

ECC 2024

The 8th Euro-China Conference on Intelligent Data Analysis and Applications

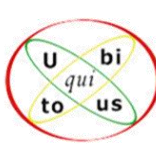
December 7-9, 2024

Xiamen, China

Conference Guidebook

Onsite/Online Hybrid

Vienna International Hotel (Xiamen University)



Springer



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Sponsors



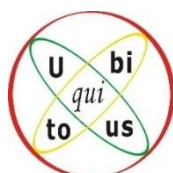
Nanchang Institute of Technology, China



Minnan Science and Technology University, China



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Organizing Committee

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Lakhmi C. Jain, University of Technology Sydney, Australia

Conference Chairs

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Valentina Emilia Balas, Aurel Vlaicu University of Arad, Romania
Jia Zhao, Nanchang Institute of Technology, China

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Ruo-Bin Wang, North China University of Technology, China

Lin Xu, University of South Australia, Australia



Keynote Speech (I)



Navigating the Maze: Overcoming Difficulties in Optimization for Challenging Real-World Problems

Prof. Seyedali Mirjalili, Torrens University, Australia

Abstract

The ever-increasing complexity and difficulty of optimization problems that humankind faces have substantially increased the demand for efficient and accurate optimization algorithms. Over the last two decades, nature-inspired stochastic optimization techniques have been widely used to solve a variety of problems in both science and industry. They have indeed become reliable alternatives to conventional optimization algorithms. Despite the popularity and substantial impact of such methods, optimization of real-world problems involves addressing a large number of difficulties, including but not limited to locally optimal solutions, multiple objectives, constraints, expensive objective functions, noisy data, dynamic search spaces, and uncertainties. In this talk, such difficulties are first presented along with their impact on the whole optimization process. The idea of agile and iterative optimization workflows between optimization experts and decision makers is then discussed to ensure effective use of optimization algorithms and minimize the risk of failure. Challenges and recent advances in the design and development of exact, heuristic, meta-heuristic, and hyper-heuristic optimization algorithms are then covered. There will be also information on the reason why most recent optimization algorithms tend to be nature-inspired, the future of research in this interesting area, and the substantial impact on societies.

Biography

Seyedali Mirjalili is a Professor at the Center for Artificial Intelligence Research and Optimization at Torrens University. He has gained international recognition for his contributions to nature-inspired artificial intelligence techniques, with over 500 published works that have received more than 110,000 citations and an H-index of 110. He has been on the list of the top 1% of highly-cited researchers since 2019, and Web of Science named him one of the most influential researchers in the world. In 2022 and 2023, The Australian newspaper recognized him as a global leader in Artificial Intelligence and a national leader in the Evolutionary Computation and Fuzzy Systems fields. He serves as a senior member of IEEE and holds editorial positions at several top AI journals, including Engineering Applications of Artificial Intelligence, Applied Soft Computing, Neurocomputing, Advances in Engineering Software, Computers in Biology and Medicine, Healthcare Analytics, Applied Intelligence, and Decision Analytics.

Keynote Speech (II)



Object-semantics-aware Scalable Coding and Enhancement for 3D Point Cloud

Prof. Anhong Wang, Taiyuan University of Science and Technology, China

Abstract

The realization of autonomous driving relies strongly on the smooth transmission and accurate object detection of 3D point clouds. However, due to the huge amount of data in point clouds, limited wireless bandwidth, and the fact that the understanding of point clouds is still in its early stages, there are some problems in practical applications, such as compression algorithm performance; The fixed bit rate of existing algorithms cannot meet the scalability requirements of wireless transmission;

The existing compression algorithms simply pursue compression performance and ignore the semantic understanding of point clouds. This affects the accuracy of 3D object detection and limits further improvement of compression performance. In response to these issues, this report introduces several research explorations of the research group in Object-semantics-aware scalable coding and enhancement for 3D point cloud, including compression methods for 3D point clouds for classification and object detection tasks, scalable compression methods for 3D point clouds, and 3D point cloud object detection methods that combine semantics. The research content of this report is expected to have a certain promoting effect on the standard compression algorithm for 3D point clouds.

