

2025 8th International Conference on Transportation Information and Safety (ICTIS 2025)

**Granada, Spain
16-19 July 2025**

Pages 1-694



**IEEE Catalog Number: CFP25ING-POD
ISBN: 979-8-3315-9249-3**

**Copyright © 2025 by the Institute of Electrical and Electronics Engineers, Inc.
All Rights Reserved**

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number:	CFP25ING-POD
ISBN (Print-On-Demand):	979-8-3315-9249-3
ISBN (Online):	979-8-3315-9248-6
ISSN:	2832-8981

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: (845) 758-0400
Fax: (845) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

CURRAN ASSOCIATES INC.
proceedings
.com

TABLE of CONTENTS

(1) Cyber-Physical System Technology for Optimizing Port Berth Scheduling: Modeling and Methodology <i>Man Zhu, Xinyi Zheng, Jining Cao, Yihao Liu, Liang Huang...</i>	1
(3) Efficiently solving the bi-objective traveling thief problem using imperialist competitive algorithm: case of small instances <i>Peyman Rabiei, Seyed-Hadi Mirghaderi, Daniel Arias Aranda...</i>	8
(4) Active Warning System for Bridge Collision Prevention: Design and Application <i>Jia Li, Xiaohui Yang, Jing Xu, Jiafen Lan, Yan Zhou, Xiumin Chu...</i>	18
(6) Research on Integrated Scheduling Optimization of U-shaped Automated Container Terminal <i>Meng Yu, Yuchen Wu, Yuting Wang, Shijie Li...</i>	27
(7) A Laser-Based Autonomous Navigation Method for Propelled Modular Transporters in Mixed Indoor Outdoor Environments <i>Jianxin Liu, Qiang Wang...</i>	34
(8) An improved fast and accurate 3D object detection method based on image in road traffic application scenarios <i>Qiming Li, Yonghui Yan, Xinjie Kang...</i>	40
(9) Research Status of Ship Bottom Drag Reducing Structure and Simulation Analysis based on CFD Method <i>Kaikai Li, Qunpeng Wang...</i>	46
(10) Experimental Study on Optimization and Characteristics of Onboard Carbon Capture System <i>Zhonghao Wang, Mingjian Lu, Xiping Yan, Jiahao Wang, Jinfeng Hao, Lin Cao, Xiaodong Li...</i>	52
(11) Modeling and Simulation Based Optimization of Carbon Capture Process on Ships <i>Jiahao Wang, Mingjian Lu, Xiping Yan, Zhonghao Wang, Jinfeng Hao, Lin Cao, Xiaodong Li...</i>	59
(12) Enhancing the Resilience of Emergency Food Supply Chains: Dehydration Solutions and the Role of Drones in Humanitarian Logistics <i>Ana I. García López, Pedro A. García López...</i>	65
(13) Identification-based ship motion control for path following and collision avoidance <i>Zilu Ouyang, Lu Zou, Guang Chen, Shengjie Dong, Donghao Liu, Jialun Liu...</i>	72
(15) Adaptive Altitude Control for Underwater Vehicles Based on Deep Reinforcement Learning <i>Zhisen Wang, Dongdong Hou, Bingju Lu, Guanghua Li, Xiangdong, Zhang, Zihao Liu...</i>	79
(16) Dynamic Simulation of Inland Vessel Traffic Flow Based on AnyLogic <i>Xiao Chu, Zhongjian Jiang, Cheng Zhong, Fengfan Zheng, Jie Tan...</i>	85
(17) Traffic safety analysis of low-speed four-wheeled electric vehicle at unsignalized intersections <i>Mengyuan Zhang, Cunbao Zhang, Dingjun Fu, Tianhao Gao, Tao Li...</i>	92
(18) Construction of a Knowledge Graph for Marine Diesel Engine Fault Diagnosis Enhanced by Large Language Models	

<i>Lanfang Chu, Mingjian Lu, Min Tang, Yongli Luan, Xinping Yan...</i>	102
(20) Development status <i>and</i> energy-saving design of inland aids to navigation technology	
<i>Lingfang Li, Yun Shen, Zhonglian Jiang, Di Yang, Weiju Fu, Yihan Jiang...</i>	108
(22) Vehicle Trajectory Extraction from UAV-Captured Traffic Surveillance Video	
<i>Fei Ma, Xu Wang, Lei Niu, Yunpeng Guo, Zihan Wang...</i>	113
(24) Global path planning for autonomous underwater vehicles based on generative adversarial imitation learning and deep reinforcement learning	
<i>Chen Huang, Deshan Chen, Hao Feng...</i>	120
(25) Visualization analysis of inland waterway transport based on VOSViewer	
<i>Honglin Feng, Ruihong Ni, Zhonglian Jiang, Yuanyi He, Zhen Yu, Xinliang Zhang...</i>	126
(26) A Dynamic Graph-based Clustering Algorithm for Extracting Multi-Vessel Encounters	
<i>Yuerong Yu, Kezhong Liu, Zhitao Yuan, Xiaolie Wu, Jingyao Wang, Yanting Tong...</i>	133
(27) A Dynamic Vessel Cluster Identification Method for Cooperative Collision Risk Control	
<i>Yanting Tong, Kezhong Liu, Zhitao Yuan, Xiaolie Wu, Yuerong Yu...</i>	140
(28) Motion Modeling and Course-Keeping Control for Dual-Podded-Propulsion Ship	
<i>Bing Han, Yunhe Lin, Yuhang Chen, Jiaxue Xu, Linfeng Li...</i>	150
(29) Integrated operation scheduling of direct-handling bulk ports based on constraint programming	
<i>Xuan Lu, Yu Zhang, Dengfeng Li, Chuanjie Zhang...</i>	159
(30) Oceangoing Ship Recognition Under Severe Weather in SAR Images Using Transfer Learning	
<i>Di Zhang, Zidong Xu, Liang Fan...</i>	167
(32) A Novel Cluster-based MIMO Channel Model for UAV-to-Ship Communications	
<i>Wei Chen, Diana K Semaya, Changzhen Li, Jing Qu, Wenhao Zhong, Luyao Du...</i>	175
(33) LiCOS: Towards Advanced Onboard Maritime Sensing with LiDAR-Camera Fusion	
<i>Zexi Chen, Bing Han...</i>	2078
(34) Robust Long-Range Air Draft Estimation in Bridge Areas Using Monocular Images	
<i>Kezhong Liu, Yiwen Zhou, Mozi Chen, Xuming Zeng, Mengda Chen, Xuedou Xiao, Shengkai Zhang</i>	182
(35) Micro-expression Recognition in Ship Crew Emotion Monitoring Using a Hybrid CapsuleNet-MobileNetV3 Approach	
<i>Wangxia Tian, Deshan Chen, Long Jiang, Zhe Mao, Jin Chen...</i>	188
(36) An Aerial-ground Cooperative Positioning Method for Intelligent and Connected Vehicles under GNSS-denied Environments	
<i>Luyao Du, Aike Liu, Bingming Tong, Xingzhao Yan, Wei Chen, Shimin Cai ...</i>	196
(37) Human-Machine Shared Control Based on Spatiotemporal Risk Fields	
<i>Shixu Xia, Zichao Wang, Zhishuai Yin, Jiancheng Duan, Zhifeng Zhang...</i>	201
(38) Enhancing Ship Fuel Consumption Prediction: A Comprehensive Machine Learning Framework with Feature Selection and Explainability Technique	
<i>Wenjie Cao, Xinjian Wang, Yuhao Cao, Zaili Yang, Jin Wang ...</i>	208

