegian School of Economics, Norway • Model Development of Optimum Markdown Policy for Multi-Temperature Perishable Food Products Ahmad Rusdiansyah¹, Yelita Iskandar¹, Imam Baihaqi¹ ¹Sepuluh Nopember Institute of Technology, Indonesia • Inventory Positioning For Performance-Based Contracting Under Uncertainties Huayi Jing¹, Kwong Meng Teo¹ ¹National University of Singapore, Singapore • Strategic Hub Location and Fleet Composition In Offshore Personnel Transportation Eirik Fernandez Cuesta¹, Henrik Andersson¹, Kjetil Fagerholt¹ ¹Norwegian University of Science and Technology, Norway 	<ul style="list-style-type: none"> • The Vehicle Routing Problem in a Hybrid Hub-And-Spoke Network with Demand Uncertainty Jiyoung Choi¹, Chungmok Lee¹, Sungsoo Park² ¹ETRI, Korea ²KAIST, Korea • Comparison Analysis of Spanning Vs. Pairwise Revenue Sharing Contract Model For Multi Stage Logistic System Rescha Dwi Astuti Putri¹, Ahmad Rusdiansyah¹, Naning Aranti Wessiani¹ ¹Institut Teknologi Sepuluh Nopember, Indonesia • A Simulation Model of Blood Supply Chain at Regional Red-Cross in Indonesia Suwardie Aditya Wibisono¹, Bertha Maya Sopha¹, Muhammad Kusumawan Herliansyah¹ ¹Gadjah Mada University, Indonesia • Application of Vehicle Routing At an Indian Dairy Firm Rahul Patil SJMSOM IIT BOMBAY, India 	<ul style="list-style-type: none"> • Singa Port EP Chew¹, LH Lee¹, KC Tan¹, XJ Jiang¹ ¹National University of Singapore, Singapore • A New Concept for Transshipment Hubs Based On Existing Technologies Holger Schuett ISL Applications GmbH, Germany • An Innovative Rail Track System for Heavy Freight Logistics Sung-il Seo¹, Donghoon Kang¹, Jeongguk Kim¹, Jung-Seok Kim¹, Soon Man Hong¹ ¹Korea Railroad Research Institute, Korea

SESSION SCHEDULES (Saturday, 14th SEP)

<p>(Technical Session) Section 3, Session 1 Time: 0800 – 0930 Room: Jupiter I (Level 3) Session Chairs: Lixin Tang</p>	<p>(Technical Session) Section 3, Session 2 Time: 0800 – 0930 Room: Jupiter II (Level 3) Session Chairs: Ceyda Oguz</p>	<p>(Technical Session) Section 3, Session 3 Time: 0800 – 0930 Room: Jupiter III (Level 3) Session Chairs: Xiaoming Sheng</p>
<ul style="list-style-type: none"> • Quay Crane Scheduling Guvenc Dik¹, Erhan Kozan¹ ¹<i>Queensland University of Technology, Australia</i> • Optimal Algorithm for General Quay Crane Double-Cycling Problem Chung-Yee Lee¹, Ming Liu², Chengbin Chu³ ¹<i>Hong Kong University of Science and Technology, Hong Kong</i> ²<i>Tongji University, China</i> ³<i>Ecole Centrale Paris, France</i> • A Quay Crane System That Self-Recovers From Random Shocks Yun Fong Lim <i>Singapore Management University, Singapore</i> • Solving Berth and Quay Crane Integrated Assignment Problem by a Discrete Differential Evolution Algorithm Yun Dong¹, Lixin Tang¹ ¹<i>Northeastern University, China</i> 	<ul style="list-style-type: none"> • A Constraint Programming Approach for Solving Reclaimer Scheduling Problem in Bulk Terminals C. Ozgur Unsal¹, Ceyda Oguz¹ ¹<i>Koc University, Turkey</i> • Adapting Actrss Rule to Yard Crane Dispatching To Minimize Job Tardiness in Container Terminals Shell Ying Huang¹, Ya Li¹ ¹<i>Nanyang Technological University, Singapore</i> • Pricing Storage and Planning Re-Marshaling Operations for Outbound Containers Considering Space Utilization Younju Woo¹, Kaphwan Kim¹ ¹<i>Pusan National University, Korea</i> • Deriving Situation-Adaptive Strategy for Stacking Containers In An Automated Container Terminal Taekwang Kim¹, Jeongmin Kim¹, Kwang Ryuel Ryu¹ ¹<i>Pusan National University, Korea</i> 	<ul style="list-style-type: none"> • Publishing bunker fuel consumption with differential privacy guarantees Kaifeng Jiang¹, Dongxu Shao¹, Thomas Kister¹, Kian-Lee Tan¹, Stéphane Bressan¹, Weidong Chen¹ ¹<i>National University of Singapore, Singapore</i> • (s, S) Policy Model for Liner Shipping Refueling and Sailing Speed Optimization Problem Xiaoming Sheng¹, Loo Hay Lee¹, Ek Peng Chew¹ ¹<i>National University of Singapore, Singapore</i> • Joint Planning of Fleet Deployment, Speed Optimization and Cargo Allocation for Liner Shipping Kevin Li¹, Hong Ma², Jun Xia³, Zhou Xu³ ¹<i>Chung-Ang University, Korea</i> ²<i>Zhejiang University, China</i> ³<i>The Hong Kong Polytechnic University, Hong Kong</i> • Missing In Action? Speed Optimization and Slow Steaming in Maritime Shipping Lisa Maria Aßmann¹, Gunnar S. Eskeland¹, Jonas Andersson¹ ¹<i>Norwegian School of Economics, Norway</i>