Biography

Anhong Wang, secondary-level professor, doctoral supervisor, dean of the School of Electronic Information Engineering of Taiyuan University of Science and Technology. Her works mainly focuses on scientific research, talent cultivation, and theoretical teaching in the field of image/video/3D point cloud communication. It has successively won provincial and ministerial honorary titles such as "New Century Excellent Talents of the Ministry of Education", "Academic and Technical Leader of Shanxi Province", "May Day Labor Medal of Shanxi Province", and "Model Worker of Shanxi Province". She has hosted one National Natural Science Foundation key project and four general projects, over ten vertical scientific research projects in Shanxi Province, and over twenty commissioned projects by enterprises. Theoretical achievements have been published in over 100 papers and granted over 30 patents in well-known journals and international conferences in the field, such as IEEE Trans, Chinese Science and ICME, ICIP, etc.



Conference Program

Time	December 7, 2024 (Saturday)
15:00 18:00	Registration (Hotel Lobby, Vienna International Hotel)

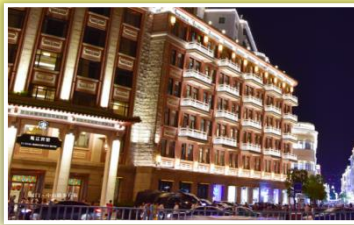
Time	December 8, 2024 (Sunday)	
08:30 08:45	Opening (Huajian Room, 6F, Vienna International Hotel)	
08:45 09:35	Keynote Speech (I) <i>Prof. Seyedali Mirjalili</i> (Huajian Room, 6F, Vienna International Hotel)	
09:35 10:25	Keynote Speech (II) <i>Prof. Anhong Wang</i> (Huajian Room, 6F, Vienna International Hotel)	
10:25 10:45	Break	
10:45 12:00	Session A01 (Huajian Room, 6F)	
12:00 13:30	Lunch (Chinese Restaurant, 1F)	
13:30 15:30	Session A02 (Huajian Room, 6F)	On-Line Session B01 (Tencent/VooV Meeting ID: 671-286-120)
15:30 18:00	Session A03 (Huajian Room, 6F)	On-Line Session B02 (Tencent/VooV Meeting ID: 671-286-120)
18:15	Banquet (Chinese Restaurant, 1F)	

ECC 2024

The 8th Euro-China Conference on Intelligent Data Analysis and Applications

December 7-9, 2024, Xiamen, China

Time	December 9, 2024 (Monday)
09:00 10:00	Poster Session C01 (Huajian Room, 6F)
10:00 11:00	Poster Session C02 (Huajian Room, 6F)
11:00 12:00	Poster Session C03 (Huajian Room, 6F)
12:00	Closing



Keynote Speech

Keynote Speech (I): Navigating the Maze: Overcoming Difficulties in Optimization for Challenging Real-World Problems

Speaker: Prof. Seyedali Mirjalili, Torrens University, Australia.

Date: December 8, 2024 (Sunday)

Time: 08:45-09:35

Room: Huajian Room, 6F, Vienna International Hotel

Session Chair: Prof. Zhengyu Meng, Fujian University of Technology, China

Keynote Speech (II): Object-semantics-aware Scalable Coding and Enhancement for 3D Point Cloud

Speaker: Prof. Anhong Wang, Taiyuan University of Science and Technology, China.

Date: December 8, 2024 (Sunday)

Time: 09:35-10:25

Room: Huajian Room, 6F, Vienna International Hotel

Session Chair: Dr. Lingping Kong, VSB-Technical University of Ostrava, Czech Republic

On-Site Paper Presentation

Session A01

Date: December 8, 2024 (Sunday)

Time: 10:45-12:00

Room: Huajian Room, 6F, Vienna International Hotel

Session Chair: Prof. Kuan-Chun Huang, Chung Yuan University, Taiwan

Prof. Pei-Wei Tsai, Swinburne University of Technology, Australia

(1) Paper ID: ECC2024-010

Paper Title: Leveraging AlexNet and Histogram of Oriented Gradients for Alzheimer's Disease Diagnosis

Author(s): Zhonghai Bai, Vaclav Snasel, Seyedali Mirjalili, Bay Vo, Lingping Kong

(2) Paper ID: ECC2024-018

Paper Title: Spherical search with Random projection For Multi-objective Optimization

Author(s): Lingping Kong, Vaclav Snasel, Shu-Chuan Chu

(3) Paper ID: ECC2024-021

Paper Title: LSCA-DE-DNA: A Novel Sine-cosine Algorithm-optimized DNA Encryption Method for Remote Sensing Images