(40) Recommendations for driving behaviour considering fuel economy based on deep reinforcement learning <i>Shuai Wang, Shuyan Chen, Yongfeng Ma, Rui Ding...</i>	217
(41) An Advanced Hybrid Framework for Predicting Drivers' Perception and Response Times in Car-Following Risks in Connected Environments <i>Ding Rui, Zhu Yi, Ma Yongfeng, Chen Shuyan, Wang Shuai...</i>	228
(42) Numerical Simulation of Hydrogen Leakage Acoustic Waves from Fuel Cell Ships <i>Zhengkai Rao, Yupeng Yuan, Liang Tong, Xiaofang Zhu...</i>	240
(44) Numerical Modeling and Hydrodynamic Characteristics Analysis of a Contra-rotating Rim-driven Thruster <i>Vanierschot Maarten, Bao Liu, Xinping Yan, Wu Ouyang, Qipeng Huang, Cong Zhang ...</i>	245
(45) MPC Strategy for Hybrid Ships Based on a Markov Model <i>Ting Liu, Yupeng Yuan, Liang Tong, Xiaofang Zhu...</i>	251
(46) Digital Watermarking for Secure Federated Learning in the Internet of Vehicles <i>Bo Hang, Qipeng Deng, Quan Wen ...</i>	257
(49) An Abnormal Behaviour Detection Method Based on Trajectory Clustering for Inland Vessels <i>Xinliang Zhang, Zhonglian Jiang, Fengfan Zheng, Cheng Zhong, Yuanyi He, Jia Li...</i>	263
(50) Review of Techniques and Challenges of Digital Twin Applications in Autonomous Waterborne Transportation <i>Wu Bing, Wentao Feng, Tengfei Wang, Tingting Cheng, Jinhui Jiang...</i>	269
(51) CB-YOLOv5: An Inland Waterway Vessel Detection Method Using CBAM Attention Mechanisms <i>Xiehang Fan, Tao Lei...</i>	277
(54) Double PID Control Strategy for Marine PEMFC-MH Thermal Management System <i>Gaoqiang Zeng, Lei Shang, Liang Tong ...</i>	284
(56) Research on the Influence of Surface Roughness on the Performance of a Rim-driven Thruster <i>Zhuo Zhang, Zichen Song, Wu Ouyang, Bao Liu, Vanierschot Maarten, Jinhua Xiao...</i>	290
(57) Investigating Motor Vehicle Drivers' Willingness to Yield to Pedestrians in Primary School Zones <i>Li Yuan, Xiaowe Liu, Tao Tao ...</i>	297
(58) Research on Drivers' Irregular Traffic Decision Model at Unsignalized Mid-Block Crosswalks <i>Li Yuan, Canzhi Wang...</i>	305
(61) High-Toughness Double-Network PAM/PSBMA Hydrogels for Ship Antifouling and Drag-Reduction <i>Haihuan Sun, Xiuqin Bai, Xiaoyan He ...</i>	311
(62) Research on Safety Risk Assessment of Inland Water Transportation Based on ACO-BP Algorithm <i>Jingcun Tang, Min Tu...</i>	315
(63) Emotion Recognition of Ship Crew Based on FasterNet-EMA Network <i>Long Jiang, Deshan Chen, Wangxia Tian, Zhe Mao, Yunyun Liu...</i>	323

(64) Large Language Model Technologies in Transportation: A Systematic Literature Review and Bibliometric Analysis	
<i>Yongzhi Liu, Da Wu, Feng Ma, Wengang Mao</i>	330
(65) Research on Optimization of Container Intermodal Transportation Network in Port Hinterland with Environmental Consideration	
<i>Guoqing Hu, Min Tu</i>	337
(66) The Probabilistic Diffusion Model for Drifting Buoy Trajectory Prediction	
<i>Xinzhe Liu, Da Wu, Di Zhang, Jianan Liu</i>	346
(68) Modeling Typhoon Impact on Shipping Network Resilience: A Study of Typhoon Gaemi	
<i>Shuyi Yu, Min Tu</i>	353
(69) Enhanced Underwater 3D Reconstruction Using 3D Gaussian-Splatting: A Comparative Study with Neural Radiance Fields	
<i>Xingyao Zhao, Deshan Chen, Jiangbo Liu, Houxing Dai</i>	360
(70) A Model for Shipwreck Point Cloud Completion and Reconstruction Based on AdaPoinTr and Surface Constrained Upsampling	
<i>Jiangbo Liu, Deshan Chen, Xingyao Zhao, Wenliang Yu, Houxing Dai</i>	367
(71) Effects of Nano-ZnO and Nano-SiO ₂ Reinforcement on the Tribology Properties of UHMWPE	
<i>Binbin Li, Xincong Zhou, Jian Huang, Qipeng Huang, Xueshen Liu, Xu Guo, Hui Tao</i>	373
(72) Research on the Impact of Rotor Eccentricity of Pod Propulsion Motors on Air Gap Magnetic Flux Density and Shaft Trajectory	
<i>Haolin Liang, Muyu Han, Xingxin Liang, Xiaowei Dong, Changqing Yan</i>	379
(73) A Deep Reinforcement Learning-Based Model for Vessel-Following in Inland Waterways	
<i>Xihao Geng, Lei Xie, Zhe Mao, Lijia Niu, Ziyu Dai</i>	388
(74) PAGAN: A Parrel Attention Generative Adversarial Network for Underwater Sonar Image Super-Resolution	
<i>Tianyu Xiao, Deshan Chen, Bing Wu, Yang Wang, Dongrong Zhou</i>	396
(75) A Model Study of Configurable Implementation Methods for Management Software in the Marine Industry	
<i>Xingshan Chang, Wenjing Hu, Jie Liu</i>	402
(77) Integration Adaptive Unscented Kalman Filter and Nonlinear Model Predictive Control for Towing System Under Environmental Disturbances	
<i>Zihao Lin, Bing Wu, Li Tang, Haitong Xu, Zhongdai Wu, Tengfei Wang</i>	413
(78) A LoRa-Based Method for Detecting Abnormal Gait Patterns in Workers Operating in Confined Ship Compartments	
<i>Cheng Liu, Mozi Chen, Kezhong Liu, Haoran Zhang, Shengkai Zhang, Mengda Chen, Chengjian Xu</i>	420
(79) Research on Berth-Crane Optimization for Ports with Unidirectional Channels	
<i>Shiyu Zhang, Ling Liu, Yueqin Zhu</i>	427
(80) Key Hazard Identification Analysis of Water Transportation Accidents Based on Bayesian Networks	
<i>Xiaotong Wang, Min Tu</i>	435

(81) Research on Intelligent Detection Technology for Key Events in Waterway Maintenance Based on Deep Learning	
<i>Nan Hai, Mao Zheng, Bowen Lin, Yougui Zhou, Yan Zhou...</i>	444
(83) Feeder Vessel Route Optimization under Uncertainty of Service Time in Port Based on Digital Twin Technology	
<i>Kaiyue Zhang, Jingxian Liu, Zhao Liu, Fucui Song, Xiuju Fu...</i>	453
(84) A Method for Forecasting Sea Ice Concentration for Arctic Shipping Utilizing eXtreme Gradient Boosting and Gaussian Process Regression	
<i>Ranzhe Chen, Da Wu, Xinyuan Li, Huabing Yin...</i>	460
(85) Forming Mechanism of Unsafe Acts of Ship Officers Driven by Accident Data	
<i>Yongtao Xi, Ziyu Huang, Shenping Hu, Bing Han</i>	466
(87) Research on the Optimization of Ship Berthing Trajectory Under the Coupling Action of Wind and Current	
<i>Ronghui Zhong, Da Wu, Jinfen Zhang, Feng Ma, Zhepeng Han</i>	476
(88) A Path-planning Method for the Inland Heterogeneous Ship Formation Reconfiguration	
<i>Zhiqi Wu, Da Wu, Jinfen Zhang, Feng Ma, Zhepeng Han...</i>	483
(90) A Data-Driven Method for Predicting Ship Carbon Intensity Index (CII) Based on ANN Network	
<i>Feiyang Ren, Min Chen, Yu Bu, Yang Qiu, Shaohan Wang...</i>	489
(91) Life Cycle Assessment and Cost of Alternative Marine Fuels for Low-Carbon Shipping Transition	
<i>Zhengxin He, Jasmine Siu Lee Lam...</i>	497
(92) Analysis of Safety Performance Evaluation Indicators for Ferry Crew Based on Improved DEMATEL and Complex Network Theory	
<i>Ziyi Cao, Shaoyong Xuan, Yongtao Xi, Xinxin Zhang, Bing Han...</i>	503
(94) Coupled Analysis of Risk Factors for Ship Collision Accidents Based on the N-K Model	
<i>Jiaxu Wu, Ling Liu, Shiqi Huang, Xinyi Zou, Shiyu Zhang...</i>	511
(98) Intelligent Control System for Highway Operation Safety Based on Dual Prevention Mechanism	
<i>Bencheng Zhu, Dianliang Xiao, Ran Li, Zhonglin Wang, Kailun Li...</i>	516
(99) Optimization Model for Location Selection of Emergency Guard Points in Highway Tunnels Based on Accident Analysis	
<i>Bencheng Zhu, Dianliang Xiao, Ran Li, Kailun Li, Haoran Song...</i>	523
(100) Fire Detection in Marine Cargo Holds for New Energy Vehicles Based on Improved YOLOv8	
<i>Ziyu Dai, Lei Xie, Xihao Geng, Lijia Niu, Zhe Mao...</i>	530
(101) Integration of ICEEMDAN-Wavelet Thresholding Joint Denoising with GWO-LSTM for Detection	
<i>Lijia Niu, Lei Xie, ZiYu Dai, Xihao Geng, Zhe Mao...</i>	536
(104) Structural Performance Monitoring of Three Gorges Ship Lift Chamber Driven by Digital Twin	
<i>Shaopeng Xing, Xincong Zhou, Qipeng Huang, Lun Wang, Zhenjiang Zhou, Xueshen Liu...</i>	543