SESSION SCHEDULES (Saturday, 14th SEP)

<p>(Technical Session) Section 4, Session 1 Time: 1035 – 1205 Room: Jupiter I (Level 3) Session Chairs: Yanhua Xu</p>	<p>(Technical Session) Section 4, Session 2 Time: 1035 – 1205 Room: Jupiter II (Level 3) Session Chairs: Xinjia Jiang</p>	<p>(Technical Session) Section 4, Session 3 Time: 1035 – 1205 Room: Jupiter III (Level 3) Session Chairs: IlKyeong Moon</p>	<p>(Technical Session) Section 4, Session 4 Time: 1035 – 1205 Room: Venus II & III (Level 3) Session Chairs: Gang Chen</p>
<ul style="list-style-type: none"> • Yard Crane Routing Henrik Heitmann <i>Universität Hamburg, Germany</i> • Vehicle Dispatching For a New Automated Container Terminal System Yanhua Xu¹, Ek Peng Chew¹, Loo Hay Lee¹ ¹<i>National University of Singapore, Singapore</i> • Negotiation Truck Arrival Times Among Trucking Companies and a Container Terminal Mai-Ha Phan¹, Kap Hwan Kim¹ ¹<i>Pusan National University, Korea</i> • Optimizing Stack Layouts In Container Terminals Using Stochastic Models Debjit Roy¹, René De Koster² ¹<i>Indian Institute of Management Ahmedabad, India</i> ²<i>Erasmus University, Netherlands</i> 	<ul style="list-style-type: none"> • Sectioning Strategy for a New Automated Container Terminal System Xinjia Jiang¹, Loo Hay Lee¹, Ek Peng Chew¹ ¹<i>National University of Singapore, Singapore</i> • Robust Storage Space Allocation in Container Transshipment Terminals Jian Gang Jin¹, Loon Ching Tang¹, Der-Hong Lee¹ ¹<i>National University of Singapore, Singapore</i> • Yard Template Planning Under Uncertainty Lu Zhen¹, Fangjiu Fu¹ ¹<i>Shanghai University, China</i> • Semi-Definite Based Algorithm for Pre-Marshalling Problem Peixin Ge¹, Lixin Tang¹ ¹<i>Northeastern University, China</i> 	<ul style="list-style-type: none"> • Empty Container Management using both Standard and Foldable Containers and Lease Pricing Gyu M. Lee, Sungchan Kim, Ilkyeong Moon ¹<i>Pusan National University, Korea</i> • Empty Container Sharing and Cost Allocation Mechanisms • Xiaofan Lai¹, Liming Liu², Zhou Xu¹ ¹<i>The Hong Kong Polytechnic University, Hong Kong</i> ²<i>Lingnan University, Hong Kong</i> • Introduction of Vendor Managed Inventory in Tramp Shipping Marielle Christiansen¹, Magnus Stålhane¹, Henrik Andersson¹, Kjetil Fagerholt¹ ¹<i>Norwegian University of Science and Technology, Norway</i> • Multi-Modal Cross-Border Logistics in Asia Irina Dovbischuk¹, Prof. Dr. Hans-Dietrich Haasis², Prof. Dr. Fan Fan³ ¹<i>Universität Bremen, Germany</i> ²<i>Institute of Shipping Economics and Logistics (ISL), Germany</i> ³<i>Guangxi University, China</i> 	<ul style="list-style-type: none"> • Measuring Supply Chain Operational Performance and Its Impact on Financial Performance; Cross National Comparison among Japan, China and South Korea Sadami Suzuki <i>Tokyo Institute of Technology, Japan</i> • Analysis of Impact and Relevance of Transit Disturbances in an Intermodal Container Network Bart van Riessen^{1,2}, Rudy R. Negenborn², Rommert Dekker¹, and Gabriel Lodewijks² ¹<i>Erasmus University Rotterdam, Netherlands</i> ²<i>Delft University of Technology, Delft, Netherlands</i> • Wind Turbine Shipping & Logistics – A New Maritime Logistics Research Agenda Thomas Poulsen¹, Gang Chen¹, Niels Rytter¹ ¹<i>Aalborg University, Denmark</i> • A Development of the Supervisor System for Automated Lifting Vehicles at Container Terminals Woo Sun Kim¹, Yong Seok Choi² ¹<i>Korea Maritime Institute, Korea</i> ²<i>Sunchon National University, Korea</i>