Author(s): Gaoyuan Liu, Boxiong Yang, Yanyan Shi, Dingjiang Wei, Shuzhen Li, Ying Yu

(4) Paper ID: ECC2024-022

Paper Title: Application of the Rafflesia Optimization Algorithm for Task Scheduling in Cloud Computing Environment

Author(s): Jeng-Shyang Pan, Na Yu, Hong-Mei Yang, Xiaopeng Wang, Shu-Chuan Chu

(5) Paper ID: ECC2024-023

Paper Title: Multi-Population Nutcracker Optimization Algorithm with Multi-Strategies

Author(s): Shu-Chuan Chu, Buyue Guo, Kuan-Chun Huang, Junzo Watada

(6) Paper ID: ECC2024-026

Paper Title: An Efficient Artificial Protozoa Optimizer with Quasi-Affine Transformation Evolutionary and Its Application for Intrusion Detection

Author(s): Ru-Yu Wang, Jeng-Shyang Pan, Lingping Kong, Junzo Watada

(7) Paper ID: ECC2024-027

Paper Title: Multi-Strategy-Based Advanced Tumbleweed Algorithm

Author(s): Jeng-Shyang Pan, Cuijing Cao, Xingsi Xue, Jia Zhao, Shu-Chuan Chu



Session A02

Date: December 8, 2024 (Sunday)

Time: 13:30-15:30

Room: Huajian Room, 6F, Vienna International Hotel

Session Chair: Prof. Trong-The Nguyen, Ho Chi Minh City, Vietnam

Prof. Ruo-Bin Wang, North China University of Technology, China

(1) Paper ID: ECC2024-028

Paper Title: The Nelder Mead Simplex Growth Optimizer Algorithm

Author(s): Jeng-Shyang Pan, Wenda Li, Bing Yan, Vaclav Snasel, Shu-Chuan Chu

(2) Paper ID: ECC2024-032

Paper Title: Enhancing Manufacturing Efficiency through the Integration of Smart Manufacturing and Virtual Reality Technologies

Author(s): Kuan-Chun Huang, Shu-Wei Wu, Xusheng Cui, Hsiao-Tse Lin, Mathieu Bodin

(3) Paper ID: ECC2024-033

Paper Title: RRDH: Re-compacting Reverse Distillation via Hypersphere for Confectionery Unsupervised Anomaly Detection

Author(s): Haiyun Jiang, Yijie Zhang, Zuoyong Li, Shicheng Xu, Xinwei Chen

(4) Paper ID: ECC2024-036

Paper Title: BMCNet: Brightness Restoration and Multi-scale Color and Edge Refinement for Low Light Image Enhancement

Author(s): Liru Zhang, Lijun Zhao, Anhong Wang, Aiping Ning, Huming Du

(5) Paper ID: ECC2024-051

Paper Title: Semi-supervised Segmentation Network Combining Spatial Enhancement and Feature Alignment

Author(s): Ye Chen, Anhong Wang, Donghan Bu, Zhiyue Han, DeBiao Zhang

(6) Paper ID: ECC2024-053

Paper Title: Implementation of a Fire Detection System Based on YOLOv5

Author(s): Yuh-Chung Lin, Ta-Wen Kuan, Shun Nian Luo, Xiaodong Yu, Yezhe Shi, Diakonova Vasilisa

(7) Paper ID: ECC2024-055

Paper Title: Research and Analysis of Smart Clothing Based on Citespace

Author(s): Lu Gao, Ke-Ke Sun

(8) Paper ID: ECC2024-056

Paper Title: Current Status and Trends of Research on Sustainable Clothing Materials - A CiteSpace-Based Analysis

Author(s): Lu-fei Yang, Ke-ke Sun

(9) Paper ID: ECC2024-058

Paper Title: Generative Adversarial Networks Based on Dual-Domain Fusion for Image Steganography Cost Learning

Author(s): Tao Zhang, Li Liu, Anhong Wang, Yingchun Wu, Zhifeng Xing

(10) Paper ID: ECC2024-059

Paper Title: Robotic Arm Trajectory Optimization Using Data-Driven Evolutionary Algorithm