(105) Path Tracking Control of Autonomous Underwater Vehicle Based on Deep Reinforcement Learning and Sonar Image Processing Technology	
<i>Bingqian Du, Deshan Chen, Chen Huang, Yang Wang, Yu Liu</i>	548
(110) Risk-Aware Car-Following Behavior Characterization in Foggy Weather on Urban Expressways Using Naturalistic Driving Data	
<i>Yanyi Chen, Yuejun Guo, Naikan Ding, Hui Zhang, Kai Tian, Yanjie He</i>	555
(111) Collision Risk Model in the Arrival Procedures	
<i>Taobo Wang, Haoxing Xu, Mo Zhao</i>	561
(113) Analysis of the Impact of Wind Farms on the Detection Performance of Marine Radar: A Case Study of the Taizhou No.1 Offshore Wind Farm	
<i>Yanyan Fang, Kai Zheng, Yuejin Li, Junmin Mou, Pengfei Chen, Linying Chen</i>	567
(114) Exploring the Applications of Big Data in Transportation Safety Research: A Systematic Review	
<i>He, Yanjie, Tian, Kai, Wan, Xiang, Wu, Huiyu, Ding, Naikan, Zhang, Hui</i>	573
(116) Establishment and Risk Analysis of Compensation Mechanism Model for Distracted Driving in Car-following Scenarios	
<i>Jingshu Zhang, Li Tang, Hanbiao Xiao, Jing Zhao, Xingjuan Wang</i>	580
(117) Quintic Polynomial Path Planning Integrating Fuzzy Logic for Intelligent Mine Trucks in Unmapped Underground Mines	
<i>Jinpei Feng, Yao Leng, Zhijun Chen, Chuang Qian, Shengguang Xiong</i>	587
(118) Study on Individual Stress Behavior Experiment in Highway Tunnel Fires	
<i>Jiahui Gong, Bing Liu</i>	593
(119) Study on Evacuation Time of Road Tunnel Fire Considering Evacuation Uncertainty	
<i>Longhao Deng, Tengfei Zhang, Bing Liu</i>	599
(120) Research on Interactive Individualized Evacuation Guidance in Extra-long Tunnel Fire Scenarios	
<i>Zhicheng Li, Bing Liu, Binghan Li</i>	2084
(122) Vehicle State Estimation Based on Sparse Identification of Nonlinear Dynamics and Extended Kalman Filter	
<i>Xin Lin, Yan Tao and Jianhua Yin</i>	2090
(123) Ship Encountering Scenario Extraction and Characterization for Supporting Autonomous Navigation Test	
<i>Xuri Xin, Zaili Yang</i>	605
(124) Integrated Solution for Rapid Monitoring of Physiological Conditions of Drivers in "Coach and Hazardous Material Transport Vehicles" Before Departure	
<i>Siyang Mao, Yi He, Chengjin Feng, Xiao Zhou, Changxin Sun, Yuxuan Wang</i>	613
(126) Perceptions of Flight Crew Resilience Among Commercial Pilots: Evaluation of Pilots' Acceptance of CBTA Across China, the United States, Europe, and the Asia Pacific	
<i>Yingqun Pang, James Blundell</i>	621
(132) The Tripartite Game of Traffic Supervision of Takeaway Riders Considering the Cost Sharing of Penalty for Violation	
<i>Yun Lan, Hongmei Zhou, Jiarun Peng, Mengzhu Zhang, Runhui Zhu, Wenlong Xie</i>	630

(133) The Impact of Weather Factors on Low-altitude Logistics Distribution Path Planning Decisions	
<i>Mengzhu Zhang, HongMei Zhou, Yun Lan, Runhui Zhu, Wenlong Xie, Yue Li</i>	638
(137) Improved PointPillars for 3D Object Detection Based on Multidimensional Feature Fusion	
<i>Jianghui Xu, Zhijun Chen, Shengguang Xiong, Kai Wu, Chuang Qian</i>	645
(138) Design of Road Surface Protection System for Milling-Type De-icing Device Based on Fuzzy PID Control	
<i>Qiuyang Feng, Guoxian Wang, Chundong Zhu, Yongfeng Xu</i>	651
(139) Optimization Research on Diameter and Speed Matching for a Rim-Driven Thruster	
<i>Zichen Song, Zhuo Zhang, Wu Ouyang, Zijun Long, Bao Liu, Xiaowei Dong, Maarten Vanierschot</i>	657
(140) A Ship Path Planning Method Considering Water Depth Based on Improved Dijkstra Algorithm	
<i>Jia Li, Bowen Lin, Yougui Yang, Riliang Chen, Yuanxing Su, Xiumin Chu</i>	663
(141) Multi-modal Human-machine Interaction Evaluation of Intelligent Cockpit Based on Ergonomics	
<i>Quan Yuan, Feixiang Tian, Hongzhuan Zhao, Qingchao Liu, Yijie Tang, Zhongqing Lu, Bingxin Chen, Tao Wang</i>	668
(142) Graph-Based Multi-Target Association for AIS and Video Data in Complex Waterways	
<i>Yuxu Lu, Jinxian Weng, Dong Yang, Congcong Zhao</i>	674
(144) Intelligent Transportation Management Optimization System for Rail Transit Operation	
<i>Yuanjing Chen, Chuncha Wang</i>	680
(146) Research on the Influencing Factors of Individual Stress Behavior in Tunnel Fires Based on Structural Equation Modeling	
<i>Wei Chen, Bing Liu</i>	687
(149) Traffic Evacuation Induction Methods for Large-Scale Events Considering Group Decision Bias	
<i>Wenlong Xie, Hongmei Zhou, Xueli Liu, Mengzhu Zhang, Runhui Zhu, Yun Lan</i>	695
(150) Cognitive Load and Task Complexity: Effects on Crew Performance in Remote Ship Control	
<i>Wenchen Lyu, Zhe Mao, Zhihong Li, Chengpeng Wan</i>	701
(152) Lane detection and recognition based on OpenCV	
<i>Wenjian Jiao, Kerong Hu, Xiaowen Xu, Pingxiong Ye, Xu Wang, Jiamei Liao, Jian Huang</i>	708
(155) Research on the Safety Impact Assessment Index System of Water Traffic Safety Risk Factors	
<i>Xuanya Wang, Rui Zhang, Yali Li, Xiran Zhang</i>	713
(157) Displacement Feedback Control for Transverse-torsional Coupling Vibration of the Propulsion Shaft System under Friction Excitation	
<i>Zhihao Xie, Qianwen Huang, Kaiyan Gao</i>	718
(158) Assessing the Maritime Traffic Flow Complexity based on Dynamic Density	