SESSION SCHEDULES (Saturday, 14th SEP)

<p>(Technical Session) Section 5, Session 1 Time: 1300 – 1430 Room: Jupiter I (Level 3) Session Chairs: Byung Kwon Lee</p>	<p>(Technical Session) Section 5, Session 2 Time: 1300 – 1430 Room: Jupiter II (Level 3) Session Chairs: Shell Ying Huang</p>	<p>(Technical Session) Section 5, Session 3 Time: 1300 – 1430 Room: Jupiter III (Level 3) Session Chairs: Rommert Dekker</p>	<p>(Industrial Session) Section 5, Session 4 Time: 1300 – 1430 Room: Venus II & III (Level 3) Session Chairs: Szu Hui Ng</p>
<ul style="list-style-type: none"> • Analysis of Throughput Variability on Container Port Scalability Byung Kwon Lee¹, Loo Hay Lee¹, Ek Peng Chew¹ ¹National University of Singapore, Singapore • A Framework for Evaluating Performance Measures of Container Terminal Operations Eun-Jung Park¹, Jung-Min Son², Byung-Hyun Ha¹ ¹Pusan National University, Korea ²CyberLogitec Co., Ltd., Korea • Evaluating Port Network Performance under Disruption Risks Tianjing Liu¹, Jasmine Siu Lee Lam¹ ¹Nanyang Technological University, Singapore 	<ul style="list-style-type: none"> • Research on Integrated Berth and Quay Crane Allocation in Container Terminals Yanwei Zhang¹, Wan Zhou¹ ¹Wuhan University of Technology, China • A PSO algorithm for the berth allocation problem Jiao Zhao¹, Lixin Tang¹, Jiyin Liu² ¹Northeastern University, China ²Loughborough University, United Kingdom • A Framework for Automated Real-Time Management of Container Handling Equipment Shell Ying Huang¹, Zhun Chong Tay¹ ¹Nanyang Technological University, Singapore • Improved Models to Integrated Berth Allocation-Quay Crane Assignment Problem: A Computational Comparison and Novel Solution Approaches Cagatay Iris¹, Dario Pacino¹, Stefan Ropke¹, Allan Larsen¹ ¹Technical University of Denmark, Denmark 	<ul style="list-style-type: none"> • General Rate Increase (Gri) Events in the Liner Shipping Market – On the Route from East Asia to Europe Gang Chen¹, Niels G. M. Rytter¹, Peter Nielsen¹ ¹Aalborg University, Denmark • Designing Robust Liner Shipping Schedules: Optimizing Recovery Actions and Buer Times Judith Mulder¹, Rommert Dekker² ¹Erasmus University Rotterdam, Netherlands ²Erasmus School of Economics, Netherlands • Slot-Exchange Collaboration with Multiple Objectives in Maritime Logistics Eric Wibisono¹, Phongchai Jittamai¹ ¹Suranaree University of Technology, Thailand • The Multi-Objective Routing Optimization for Container Multi-Modal Transport With Carbon Emission Consideration under Uncertainty Bin Sun¹, Qiushuang Chen¹ ¹Nankai University, China 	<ul style="list-style-type: none"> • Technical Issues for the Substantial Operation of Train Ferry between Korea and China Jeongguk Kim¹, Jae-Yong Lim¹, Sung-il Seo¹, Soon Man Hong¹ ¹Korea Railroad Research Institute, Korea • Bunker management for operational efficiency Szu Hui Ng National University of Singapore • R&D Agenda for Advanced Logistics in Korea Yong-Jang Kwon¹, Keun-Yul Yang¹, Young-Joo Kim¹ ¹Korea Railroad Research Institute, Korea