Author(s): Xiaopeng Wang, Ale s Vysocky, Toma s Kot, Lingping Kong, Ponnuthurai Nagaratnam Suganthan, Zdenko Bobovsky, Vaclav Snasel

(11) Paper ID: ECC2024-091

Paper Title: The Improved Artificial Protozoa Optimization Algorithm

Author(s): Jeng-Shyang Pan, Hong Chen, Pei Hu

Session A03

Date: December 8, 2024 (Sunday)

Time: 15:30-17:30

Room: Huajian Room, 6F, Vienna International Hotel

Session Chair: Prof. Shijian Liu, Fujian University of Technology, China

Prof. Shu-Chuan Chu, Shandong University of Science and Technology, China

(1) Paper ID: ECC2024-061

Paper Title: Stock Price Forecasting Based on Gated Recurrent Unit and Nutcracker Optimization Algorithm with Non-Linear Conversion Factor

Author(s): Dong-Xing Jing, Xi-Xi Zhou, Shi-Jian Liu, Zheng Zou

(2) Paper ID: ECC2024-065

Paper Title: Integrating SMOTE and Heterogeneous Ensemble Methods for Online Fraud Detection

Author(s): Shilpa Srivastava, Niharika Patni, Meenu Singh, Millie Pant, Václav Snášel

(3) Paper ID: ECC2024-066

Paper Title: Visualization and Predictive Analysis of Product Shipment/Repair Based on Power BI and ARIMA

Author(s): Charles Chen, Ye Wang

(4) Paper ID: ECC2024-067

Paper Title: Performance Analysis of Several Famous Meta-Heuristic Algorithms Under The Congress on Evolutionary Computation Test Suites

Author(s): Xiubin Chen, Dewang Chen, Zhenyu Meng

(5) Paper ID: ECC2024-071

Paper Title: Deep Learning Based Virtual Human Posture Detection and Tracking

Author(s): Tianyou Xue, Yi-Jui Chiu

(6) Paper ID: ECC2024-076

Paper Title: A Termite Morphometric System Based on Qt and HRNet

Author(s): Yusheng Lei, Zheng Zou, Wenwen Shi, Xuewei Qiu, Dingyi Wang, Xiaotong Fu, Hongyi Fang, Jingjing Li, Shijian Liu

(7) Paper ID: ECC2024-077

Paper Title: A Reinforcement Learning-Based Approach for Optimizing SLA and Execution Costs in Cloud Data Centers

Author(s): Chang Wu, Pei-Wei Tsai, Muneeb Ul Hassan, Na Guo, Yang Lin

(8) Paper ID: ECC2024-078

Paper Title: Neural Network-Based Forecasting of IoT Connection Growth: A Comprehensive Study

Author(s): Phuc-Hau Nguyen, Trong-Trieu Hoang, Thi-Thu Nguyen, Trong-The Nguyen, Thi-Kien Dao



(9) Paper ID: ECC2024-080

Paper Title: A Novel Approach to Predicting IoT Connections Using Neural Networks and Macro-Economic Factors

Author(s): Shen Chong, Longcun Wang, Bixian Zhang, Trong-The Nguyen, Thi-Kien Dao, Haohan Zhao

(10) Paper ID: ECC2024-081

Paper Title: Leveraging LSTM for Effective Vertical Handover in Heterogeneous Wireless Networks

Authors: Xiangping Huang, Li Ting, Thi-Kien Dao, Trong-The Nguyen, Jeng-Shyang Pan

(11) Paper ID: ECC2024-082

Paper Title: A Novel Approach to Boundary Stake Management: Combining IoT, Cloud Computing, and Dual-Mode Positioning

Authors: Li Ting, Xiangping Huang, Thi-Kien Dao, Shuncai Liu

(12) Paper ID: ECC2024-083

Paper Title: Network intrusion detection based on improved learning strategy binary particle swarm optimization algorithm feature selection

Authors: Jianhua Liu, Shanglong Li, Yuxiang Chen, Ge Xu

(13) Paper ID: ECC2024-085

Paper Title: Real-time Data Matrix Code Detection for Tube-Rack System

Author(s): Xiao Xiao, Zi-Can Chen, Hui Shi, Shi-Jian Liu

On-Line Paper Presentation

Session B01

Date: December 8, 2024 (Sunday)