<i>Chengpeng Wan, Yamin Huang, Haobin Li, Haojie Ge, Zhao Liu, Xinyuan Li, Yi Han...</i>	724
(161) Rule-based Energy Management Strategy Testing and Verification on a Multi-energy Ship Test Platform	
<i>Hanyou Liu, Taotao Li, Ailong Fan, Yuanbo Yu, Hao Qiu...</i>	733
(162) Deep-Learning-Based Differential GNSS Scene Recognition Algorithm and Error Distribution Model with Multi-Scene Constraints	
<i>Weiqi Hou, Zhiwei Yang, Chuang Qian, Jinsong Wang, Zhuojun Jiang, Zhijun Chen...</i>	740
(164) A Review of Autonomous Vehicle Safety in Mixed Traffic Environments Based on Bibliometric Analysis	
<i>Yijun Zhang, Jinsong Yang, Ninghao Hou, Pengcheng Luo, Kai Tian, Naikan Ding, Hui Zhang, Hua Gao...</i>	748
(165) Noise and Vibration Control Strategy of Permanent Magnet Synchronous Motor for Electric Vehicles	
<i>Shre Narayan Yadav, Zhien Liu, Fang Li, Muhammad Usman Shoukat...</i>	755
(166) A Multi-Objective Framework for Green Energy Selection and Navigation in Maritime Transportation	
<i>Congcong Zhao, Zhengxin He, Ziyu Cui, Jie Man, Tsz Leung Yip, Yuxu Lu...</i>	764
(168) Research on Optimization of Traffic Cone Object Detection Algorithm Based on YOLOv5	
<i>Jiamei Liao, Tian Gao, Hu Wang, Jinxiang Gu, Wenjian Jiao, Jian Huang, Xu Wan, Kerong Hu...</i>	772
(169) Toward Imaging Enhancement of Unmanned Mine Truck via Edge-guided CycleGAN	
<i>Jingming Zhang, Wenyu Xu, Zhijun Chen...</i>	778
(171) Research on the Continuous Monitoring System for Ship Carbon Emission	
<i>Bin Li, Ailong Fan, Haoyu Ye, Mingrui Wang...</i>	784
(172) Study on Physiological Changes of Remote Operators' Fatigue in Intelligent Vessels Under Single-Operator Multi-Ship Mode	
<i>Haichao Yang, Zhe Mao, Zhihong Li, Wenchen Lyu...</i>	792
(173) The Identification and Evaluation Methods for Driver Driving Behavior	
<i>Xu Wang, Sihan Sun, Jiamei Liao, Wenjian Jiao, Shuailong Guan, Ningning Fang, Jian Huang...</i>	797
(175) Comparative Study on Carbon Emission Monitoring Techniques for Ships	
<i>Huichao Jia, Shasha Li...</i>	804
(176) Finite Element Analysis of Structural Safety for B-Class Ice-Strengthened Vessels Under B3 Ice Conditions in Northern Chinese Waters	
<i>Chao Liu, Chenggang Tang, Jingxian Liu...</i>	810
(177) 11Stability Analysis of Platoon Based on Car-Following Model Considering Driving Errors	
<i>Yunxiang Han, Lei Feng, Zhijun Chen, Shengguang Xiong, Chuang Qian...</i>	818
(179) Study on the Influence of Assembly Clearance of Water-Lubricated Stern Bearing Bushings on Dynamic Characteristics	
<i>Xu Guo, Xincong Zhou, Jian Huang, Yong Jin, Jun Yang, Binbin Li, Huazheng Wang, Hui Tao...</i>	825

(180) Research on Trajectory Tracking Control of Multi-Axle Semi-Trailer Vehicle Trains Based on MPC <i>Yang Gao, Fanwei Wang, Guoxian Wang, Chundong Zhu...</i>	832
(181) Research on Highway Tunnel Fire Evacuation Model Incorporating Individual Autonomous Decision-Making <i>Lili Tao, Tengfei Zhang, Bing Liu...</i>	838
(185) Impact of Line Pre-tension on the Mooring Safety of Large Vessel <i>Chenggang Tang, Hanhua Zhu, Chao Liu, Jingxian Liu...</i>	845
(186) Cause Analysis of Road transport Major Accidents Based on “two – four model” <i>Jian Tian, Zhiqiang Li...</i>	854
(187) Study on the Temporal Patterns of Fatigue Among Remote Operators in a Single-Operator Multi-Driving Environment for Intelligent Vessels <i>Jinrui Cai, Zhe Mao, Zhihong Li, Jialu Zhou...</i>	859
(196) Research on the Multi-Effect Coupling Mechanism and Decoupling Mechanism of Energy Consumption in Ship Operation <i>Hui Shi, Chengqing Yuan, Yan Zhang...</i>	866
(197) Simulation Study on Vibration Characteristics of Water Lubricated Stern Bearing Considering Creep <i>Xincong Zhou, Qing Xiao, Jian Huang, Xu Guo, Ruipu Wang, Haiyang He...</i>	873
(199) Navigating the Storm: Burnout and Mental Health Challenges Among Seafarer <i>Alejandra Trillo Peña, Francisco José Díaz Bretones...</i>	880
(200) The Influence of Different Shaft Materials on the Reliability of Marine Propulsion Shafting <i>Hanyu Chen, Huazheng Wang, Jian Huang, Runlin Zhang...</i>	884
(201) Development and Evaluation of an ACT-R Cognitive Model for Highway Driving <i>Hao Chen, Jin Shu, Lian Xie...</i>	893
(202) Tribological Characteristics of Composite Thrust Bearings in Silt-Laden Environments <i>Zijing Zhang, Jian Huang, Dongling Xu, Zhiqiang Yu, Ziyang Yan, Xincong Zhou, Ruichen Liu...</i>	901
(203) Research on the Deformation Mechanism of the Ship Compartment in the Three Gorges Ship Lift <i>Xincong Zhou, Zheng Liu, Jian Huang, Shaopeng Xing, Binbin Li, Hui Tao...</i>	909
(204) Analysis of Different Fault on Characteristics of Port Photovoltaic Topology <i>Tong Deng, Chengqing Yuan, Yan Zhang, Hailong Zhang, Hui Zeng...</i>	917
(205) Research on Structural Optimization Design of Rigid - Flexible Water - Lubricated Distributed Sandwich Bearings <i>Aihua Liu, Yifan Zhang, Yong Jin, Qilin Liu, Lihao Zhang...</i>	925
(206) Tribological Effect of Creep and Eccentric Load on the Water-Lubricated Stern Bearings <i>Xincong Zhou, Hui Tao, Jian Huang, Binbin Li, Zongqi Yin, Xu Guo...</i>	932
(207) Analysis of Braking Driving Behavior based on EEG <i>Jin Shu, Hao Chen, Lian Xie...</i>	939
(208) Impact of Cascading Failures on Shipping Network Resilience	

<i>Yuhao Cao, Xuri Xin, Huanhuan Li, Xinjian Wang, Jin Wang, Zaili Yang</i>	947
(209) Analysis of the Influence of Water Pollution of Lubricating Oil System on the Performance of PEEK Thrust Bearing in Marine Traffic Accidents	
<i>Ziyang Yan, Xincong Zhou, Yong Jin, Wu Ouyang, Bin Luo, Wei Liu, Jian Huang, Bin Wang, Lei Wang</i>	953
(210) Rail Transit Data Architecture-A Case Study of Bangkok Rail Transit System	
<i>Lalitphan Samitiwantikul, Waersara Weerawat, Andreas Norrman</i>	960
(211) The influence of sediment impact on the reliability of water-lubricated thrust bearing in inclined shaft diameter state	
<i>Ruichen Liu, Wu Ouyang, Hanhua Zhu, Chenxing Sheng, Ziyang Yan, Yong Jin, Fangxu Sun, Jian Huang</i>	967
(212) Efficiency Evaluation of multi-modal Transport Considering Undesirable Outputs Based on the SBM Model	
<i>Yize Li, Jiaqi Yang, Yanyi Chen, Jiarun Peng</i>	973
(213) Numerical Simulation Analysis of Pressure Resistance Performance of Ship Stern Shaft Seal Based on Magnetic Fluid	
<i>Zheheng Ouyang, Runlin Zhang, Gao Wan, Jun Dai, Wu Ouyang, Qiaofeng Xie</i>	981
(218) A Double-layer Planning Model for AC/DC Hybrid Distribution Network Architecture and Wind Turbines Considering Economics and Carbon Emissions in Port	
<i>Xinhao Bian, Yupeng Yuan, Liang Tong, Daogui Tang, Chengqing Yuan</i>	988
(219) Exploring Causal Factor in Highway- Railroad Grade Crossing Accidents: A Comparative Analysis	
<i>Yubo Wang, Yubo Jiao, Liping Fu, Qiangqiang Shangguan</i>	996
(220) Distributed Acoustic Sensing: an urban traffic monitoring technology for intelligent traffic control in disaster management	
<i>Izhan Fakhruzi, Javier Cruz-Miranda, Luz Garcia</i>	1006
(224) Research on Accident Scenarios of Assisted Driving Vehicles Based on Deep Subspace Clustering	
<i>Huiying Xu, Weibin Qu</i>	1010
(225) Integrated PID-MPC Path Tracking Control for Intelligent Vehicles under Dynamic Constraints	
<i>Hao Wu, Changyin Wei, Yun Wang, Yicheng Wang</i>	1016
(227) Research on Anonymization Testing of Face License Plates for Off Vehicle Transmission Based on YOLOv5	
<i>Xu Wang, Peng Liu, Yixuan Wang, Jiamei Liao, Yuyang Guo, Wei Wei, Yixuan Liu, Jian Huang</i>	1023
(228) Analysis of Accident Factors in Assisted Driving Vehicles using a Bayesian Random Effects Model	
<i>Weibin Qu, Huiying Xu, Xuan Li</i>	1031
(229) Data-driven methods for predicting the navigational risk in intersecting waters: An inland river case	
<i>Chengpeng Wan, Xingxing Xu, Yuchuan Wang, Liang Fan, Liang Huang, Qing Yu, Fan Zhang, Shiqi Fan, Zhe Mao</i>	1039
(234) Quantifying Autonomous Vehicles' Social Value Orientations at Uncontrolled	

