

2024 IEEE International Conference on Service Operations and Logistics, and Informatics (SOLI 2024)

**Macau, China
22-24 June 2024**



**IEEE Catalog Number: CFP24SOL-POD
ISBN: 979-8-3503-7917-4**

**Copyright © 2024 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:	CFP24SOL-POD
ISBN (Print-On-Demand):	979-8-3503-7917-4
ISBN (Online):	979-8-3503-7916-7
ISSN:	2832-6547

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

Mission Reliability and Optimization in Multi-Agent Systems using Hyperledger Fabric Platform	1
<i>Chengfang Lu, Jing Zhu, Linhan Ouyang</i>	
Discovering Themes and Future Directions in the Electric Vehicle Literature: Insights from Structural Topic Modeling.....	7
<i>Souradeep Koley, Bhanu P. Basavala, Vincent T. F. Chow, Mukesh K. Barua</i>	
Hygiene Factors and Motivators of Primary Care Physicians' Continuous Usage Intention for B2B Telemedicine in China: SEM and fsQCA Finding.....	13
<i>Pan Gao, Dongle Wei, Yu Wang, Wei Lu, Ruifang Guo, Yunkai Zhai</i>	
A Novel Approach with Deep Learning to Address Multilabel Imbalance in Predictive Modeling: ML-RUSMOTE.....	19
<i>E. Erjiang, Tingyan Wang, Ming Yu, Mary Dempsey, Attracta Brennan, John J. Carey</i>	
Integrated Distributionally Robust Simulation-Optimization.....	25
<i>Pengxiang Zhou, Wai K. Chan, Zuo-Jun Shen</i>	
Model-Based Reinforcement Learning for Connected and Automated Vehicles Platoon Control	31
<i>Yanbing Yan, Haigen Min, Yukun Fang</i>	
The Impact of Information Provision on the Success of Medical Crowdfunding Projects.....	37
<i>Wenxin He, Qiqi Chen, Pi-Ying Yen, Haoyu Liu</i>	
A Doctor Recommendation Method in Telemedicine Based on Multi-Granularity Features Extraction	43
<i>Yahui Wu, Yunkai Zhai, Lun Ran, Yan Qiao</i>	
ℓ_p -Norm Based Capon Filter for Robust DOA Estimation.....	49
<i>Yi Yang, Yuan Chen</i>	
A Structure-Based Scoring Policy for Patient Stratification on the U.S. Heart Transplant National Waiting List	55
<i>Yuhan Miao, Chao Zhang, Qiao-Chu He</i>	
An Exploration of Demographic and Psychosocial Indicators of Centenarian Survivorship	61
<i>Samaneh Rezaeimanesh, Mohammad Fili, Guiping Hu, Alex Bishop</i>	
Llama-Time: Fine-Tuning a Large Language Model for Advanced Time Series Prediction.....	66
<i>Sina Aghakhani, Guiping Hu</i>	
sEMG-Vision Tra: A Gesture Recognition Method Based on Surface EMG Signal-Vision Fusion.....	73
<i>Weili Ding, Shuhui Zhang, Han Liu</i>	
Modeling and Evaluation of Coordinated Delivery of Truck and Drones in Depopulated Areas of Japan.....	79
<i>Anxiang Chen, Yoshiyasu Takahashi, Youichi Nonaka</i>	
Study on Permanent and Temporary Combination Siting of Engineering Logistics Facilities in Complex Environmental Regions.....	85
<i>Hao Shen, Jin Zhang, Hangwei Xu</i>	

LogisticsVISTA: 3D Terminal Delivery Services with UAVs, UGVs and USVs Based on Foundation Models and Scenarios Engineering	91
<i>Yonglin Tian, Fei Lin, Xinyuan Zhang, Jingwei Ge, Yutong Wang, Xingyuan Dai, Yisheng Lv, Fei-Yue Wang</i>	
A Review of Energy Storage: Economic Viability, Social Impacts, and Future Directions	97
<i>Jianwen Zhang, Rui Feng Sun, Yuwei Long, Rui Bo, Jian Liu</i>	
A Sustainable Multi-Objective Optimisation Model for a From-Farm-To-Fork Network Design Considering Time-Dynamic Temperature-Linked Perishability	103
<i>Phuwadon Waiyanet, Chao Lei</i>	
Fixed-Subsidy or Revenue-Sharing: Optimal Incentive Considering Consumer Heterogeneity in Healthcare Data Transaction.....	109
<i>Dongle Wei, Pan Gao, Yunkai Zhai</i>	
Efficient Simulation-Assisted Service System Design.....	115
<i>Jiang Li, Jianzhong Du, Qiang Ye, Guangxin Jiang, Siyang Gao</i>	
Teleconsultation Appointment Scheduling Under Uncertain Service Duration and Doctor Availability	121
<i>Jiayi Tong, Yunkai Zhai, Lun Ran, Yan Oiao</i>	
AI Trustworthy: Ethical Challenges and Strategies.....	127
<i>Jian Liu, Iwan Sandjaja, Donald C. Wunsch</i>	
Correlational Analysis Between Physical Discomfort and Ergonomic Assessment of Coconut Grating Process on Philippine Public Markets	133
<i>Andrea G. P. Salazar, James L. R. Meneses, Roland E. O. Mabuting, Agnes L. Aviles, Dave M. B. Pajarillon, Chaster T. D. Ojo</i>	
Simulation-Based Ergonomic Assessment of the Improved Workstation Design in Smoked Fish Preparation Process	139
<i>Samantha L. Q. Macaraig, James L. R. Meneses, Jerico R. Amago, Gervin S. Espinosa, Mark M. Jaca, Justine P. Torres</i>	
Physiological-Based Comparison of Deep Learning Models for Pain Level Estimation	145
<i>Wenchao Zhu, Yingzi Lin</i>	
IEconformer: A Robust Convolutional Transformer for EEG-Based Fatigue Driving Detection	151
<i>Jie Chen, Yipeng Du, Shuyi Kong, Edith C. H. Ngai, Jian Liu</i>	
When Chatbot Fails: Expectancy Violation and Intergroup Bias in Human-AI Interactions	155
<i>Aibo Tan, Caihong Jiang</i>	
Agent-Based-Simulation-GIS Enabled Efficient and Robust Emergency First Responder Dispatching.....	161
<i>Chang-Yan Shih, Kexin Cao, Xinglu Liu, Mingchuan Yang, Wai K. V. Chan</i>	
TRamCol-Diff: Deepening Diffusion Model Comprehension for Extensive Categorical Medical Service Data	169
<i>Fengwei Jia, Hongli Zhu, Fengyuan Jia, Wai K. V. Chan</i>	
Coupling Relationship Between Hospital Service Facilities and Infectious Disease Epidemic Intervention Based on Hybrid ABM and DES Model	176
<i>Hongli Zhu, Fengwei Jia, Fengyuan Jia, Wai K. V. Chan</i>	

Digital Twin-Based Production-Delivery Synchronization Under Batch Processing Mode.....	184
<i>Zhicong Hong, Ting Qu, Yongheng Zhang, Kai Zhang, Mingxing Li, George Q. Huang</i>	
Exploring City-Level Scholar Funding Service Impact: A Data-Driven Decision-Making System Based on Difference-In-Differences Method.....	190
<i>Wenxin Liu, Yuxuan Xiu, Zhenwen Xiong, Keqin Guan, Bokui Chen, Wai K. Chan</i>	
Environmental Effects of Lane Management Strategies Considering Connected and Autonomous Vehicles	196
<i>Xizhen Chen, Xumei Chen, Shiyu Jiang, Yue Du, Zexin Fu</i>	

Author Index