Time: 13:30-15:30

Tencent/VooV Meeting ID: 671-286-120

Session Chair: Prof. Tien-Wen Sung, Fujian University of Technology, China

(1) Paper ID: ECC2024-005

Paper Title: DiFFuse-Net: A Differential Feature Fusion Network for Precise Retinal Vessel Segmentation

Author(s): Huan Ma, Qinghua Lin, Zuoyong Li, Shenghua Teng, Xiang Wu

(2) Paper ID: ECC2024-006

Paper Title: Lightweight Underwater Image Enhancement Network Based on Adaptive Feature Fusion

Author(s): Jiaying Zhang, Jiawei Wu, Zuoyong Li, Shenghua Teng, Feng Guo

(3) Paper ID: ECC2024-008

Paper Title: Application of a Lightweight ResNet-CNN Integrated Model in CT Classification of Lung Cancer

Author(s): Jia-Lin Yang, Lin Xu, Ruo-Bin Wang

(4) Paper ID: ECC2024-035

Paper Title: The Evolution of China's AI Policy in the 21st Century

Author(s): ZHANG Yuanyuan

(5) Paper ID: ECC2024-057

Paper Title: UAV Path Planning Based on Levy Flight and Dynamic Mutation Grasshopper Optimization

Author(s): Jun-Jie Li, Rui-Bin Hu, Li-Hua Song, Lin Xu, Ruo-Bin Wang



Session B02

Date: December 8, 2024 (Sunday)

Time: 15:30-17:30

Tencent/VooV Meeting ID: 671-286-120

Session Chair: Prof. Tien-Wen Sung, Fujian University of Technology, China

(1) Paper ID: ECC2024-052

Paper Title: Time Effect of Anxiety Stimuli on EEG Data Discovered by Wavelet and Data Mining Analysis

Author(s): Zhuohui Xu, Nanlin Jin

(2) Paper ID: ECC2024-063

Paper Title: Optimizing Ontology Alignment Through Genetic Programmings

Author(s): Chengsheng Chi, Xingsi Xue, Huaiyuan Zheng, Guojun Mao

(3) Paper ID: ECC2024-072

Paper Title: Emotional States and Electoral Insights: Analyzing Political Leaders' Emotional Styles through Deep Learning-Based Facial Expression Recognition

Author(s): Lei Jiang, Ge Chen, Chuansheng Wang, Junxian Zheng, Shutang Liu

(4) Paper ID: ECC2024-073

Paper Title: Research and Analysis of Pilot Control Effect of Ship Pilots Based on Human Reliability

Author(s): Xiao Fu, Jingyi Shi, Jeng-Shyang Pan, Ru-Yu Wang, Na Yang, Meng Liu

(5) Paper ID: ECC2024-075

Paper Title: Research on the Digital Transformation Maturity Assessment of Automotive Parts Enterprises Based on the GAHP-FCE Method

Author(s): Lingjiao Wu, Shih-Pang Tseng, Wei Song, Ziyang Luo

Poster Session

Session C01

Date: December 9, 2024 (Monday)

Time: 09:00-10:00

Room: Huajian Room, 6F, Vienna International Hotel

Session Chair: Prof. Ruo-Bin Wang, North China University of Technology, China

Prof. Xiaopeng Wang, VSB-Technical University of Ostrava, Czech Republic

(1) Paper ID: ECC2024-001

Paper Title: Logistics Management in Power Supply and Utilization: Technology System Optimization and Efficiency Improvement

Author(s): Hsing-Hua Hsu, Lingfeng Wang

(2) Paper ID: ECC2024-002

Paper Title: Application of Automation Technology in China's Tobacco Logistics

Author(s): Lingfeng Wang, Hsing-Hua Hsu

(3) Paper ID: ECC2024-003

Paper Title: Design of Intelligent Electrical Power Inspection Robot'S Target Detection System

Author(s): Borui Yang, Zhiwen Wang, Mingyan Lv

(4) Paper ID: ECC2024-007

Paper Title: Guided Outlier Removal Via Convolution Self-Attention Fusion

Author(s): Honghui Chen, Zheng Kang, Taotao Lai, Zhizhu Lian, Yuquan Lin

(5) Paper ID: ECC2024-009

Paper Title: SCFNet: Spatial and Channel-wise Feature Enhancement for Two-View Correspondence Learning