Crosswalks: A Psychology Experiment-Based Study	
<i>Haoyu Ma, Han Xue, Kai Tian, Wei Cui, Hui Zhang, Naikan Ding, Chunhui Yang</i>	1047
(235) Generalizable Representation Learning for Day-Night Cross-domain Vehicle Association	
<i>Zhibiao Xue, Zhanwen Liu, Chao Yang, Xing Fan, Jin Fan, Shan Lin</i>	1054
(237) A Comprehensive Review of Transshipment in Supply Chain Management	
<i>Nannan Wang, Ming Jian</i>	1063
(239) Analysis of Fire Evolution Paths for Battery-Powered ship Based on CFD Simulation	
<i>Wenfeng Zhang, Zepeng Li, Menglei Zhang, Lei Wang</i>	1070
(242) Recognition of seafarers' driving behavior ability based on multimode physiological data	
<i>Qing Liu, Siyu Li, Yue Ma</i>	1080
(244) Research on Cooperative Control Strategy of Typical Tunnel Scenarios of Highways	
<i>Mingjie Li, Xinquan Zu, Wendie Qin, Liangjie Xu</i>	1086
(246) Study on the Suitability of Long-distance Bulk Cargo Logistics Transportation	
<i>Qi He, Qing Liu, Liu Yang, Bo Wang</i>	1093
(247) Research on Multi-Ship Collision Avoidance Game Method Based on Markov Decision Process	
<i>Ruyao Zhong, Lei Xie, Zhiqiang Chen, Yang Wang</i>	1100
(248) Multi-ship Route Exchange and Cooperative Collision Avoidance Based on MADDPG	
<i>Hongchao Liu, Bing Wu, Kai Zhang, Yang Wang</i>	1109
(249) An Association Analytical Model on Ship Deficiencies from the Complex Network Perspective: Case of Data from the Tokyo MOU	
<i>Shenping Hu, Yan Chen, Xiuting Xi, Shengjun Wang, Shaoyong Xuan, Yongtao Xi</i>	1116
(251) Comprehensive Benefit Evaluation of High Dam Turnover Logistics Mode in Bulk Cargo Mountainous Area	
<i>Bo Wang, Qing Liu, Lei Wang, Bowei Liu, Qi He</i>	1124
(253) A Driving Risk-Field Based Car-Following Model for Connected Autonomous Vehicles: Integrating Risk-end Crash Risk and Multi-Vehicles Dynamics	
<i>Hengyu Xue, Yuqi Liu, Xuan Wei, Xu Zheng, Kexin Tang, Qingfeng Lin</i>	1131
(255) Risk Assessment of Collision Between Out of Control Vessels and Offshore Platforms	
<i>Chaofeng Wang, Desheng Cao, Lingzhi Sang, Jinfen Zhang, Chengpeng Wan</i>	1138
(256) Study on risk evaluation index of runway excursion accidents for special plateau/tabletop airports	
<i>Xinge Qi, Dingyi Zhao, Nuojie Li, Xinbin Zhao, Chang Liu, Lei Wang</i>	1146
(257) Modeling Method for Dynamic Safety Domains of LNG Ships under Environmental Interference	
<i>Lijia Chen, Huixuan Guan, Yang Zhou, Bing Wu, Yang Wang</i>	1150
(258) Supply chain risk management practice in Thailand	
<i>Jirapan Liangrokaptart, Sanchai Pumpanern, Andreas Norrman</i>	1160

(260) Social Spatio-Temporal Graph Convolutional Neural Network for Pedestrian Trajectory Prediction <i>Junzhuo Hu, Yuan Xu, Yizhi Zhang, Yao Wu, Jibiao Zhou</i>	1165
(261) Challenges of Transportation and Distribution in Humanitarian Logistics: Nepal's Perspective <i>Jitendra Yadav, Thananya Wasusri</i>	1172
(262) A Digital Twin-Based Ship Reputation Value Management Scheme Over Blockchain in the Internet of Ships <i>Ting Ye, Yang Wang, Enrico Zio, Jie Man, Deshan Chen, Bing Wu</i>	1181
(266) Considering the influence of user preference on the location of charging piles <i>Runhui Zhu, Hongmei Zhou, Jiarun Peng, Mengzhu Zhang, Yun Lan, Wenlong Xie</i>	1189
(269) Data Thinning of Ship Engine Room Equipment Based on Improved Douglas-Peucker Algorithm <i>Shengli Dong, Chenji Jiang</i>	1196
(271) Vessel Flow Forecasting in Yangtze River Multi-Bridge Area Using Inferential Generative Model <i>Jie Man, Deshan Chen, Bing Wu, Tsz Leung Yip</i>	2070
(274) Research on Dynamic Multi-Stage Emergency Material Allocation with Multiple Distribution Centers <i>Yuxin Lou, Hui Hu</i>	1204
(276) Research on Risk Assessment of Lithium Battery Powered Vehicles for Marine Transportation Based on FUZZY Comprehensive Evaluation <i>Guangqiang Liu, Xuanya Wang, Yali Liu, Rui Zhang</i>	1211
(277) Pure Electric Vehicle Drive System Selection and Simulation Optimization Analysis <i>Shuanglong Wu, Liying Jin, Mingyue Lei, Chaohang Xue, Yujie Shen, Chong Tu</i>	1217
(278) Exploring the Impact of Carbon Emission and Energy Transportation Schemes: A Multi-Regional CGE Modeling Approach <i>Zongbao Wang, Ming Zhong, Xiaofeng Ma</i>	1223
(279) Modeling A Multi-Commodity, Multimodal Freight Transport Systems with Super-network Theory and Big Data <i>Guihua Deng, Ming Zhong, John Douglas Hunt, Asif Raza</i>	1231
(280) The Pavement Crack Classification Using Binary Vit and Crack Patch Distribution Coefficient with a Limited Dataset <i>Xianglong Wang, Lukang Yuan, Zhongzhen Yan, Zhiwei Ye, Zhaozheng Hu, Qinglin Cao</i>	1241
(281) Quantifying the Risks of False Reporting and Concealment of Hazardous and Noxious Substances Goods in Maritime Transport Based on Fuzzy Fault Tree Analysis <i>Rui Zhang, Xuan Chen, Hong Geng, Wei Cao, Xuanya Wang, Hongdun Li, Guangqiang Liu</i> ...	1250
(283) STA-MRAC Based Sensorless PMSM Control Algorithm for Rim-Driven Thruster <i>Zhi Yang, Xinping Yan, Ouyangi Wu, Hongfen Bai</i>	1259
(284) A Method of Flight Conflict Time Prediction and Relief Based on Multilayer Back Propagation Neural Network <i>Siyang Xu, Tingting Lu, Jingyuan Li, Guo Xu, Jiuxia Guo</i>	1270

(286) GPT4STP: A Novel Ship Trajectory Prediction Method Based on Pre-trained Large Language Model <i>Hang Jiao, Huanhuan Li, Jasmine Siu Lee Lam, Zaili Yang</i>	1278
(287) Comparative Analysis of Risk Factors Affecting Maritime Accidents Across Voyage Segments <i>Yiheng Wu, Huanhuan Li, Hang Jiao, Zaili Yang</i>	1286
(292) Urban Emergency Logistics Cross-Regional Material Coordination and Allocation under Public Health Emergencies <i>Ao Sang, Haiyan Wang, Fuyou Tan</i>	1295
(293) UAV Operational Area Partitioning Algorithm Based on the K-Means-H3 <i>Guoliang Liu, Weizheng Cheng, Zheping Pan, Jingming Zhang, Zhijun Chen</i>	1305
(296) Risk Assessment of Urban Emergency Logistics Under Sudden Public Health Emergencies <i>Wenjie Bu, Haiyan Wang</i>	1311
(298) Competition-Cooperation Relationship of Cruising Taxis, Ride-hailing Services and Autonomous Taxis: An Overview <i>Ding Wei, Jie Meng, Xiaofeng Pan, Gaofeng Gu</i>	1320
(299) Analysis of Factors Influencing the Risk of Pedestrian-Vehicle Conflict at Signalized Intersections Based on Partial Proportional Odds Model <i>Xu Yan, Peng Chen, Hanqi Zhang</i>	1328
(300) Lane-change Trajectory Decision Control Based on Fuzzy Adaptive Weights <i>Jun Yan, Zhen Huang, Haoyu Li, Zhengke Chen, Zixian Gao, Yi He</i>	1338
(303) Modeling of Urban Travel Pattern in Morning Peak Hours: A Case in Chengdu <i>Xi Wang, Zhanbo Sun, Mingming Kong, Shijia Liu, Chao Zhang</i>	1346
(305) Adaptive Collision-Free Trajectory Tracking for Unmanned Surface Vessels Using an Integrated Fast Matching Algorithm and PPO-PID Controller <i>Tuowei Chen, Langxiong Gan, Tingting Gu, Hui Li, Lei Du, Tongxuan Wang</i>	1352
(306) Exploring Route Choice Inertia in Bus Passengers: A Nonlinear Measurement Approach and Predictive Modeling with Gradient Boosting Decision Trees <i>Hongchang Liu, Xiaolu Niu, Qi Wu, Yu Li, Siliang Song, Yajuan Deng</i>	1358
(307) Electric Bus Route Deployment Based on Electrification Level <i>Xiaolu Niu, Hongchang Liu, Qi Wu, Yu Li, Siliang Song, Yu Song, Yajuan Deng</i>	1365
(308) Research on Cooperative Steering Control of Human-Machine-Integrated Intelligent Vehicle Based on TD3 <i>Jun Yan, Zhen Huang, Zhengke Chen, Xiaozhuo Yang, Haoyu Li, Xinyi Zhang</i>	1372
(309) The Impact of Dedicated Bus Lanes on Bus Operations <i>Qi Wu, Yajuan Deng, Xiaolu Niu, Yu Li, Siliang Song, Hongchang Liu, Yuefei Jin</i>	1379
(310) Study on Safety Adaptability of Mixed Heterogeneous Traffic Flow at Continuous Exits of Highways under Current Standards <i>Yixin Chen, Cong Ma, Guohua Liang</i>	1387
(311) Efficient Path Planning for Cargo Hold Clearing Robot of Bulk Carrier Based on Cargo Grid Map <i>Jie Meng, Yingzheng Shi, Zhaozheng Hu, Xiancheng Shi, Liquan Jiang, Feng Ding</i>	1395
(312) Resilience Assessment and Improvement of Highway Transportation Network in	

Border Regions	
<i>Yushan Hou, Xiaoyu Han, Wenqiang Chen</i>	1403
(313) Hierarchical Deep Tree Search for Multi-Vehicle Cooperation and Robust Control at Signal-Free Intersections	
<i>Kai Wu, Lei Feng, Zhijun Chen, Shengguang Xiong, Chuang Qian</i>	1411
(314) Research on Safety Space Characteristics of Highway Vehicles Based on LiDAR	
<i>Panpan Xue, Wenqiang Chen</i>	1418
(315) Collision Avoidance Strategy for ‘Chuang Zhi Hao’ under the International Regulations for Preventing Collisions at Sea (COLREGs)	
<i>Xiangyu Chen, Xiyang Liu, Tengfei Wang, Zhan Cheng, Jiyan Xu, Ningbo Li</i>	1425
(317) Real-time Traffic Congestion Prediction Considering Safety Factors: A Novel Online Learning Method with Attention Mechanism and Multi-LSTM-based Integrated Learning	
<i>Chuanyun Fu, Zhaoyou Lu, Jiaming Liu, Huahua Liu, Naikan Ding, Wei Bai</i>	1431
(318) Development and Verification of An Autonomous Ship Model Testing Platform	
<i>Wubin Hua, Shigan Ding, Yan Zhou, Yougui Yang, Jinfeng Wei, Xiumin Chu</i>	1437
(320) Research on the Anti-Corrosion Performance of HNS Spill Containment Materials on Water	
<i>Wei Cao, Rujun Wang, Hong Geng, Xuan Chen</i>	1443
(323) Innovation in Emergency Response: Smart Shipment Traceability with IoT and Satellites within the Framework of the PERTE Aerospace	
<i>Manuel Ríos de Haro; Valentín Molina Moreno</i>	1448
(326) A Review for Visual Place Recognition: From Hand-Crafted and Deep Learning Perspective	
<i>Xianglong Wang, Lukuan Qiu, Zhaozheng Hu, Yin Li, Ganlong Wang</i>	1454
(329) Parameter Identification of Ship Nomoto Model Based on CMA-ES	
<i>Lingyu Fu, Mao Zheng, Ankang Guo, Zhou Yan, Yougui Yang, Shigan Ding, Xiumin Chu</i>	1464
(330) Design and Application of Ship Remote Communication and Control System	
<i>Dongyang Zhang, Zhan Cheng, Xiyang Liu, Xiangyu Chen, Siyu Tang, Bingcheng Miao</i>	1471
(332) Inland River Ship Navigation Situation Monitoring System Based on Multi-Source Data Fusion	
<i>Jian Wan, Jing Wen, Yong Wu</i>	1479
(334) Water-Lubricated Magnetic-Hydraulic Bearing Structure Parameter Influence Analysis	
<i>Binyuan Shi, Yong Jin, Hongtao Zhu, Lei Wang, Bin Zhu, Lihao Zhang, Jian Huang, Gao Wan</i>	1485
(335) A Dynamic Control Model for Using Exclusive Bus Lanes under the V2X Environment	
<i>Jiechun Zeng, Xiaowei Hu, Zhaojian Wang</i>	1492
(336) Research on Reinforcement Learning-Based Control Strategy for Heading Control of Intelligent Marine Vehicle	
<i>Xing Chen, Zhan Cheng, Xiangyu Chen, Ningbo Li, Siyu Tang and Dongyang Zhang</i>	1499
(338) Research on the Transfer Characteristics of Low-Frequency Line Spectra in Ship Propulsion Shafting Systems	