Author(s): Xiangui Huang, Yifan Zhang, Zhizhu Lian, Taotao Lai, Xiaolang Lin

(6) Paper ID: ECC2024-011

Paper Title: Pricing of Bank Loan and Delayed Payment Combination Strategies in Retailers' Dual-Channel Low-carbon Supply Chains under Bilateral Funding Constraints

Author(s): Cai Li, Yihan Tan, Sixian Cheng, Limin Du

(7) Paper ID: ECC2024-012

Paper Title: Image Classification Algorithm Based on Triangular Segmentation Optimization

Author(s): Jinpeng Wang, Jiayi Huang, Zhirui Li, Weijie Chen, Yaotao Mo

(8) Paper ID: ECC2024-013

Paper Title: A Comprehensive Survey on Bias and Fairness in Generative AI: Legal, Ethical, and Technical Responses

Author(s): Xiaojuan Lin, Michael Losavio

(9) Paper ID: ECC2024-016

Paper Title: DBT-WBF: A Weighted Boxes Fusion Model for Improving Breast Cancer Detection in DBT

Author(s): Peirong Li, Xin Li, Peng Shi



Session C02

Date: December 9, 2024 (Monday)

Time: 10:00-11:00

Room: Huajian Room, 6F, Vienna International Hotel

Session Chair: Prof. Thi-Kien Dao, Ho Chi Minh City, Vietnam

Prof. Ruo-Bin Wang, North China University of Technology, China

(1) Paper ID: ECC2024-017

Paper Title: Chaotic Differential Gold Sine Crayfish Optimization Algorithm for UAV Path Planning

Author(s): Yu-Han Chen, Pei Hu, Chin-Shiuh Shieh, Jeng-Shyang Pan

(2) Paper ID: ECC2024-019

Paper Title: Large Kernel Deep Convolutional Neural Networks for Substation Fault Detection

Author(s): Wang Anyang, Du Huijun, Peng Jia, Yuan Chuanxin, Dong Yang

(3) Paper ID: ECC2024-020

Paper Title: Downscaling of Soil Moisture in The Black River Basin based on ACSRGAN

Author(s): Li Wenjing, Liu Yue, Yin Fanjiao, Sun Jing, Wang Xin

(4) Paper ID: ECC2024-025

Paper Title: Multi-defect Detection Method for Transmission Line Insulators Based on Multi-scale Feature

Author(s): DU Jianfeng, LI Hongjie, JIA Lumeng, DENG Ruoyu, LI Xutao, WANG Anhong

(5) Paper ID: ECC2024-029

Paper Title: Design of Sound Source Recognition Mapping Robot in Post-disaster Search and Rescue

Author(s): Hui Yanbo, Wang Ruixue, Dai Weijian, Liu Aobo, Tong Yanrong

(6) Paper ID: ECC2024-030

Paper Title: Image Rain Removal Algorithm for Generative Adversarial Networks with Dilated Residuals and Patch Constraints

Author(s): Pengcheng Hou, Jia Zhao, Yasi Yuan, Wenjing Li, Yan Zhen, Dekun Tan

(7) Paper ID: ECC2024-031

Paper Title: Research on Sign Language Recognition Algorithm Based on Convolutional Neural Networks in Complex Background

Author(s): Yuxiang Zhu, Xiao Zheng, Junming Zhang, Yu Zhang, Jinfeng Gao, Cancan Guo, Chao Liu

(8) Paper ID: ECC2024-037

Paper Title: Binary Slice-level Vulnerability Detection with Xlstm- Based Models: Enhancing Long-Term Semantic Capture

Author(s): Peng Yin, Yekun Ke, Qi Wang, Wenxin Tao, Fangyuan Hou, Yiwei Liu, Xiaohong Su

Session C03**Date:** December 9, 2024 (Monday)**Time:** 11:00-12:00**Room:** Huajian Room, 6F, Vienna International Hotel**Session Chair:** Prof. Xingsi Xue, Fujian University of Technology, China

Prof. Pei-Wei Tsai, Swinburne University of Technology, Australia

(1) Paper ID: ECC2024-039

Paper Title: Pricing of Bank Loan and Advance Payment Combination Strategies in Retailers' Dual-Channel Lowcarbon Supply Chains under Financial Constraints