<i>Chengxing Sheng, Zongyu Yang, Yong Jin, Ruiqing Li, Tao He</i>	1506
(341) Integrative Framework and Future Prospects for Remote Driving Workload Research	
<i>Luo Fan, Yinuo Ma</i>	1514
(343) Research on Driver Trust Prediction based on the Attention-CNN Model	
<i>Xiaobei Jiang, Tao Zhou; Guanyu Li, Chun Hu, Hanlin Wang, Lihui Li, Hongwei Guo, Wuhong Wang</i>	1521
(344) Robust Koopman Model Predictive Path Following Control for Unmanned Surface Vehicles	
<i>Yingjie Tang, Linying Chen, Junmin Mou, Pengfei Chen, Yamin Huang</i>	1526
(345) Enhancing Supply Chain Resilience Through HR Practices in Transportation	
<i>Omolomo Odunayo Tobora, Jun Ren, Robyn Pyne, Lan Jenkinson</i>	1533
(346) Design and Implementation of Dynamic Testing System for Marine Intelligent Equipment	
<i>Qiong Hu, Xiyang Liu, Li Xu, Haihua Zhang, Chuanliang Zhao, Kaiwei Xu</i>	1544
(347) Research on Calculation and Prediction Methods for Ship Water Pollutant Discharge Inventory	
<i>Lin Wei, Xiaofeng Ma, Yanfeng Li, Chaohui Zheng</i>	1550
(349) Expressway Reconstruction and Expansion Project Intrusion Prevention Intelligent Early Warning System for Traffic Safety Risks	
<i>Jiatian Hao, Zhongguang Wu, Zechao Huang, Wanli Tian, Shuang Jing</i>	1558
(350) Evaluation of the Localization Effect of Highway Engineering Construction and Safety Standards	
<i>Shuo Pan, Zhongguang Wu, Xianguang Wang, Wei Wang, Ji Wang</i>	1564
(351) Research on tracking control of ships based on HGL-FOC	
<i>Zhan Cheng, Meng Li, Xiyang Liu, Xiangyu Chen, Siyu Tang and Dongyang Zhang</i>	1569
(353) Drone Logistics Task Allocation Based on an Improved Particle Swarm Optimization Algorithm	
<i>Guoliang Liu, WeiZheng Cheng, ZhePing Pan, Xinyi Wu, ZhiJun Chen</i>	1574
(354) Collision Timing Analysis of Autonomous Vehicles Based on Recurrence Plots	
<i>Dejun Bu, Hao Li, Miao Lin, Qingkun Hou, Lin Zhang, Shangqing Shen, Fangyu Guo and Shuai Che</i>	1580
(355) MPC thrust allocation method for Maritime autonomous surface ships	
<i>Yide Ye, Linying Chen, Pengfei Chen, Junmin Mou, Jinhong He, Mengxia Li</i>	1590
(356) Analysis of the Impact of Passenger Car Front Shape on Pedestrian Lower - limb Injuries Based on XGBoost, SHAP and PC-Crash	
<i>Chunhui Li, Liangliang Shi, Jianxiong Ming, Jie Chen, Aiqi Huang, Shujuan Cui</i>	1596
(357) Impact of Non-driving Related Tasks on Drivers During Conditional Automated Driving	
<i>Qi Zhang, Junfu Huang, Hui Zhang, Naikan Ding, Qiang Zhang, Liangyi Yang</i>	1604
(358) Research on Path Planning of Ship Cabin Robot based on Improved APF-RRT Algorithm	
<i>JianGen Zhou, Chen He, XiaoJun Li, YongXu Chen, HuaQing Li, Kun Yang</i>	1610
(359) Analysis of the Current Situation and the Factors Affecting the Severity of Road	

Traffic Accidents in China based on New Energy Vehicles	
<i>Jiixin Liu, Liangliang Shi, Shujuan Cui and Niansong Liu</i>	1617
(360) Research on bi-level programming of emergency material location-routing after earthquake based on road reliability	
<i>Xinrong Li, Hui Hu, Le Yang</i>	1627
(361) Influence of Emotions on Driving Behavior: An Overview in Transportation Research	
<i>Ling Jin, Hui Zhang, Xiaofeng Pan, Hang Yang</i>	1635
(362) An Empirical Study on the Evaluation of the Effect of Dynamic Hard Shoulder Running on Expressways and the Opening Strategy	
<i>Yi Lin, Xiaoyu Huang, Qi Wang, Min Zhang</i>	1645
(363) Optimization of Drug Transportation Logistics for Home Isolation Patients: A Case Study in Thailand	
<i>Duangpun Kritchanchai, Jirawan Niemsakul, Wirachchaya Chanpuypetch, Sirirat Srisakunwan, Sermpong Niemsakul</i>	1654
(364) Research on Path Planning and Control Strategy for Autonomous Docking of Intelligent Ships	
<i>Yi Wu, Jian Yin, Chong Ding, Shuwu Wang</i>	1664
(365) Layout Optimization of Outfitting Parts Distribution Center for Large Ocean-going Passenger Ship Based on SLP and Flexsim	
<i>Min Tu, Jing Wu, Junjie Li</i>	1670
(366) Automated Compliance Testing Case Generation for Intelligent Connected Vehicles a Multi-Layer Knowledge-Augmented Framework	
<i>Qinting Li, Zhonghai Han, Liangyi Yang, Qi ZHANG, Yue Xiong</i>	1679
(368) Study on Optimization Model of Ro-Ro Fleet Scheduling for Multi-Type Transportation Demands	
<i>Yukuan Wang, Jingxian Liu, Jinbao Wang, Hongchu Yu, Lichao Yang</i>	1686
(371) Hierarchical Multi-Plan Decision-making in Merging Mixed Waterways Based on Stackelberg Game	
<i>Zhuoyi Li, Tsz Leung Yip, JungWook Lee, Fan Zhang</i>	1692
(372) Cooperative Game Approach to Vessel Merging Decisions in Traffic Separation Scheme Waters	
<i>Lin Zhang, Tsz Leung Yip, Zhuoyi Li and Deshan Chen</i>	1700
(373) Research Method for Intent Inference of Two-Ship Encounter Scenarios Based on Stackelberg Game	
<i>Wenbin Tu, Tsz Leung Yip, Zhuoyi Li, Deshan Chen</i>	1708
(374) Research on Intelligent Collision Avoidance Algorithms for Tugboats in Harbor Areas	
<i>Shuquan Shi, Tong Zhang, Tengfei Wang</i>	1716
(375) Task Allocation Method for Large-Scale UAV Swarms Based on Reinforcement Learning	
<i>Guoliang Liu, Weizheng Cheng, Zheping Pan, Peng Luo Zhijun Chen</i>	1723
(376) Methods for Multi-Source Sensing Fusion in Dynamic Maritime Environments	
<i>Gao Wan, Menghong Wang, Tengfei Wang, Ming Huang, Linsheng Lu, Ziyun Yang</i>	1728

(377) A multi-vessel cooperative positioning method based on factor graph <i>Xin Xiong, Yamin Huang, Xinglong Fang, Tao Lei, Ling Zhou, Kun Peng</i>	1736
(379) Agent-based Discrete Event Simulation Study for Cross-dam Transshipment Transportation System <i>Shijie Li, Shiyu Li, Jinsong Yang, Jialun Liu, Chengqi Xu, Zhilin Dong</i>	1743
(381) Analysis of the Influence of Rotor Offset and Deflection on Load-bearing Characteristics of the Permanent Magnet Bearing <i>Yong Jin, Xiaoxue Fu, Wu Ouyang, Ziyang Yan, Quanchao Li, Jian Huang, Gao Wan</i>	1749
(382) Understanding Social Factors Influencing Emergency Response to Housing Loss <i>Bárbara Contreras-Montero</i>	1755
(385) Reliability Assessment of Ship Systems by Fault Tree Analysis and Bayesian Network <i>Ivana Jovanovic, Mateljak Bruno-Srećko, Nikola Vladimir, Ailong Fan</i>	1760
(386) Preliminary Risk Analysis of Bunkering Operations for Hydrogen-powered Ships <i>Hao Cheng, Shanshan Fu, Jihan Lu, Ningji Wu, Siyuan Gu</i>	1767
(387) Research on Multi Index Decision making for Site Selection of Coastal Biofuel Refueling Ports <i>Juntong Lu, Dan Wang, Kun Li, Fei Qin, Jingren Deng, Shaosong Zhu, Yu Gao, Lipeng Wang, Yuanzi Zhou</i>	1774
(388) Multi-stage Energy Storage for High-efficiency Thermoelectric Harvesting in Gas Turbine <i>Changlei Feng, Jun Dai, Siliang Hu, Huayang Feng, Tao He</i>	1779
(389) Compensation of Magnetorheological Brake Output Torque under High Temperatures: A Thermally-Driven Shape Memory Alloy Integration Approach <i>Tairong Zhu, Zhiyuan Xu, Zheng Gao, Zilong Xue, Jun Dai</i>	1786
(390) Research on USV Trajectory Tracking Based on Adaptive Model Predictive Control with Kalman Filter <i>Yanhao Li, Xiaoqiong Wang, Langxiong Gan, Lei Zhang</i>	1792
(391) The Influence of Balance Hole Diameter on the Axial Force in Electromagnetic Direct-Drive High-Speed Centrifugal Pump <i>Bingqian Wang, Feng Wang, Xingxin Liang, Ruyi Wang, Xuru Liu, Baoyang Luo</i>	1801
(393) Study on Virtual Calibration of Heavy-duty Vehicle Engine Emissions Based on Stepwise Polynomial Regression <i>Tianyou Wang, Dongwei Liu, Wenjian Jiao, Pingxiong Ye, Xiaowen Xu</i>	1807
(394) Dynamic Analysis in HOF Risk Involved Ship Fire Accident on HFACS with a Bayesian Network <i>Mingyang Shi, Shaoyong Xuan, Shenping Hu, Qingguo Fu</i>	1815
(395) Influence of Support Characteristic Parameters on the Dynamic Behavior of Multi-Support Shafting <i>Yong Jin, Zhaozhi Dong, Qilin Liu, Sen Zhang, Wei Liu, Hui Tao</i>	1824
(396) The Value of Internet of Things Iot and Blockchain Technologies in the Supply Chain of Emergency Resources in Disasters. Especially in Traffic Operation and Transportation System Management <i>María Jesús Jiménez Linares</i>	1829

(397) Online Estimation Method of Rolling Bearing Health Index Based on Wavelet Features and Particle Filtering <i>Yangrui Ge, Yongli Luan, Yinzheng Zhou, Bin Han</i>	1834
(398) BMRF-Net: Bidirectional Multi-Scale Receptive Field Fusion Network for Tiny Ship Detection <i>Yaohui Zhang, Jin Liu, Hongze Liu, Lei Guo, Bing Han, Zhongdai Wu</i>	1842
(399) LAFNet: A Lightweight Anchor-Free Framework Based on Dynamic Allocation Guidance for SAR Ship Detection <i>Miao Chen, Jin Liu, Hai Lin, Xingye Li, Lei Guo, Bing Han</i>	1848
(400) Dual Swin-Net for Space-Based Infrared Tiny Ship Detection <i>Hongze Liu, Jin Liu, Wenjuan Dai, Junxiang Wang, Xingye Li, Yaohui Zhang</i>	1854
(401) Research on the Blocking Effect of Ship Fires in Large Ship Navigation Tunnels <i>Muyang Li, Yulong Liu, Jian Deng, Jinfen Zhang</i>	1860
(402) Strength Optimization Design of Sandwich Bearing Based on Response Surface Method <i>Bin Hu, Fubin You, Yong Jin, Ruiqing Li, Wei Liu, Sen Zhang</i>	1866
(403) Experimental Investigation of Marine Thrust Bearing Lubrication Failure under Water Contamination and Supply Interruption during Emergency Return-to-Port Operations <i>Xiao Xie, Ziyang Yan, Zhenguo Song, Bin Luo, Ouyang Wu, Jian Huang, Yong Jin</i>	1874
(404) Uncertainty-Driven YOLO for Object Detection in Adverse Weather <i>Zhangyu Gong, Chuang Qian, Zhijun Chen</i>	1882
(405) Adaptive Control Barrier Function-Nonlinear Model Predictive Control for Obstacle Avoidance Control in Underground Mining Areas <i>Peng Luo, Chaozhong Wu, Zhijun Chen, Chuang Qian, Shengguang Xiong</i>	1889
(406) Comparison of Two Unconventional Intersection Designs under Varying Left-turn Ratios <i>Liyang Tang, Qianyi Zhang, Junming He, Yugang Liu</i>	1895
(407) Dynamic Speed Optimization Method of Inland Ships for the Optimal Operating Efficiency <i>Weiwen Qian, Qizhi Yin, Zhen Wang, Jie Liu, Lu Zhang</i>	1900
(408) A Method for Ship Energy Efficiency Data Cleaning Based on Interval Prediction <i>Letian Qin, Qizhi Yin, Zhen Wang, Weiwen Qian, Liangzhen Jin, Xueqian Chang</i>	1908
(409) Extraction of Vehicle Trajectory Features and Traffic Conflict Prediction in the Diverging Area of Expressways Based on Video Data <i>Xingchen Yi, Xuelei Lyu, Nengchao Lyu</i>	1916
(410) Shipping Sustainability Index Construction Method Based on Multimodal Data Fusion and Dynamic Empowerment <i>Liang Huang, Zhikun Shao, Yamin Huang, Yuanqiao Wen, Xin Peng, Man Zhu</i>	1923
(411) Visualization Service System for Ship Trajectory Prediction Based on Multi-Source Data Fusion <i>Liang Huang, Wenjie Lin, He Lin, Peng Zou, Yuanqiao Wen</i>	1929
(412) A3C-Based Model-Free Adaptive Fault-Tolerant Control for Intelligent Ships with an Extended State Observer	

<i>Chengqi Xu, Jialun Liu, Shijie Li, Zhilin Dong and Xinjue Hu</i>	1937
(414) Data-driven BN and DBN Models Prediction Performance for Ship Collision Risk Assessment	
<i>Cihad Celik, Huanhuan Li, Jiongjiong Liu, Musa Bashir, Lu Zou, Zaili Yang</i>	1945
(416) A Holistic Approach to Smart Connected Multimodal Transportation for Resilient and Sustainable Rural Logistics and Mobility	
<i>Rainer Uphoff, Javier Cruz Miranda</i>	1953
(417) Volcanic Activity and Its Impact on Air Operations: Lessons from Eyjafjallajökull	
<i>María del Carmen Quirantes Sierra, Arturo Quirantes Sierra, Daniel Arias Aranda</i>	1960
(418) Intelligent Tugboat Scheduling for Port Seaside Operations	
<i>Jingwen Wang, Yaqiong Lv, Shijie Li</i>	1964
(419) Pedestrian Flow Modeling in Obstacle Environment Based on Inverse Reinforcement Learning	
<i>Shuting Bi, Shaobo Liu, Chang Liu</i>	1970
(420) Biomimetic Design and Kinematic Analysis of a 2UPS-RU Parallel Manipulator for Marine Lifting Operations: A Structural Engineering Approach	
<i>Shengyou Liu, Minghang Yue, Hongzhou Wang, Yuchen Pan</i>	1976
(421) Demand for High-Quality Development Standards in Inland Waterway Engineering Construction Based on Policy Comparative Analysis	
<i>Juan Li, Zhouzhou Liu, Zhongguang Wu</i>	1982
(422) Online Recognition of Ship Behavior Based on IMU Sensors	
<i>Jiaxin Jian, Yuanqiao Wen, Chunhui Zhou</i>	1990
(423) Construction and Practice of the Green Energy Strategy for Inland Vessels	
<i>Guangyao Liu, Wei Xu, Ziqian Xu</i>	2000
(424) Research on the Simulation of Vessel Traffic Flow in the Yangtze River Estuary Waterway	
<i>Ning Chen, Ping Li, Xuanao Ma</i>	2006
(429) Characterizing Driver Behavior Patterns with Driver Assistance Systems under Different Lighting Conditions: A Driving Simulator Study	
<i>Qingwan Xue, Lan Lu, Yun Wang, Yu Zhou, Yinghong Li, Junyu Hang</i>	2016
(430) Progresses and Developments of Intelligent Tugs in Port Operations	
<i>Zhilin Dong, Jialun Liu, Shijie Li, Chengqi Xu, Yuanchang Liu, Peng Wu</i>	2021
(433) Development of Urban Space Pattern Prediction Models Based on Nested Logit Model and Weighted Euclidean Distance Similarity Algorithm at Traffic Analysis Zone Level	
<i>Xin Cheng, Zhi Ren, Ming Zhong, Ge Cui, Xiaofeng Pan</i>	2028
(434) Assessment of Alternatives and Optimisation Framework for Sustainable Power-Barges	
<i>Nikolaos P. Ventikos, Panagiotis Sotiralis, Panagiotis Tzanos, Marios-Anestis Koimtzoglou, Manolis Annetis, Ignacio Benítez, Jorge Lara</i>	2036
(435) Safety and Durability Enhancement of Lithium-ion Batteries Using Hybrid Deep Learning Approaches	
<i>Muhammad Irfan, Linzhi Xu, Min Liu, Lingyu Chen, Liang Tong, Yupeng Yuan, Tianqi Yang, Chengqing Yuan, Jinsheng Xiao</i>	2045

(436) Digital Transformation Pathways, Sustainable Innovation, And Competitive Advantage: A Study in Spanish Manufacturing Firms
Francisco Gustavo Bautista Carrillo, Daniel Arias Aranda.....2055