Author(s): Yihan Tan, Cai Li, Xinyu Liu, Limin Du

(2) Paper ID: ECC2024-062

Paper Title: Advanced Willow Catkin Optimization Algorithm for Application of Vehicle Routing Problem with Time Window

Author(s): Jeng-Shyang Pan, Jiale Niu, Qingyong Yang, Xiao-Min Liu, Shu-Chuan Chu

(3) Paper ID: ECC2024-069

Paper Title: A Novel Deep Learning Method for Bearing Fault Diagnosis Based on FMD and Transformer

Author(s): Kai Xu, Yuanyuan Sheng, Mutao Liu, Xizhi Yue, Huanyu Liu, Junbao Li

(4) Paper ID: ECC2024-079

Paper Title: Evolution of Harris Hawks Optimization: Insights, Innovations, and Applications

Author(s): Shu-Chuan Chu, Trong-Trieu Hoang, Truong-Giang Ngo, Thi-Kien Dao, Trong-The Nguyen

(5) Paper ID: ECC2024-086

Paper Title: Assessment and Modelling of The Effectiveness of Ideological and Political Education Discourse Communication in the Intelligent Era

Author(s): Tang Chengqi, Kong Lingshuai, Li Shu

(6) Paper ID: ECC2024-087

Paper Title: Simulation of Gesture Recognition Control Robotic Arm Based on Mediapipe and OpenCV

Author(s): Chenghang Liu, Jiajun Guo, Quan Zhang, Jie Sun, Eng Gee Lim

(7) Paper ID: ECC2024-088

Paper Title: AI-based Predictive System for Bull-Side Put Spread Trading Strategy Using Decision Tree Algorithm

Author(s): Chi-Fang Chao, Ming-Hua Hsieh, Min-Kuan Chen, Mu-En Wu

(8) Paper ID: ECC2024-090

Paper Title: Research on Evaluation Indicators for the Digital Transformation of New Energy Enterprises Based on the ESG Perspective

Author(s): Wei Song, Lingjiao Wu, Dawei Luo, Ziyang Luo



Conference Venue

Conference Venue: 6F, Vienna International Hotel (Xiamen University)

Address: No. 553 Longhushan Road, Zengcuoan, Siming District, Xiamen, Fujian, China

TEL: +86-592-5221555

Baidu Map Link: <https://j.map.baidu.com/4a/dYI>

维也纳国际酒店（厦门大学店），电话：0592-5221555

厦门市思明区曾厝垵龙虎山路 553 号，6 楼 花涧厅 会议室



Transportation Information

Route from the hotel to Gaoqi Airport, Terminal 3:

- ① Bus: Take bus No. 52 from Wenzeng Huayuan Station (4 stops) to Dianhua Dormitory Station, walk 20 meters to Wenping Station, take the Airport Express Bus (6 stops) and get off at Terminal T3.
- ② Drive: 16 kilometers, about 25 minutes.
- ③ Taxi: Around 50 CNY.

Directions from the hotel to Xiamen Railway Station:

- ① Bus: Take bus No. 52 (8 stops) from Wenzeng Huayuan to South Square Station and walk 100 meters to the destination.
- ② Drive: 6 kilometers, about 12 minutes.
- ③ Taxi: about 20 CNY

Directions from the hotel to Xiamen North Railway Station:

- ① Bus: Take bus No. 87 (11 stops) from Wenzeng Huayuan Station to Xiamen Hotel Station, transfer to Metro Line 1 and get off at the terminal station in the direction of Xiamen North.
- ② Drive: 28 kilometers, about 40

酒店到高崎机场路线：T3 航站楼①公交：文曾花苑站乘坐 52 路（4 站）至电化宿舍站下车步行 20 米到文屏站公交机场专线（6 站）至 T3 航站楼下车；②驾车：16 公里，约 25 分钟；③出租车：约 50 元

酒店到厦门火车站路线：①公交：文曾花苑乘坐 52 路（8 站）至火车站南广场站下车步行 100 米到达；②驾车：6 公里约 12 分钟；③出租车：约 20 元

酒店到厦门北站路线：①公交：文曾花苑站乘坐 87 路（11 站）至厦门宾馆站 换乘地铁 1 号线往厦门北方向终点站下车；②驾车：28 公里，约 40 分钟；③出租车：约 82 元