

ISME-UMSO 2022

The 18th International Symposium on

Management Engineering &

Unconventional Modelling, Simulation and Optimization

December 17-18



Xiamen, Fujian
(Huaqiao University)

Welcome

This is the eighteenth symposium organized by International Society of Management Engineers (ISME international) to discuss on the present state of arts of "Management Engineering." Welcomes scholars seeking to acquire a deep understanding of innovation and knowledge theory and practice and aims to attract a leading international professional to share ideas on frontier topics concerning Digital technology, Modeling and simulation, Artificial intelligence and Machine learning, Environmental protection, New market finance and trade, Entrepreneurship and management, Sustainable development analysis and Fintech analysis, to promote profession advancement through collaboration on tools, processes, and methodologies, and to provide a platform for further communications among researchers. Please visit the following link for more detail: http://ismecip.org/files/CFP_ISME_UMSO2022.pdf.

Call for Papers

✓ General Chairs

- Prof. Junzo Watada Waseda University, Japan
- Prof. Xiuwu Zhang Huaqiao University, China
- Prof. Wenqi Duan Taizhou University, China

✓ Submission of Your Paper

| Important Date | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| Abstract Submission | March 01 – Sept. 30, 2022 | Final manuscript submission | Sept. 01 – Nov. 30, 2022 |
| Notification of acceptance | Sept. 01 – Nov. 30, 2022 | Registration Fee: | Free (On line) |

Papers are invited from prospective authors with interest on the related areas. Each paper should be written with title, authors' names, affiliation, email addresses, and 150-words abstract with keywords, and a one-column body in 12 pts. All papers **MUST** be submitted electronically in PDF format only via: isme2022@aliyun.com.

✓ **Papers Presented** at the conference will be selected for publication in: Technological Forecasting and Social Change(Indexed by SSCI), Journal of Innovation & Knowledge(Indexed by SSCI), Economic Research-Ekonomska Istraživanja(Indexed by SSCI), Int. J. of Environmental Research and Public Health (Indexed by SSCI), Emerging Markets Finance and Trade (Indexed by SSCI) and J. of Advanced Computational Intelligence and Intelligent Informatics (Indexed by EI/ESCI).

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Journal of Advanced
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and Intelligent Informatics

ISME-UMSO 2022 PROGRAM SCHEDULE

| | | |
|---|--|---|
| <p>December 17 9:00-9:25</p> | <p>Chaired by:</p> <p><i>Juying Zeng</i> Zhejiang University City College, China</p> | <p>(Tencent Meeting ID: 248450081)</p> <p>Opening Ceremony</p> <p><i>Xindong Zhao</i>, Huaqiao University, China <i>Ye Yong</i>, Taizhou University, China</p> |
| <p>December 17 9:30-10:15</p> | <p>Chaired by</p> <p><i>Juying Zeng</i> Zhejiang University City College, China</p> | <p>Keynote A</p> <p>Social Choice for Sustainable Environment Problems, and Building Fuzzy Transitivity Relation</p> <p><i>Junzo Watada</i> Waseda University, Japan</p> |
| <p>December 17 10:20-11:05</p> | <p>Chaired by</p> <p><i>Xiuwu Zhang</i> Huaqiao University, China</p> | <p>Keynote B</p> <p>Causal Relationships between China's INE and the International Mainstream Crude Oil Futures Prices</p> <p><i>Takashi Tamamine</i> Kagawa University, Japan</p> |
| <p>December 17 11:10-11:55</p> | <p>Chaired by</p> <p><i>Wenqi Duan</i> Taizhou University, China</p> | <p>Keynote C</p> <p>Revisiting safe-haven properties of gold and Bitcoin for crude oil and global stock markets: New evidence from COVID-19 crisis</p> <p><i>Yufeng Chen</i> Zhejiang Normal University, China</p> |

| TIME | Session 1 (Tencent Meeting ID: 653218117) Chair: Yanwu Chen <i>Assistant: Zezhong Hao, Haiming Ding</i> | Session 2 (Tencent Meeting ID: 155833421) Chair: Tingting Wang <i>Assistant: Jiangying Wei, Chao Dai</i> |
|-----------------------------------|---|---|
| December 17 14:00-16:30 | Industrial Chain Map and Linkage Network Characteristics of China's Digital Economy <i>--Yanwu Chen, Haiming Ding, Jun Ma</i> | Heterogeneous Learning of Functional Clustering Regression and Application to Chinese Air Pollution Data <i>--Wang Tingting, Qin Linjie, Dai Chao, Wang Zhen, Gong chenqi</i> |
| | The Impact of Industrial Digitalization on Quality Structure of Labor <i>--Zezhong Hao, Xiuwu Zhang</i> | On the nexus between digital financial inclusion and entrepreneurship promotion in China: Evidence from a quasi-natural experiment analysis <i>--Hongcheng Shen, Zhixiong Gao, Yenching Chuang</i> |
| | Digital Technology, R&D Innovation and Carbon Emissions: Evidence from China <i>--Yajun Liu, Yang Shen</i> | Can Big Data Empower Green Total Factor Productivity: Based on the Quasi-natural Experiment of the Big Data Experimental Zone <i>--Jiangying Wei, Xiuwu Zhang</i> |
| | The impact of digital transformation on low-carbon development of manufacturing in China <i>--Yanfang Lyu, Leifeng Zhang, Dong Wang</i> | Media-Corporation Relationship and Innovation in China: Help Hand or Hinder Hand <i>--Yu Shen</i> |
| | Empirical Analysis on the Impact of Restrictive Risks on China's Digital Services Trade Level <i>--Yanfang Lyu, Ruonan Fang, Dong Wang</i> | A study on the diagnosis and aggregation properties of multiple exchange rate bubbles in BRICS countries <i>--Wuliu Zhang, Qing Lv</i> |

| TIME | Session 3 (Tencent Meeting ID: 7723537944) Chair: Jian Wang <i>Assistant: Yang Shen, Liuchen Lai</i> | Session 4 (Tencent Meeting ID: 757893905) Chair: Qi Xiong <i>Assistant: Leifeng Zhang, Hang Yuan</i> |
|-----------------------------------|--|---|
| December 17 14:00-16:30 | Digital economy and factor market distortion: An empirical study of China's provincial panel data <i>--Yanfang Lyu, Yun Xiang, Dong Wang</i> | Research on price support policy effect in China from the perspective of food security <i>--Cui Li, Xiaoqing Xie</i> |
| | Analysis of the Spatial Impact of Chinese Provincial Innovation Efficiency on Green High-quality Development <i>--Yanwu Chen, Jun Ma, Haiming Ding</i> | Empirical Analysis of Key Industrial Policy's Effect on Export of the Manufacturing in China <i>--Bingqiang Li, Hongchun Lin, Jinzhi Li, Jing Yu, Xi Li, Jinzhou Lu, Chengbin Wang</i> |
| | Regional disparity and Convergence of China's Economic and Innovation Development: Based on Functional Data Analysis <i>--Dejin Zhao, Xiaming Tu, Xindong Zhao</i> | Financial Cycle and Effectiveness of Monetary Policy: A Comparative Study of Quantity-Based and Price-Based Instruments <i>--Xiaoqin Zheng, Wenli Xu, Dan Huang</i> |
| | The impact of Belt and Road Initiative on S&T innovation efficiency and its spatial spillover <i>--Jian Wang</i> | RCEP and China: An application of GE-PPML model to goods, services, and value chains <i>--Qi Xiong</i> |
| | Economic policy uncertainty, total factor productivity and net technical complexity of exports-From export market heterogeneity perspective <i>--Chengying He, Bao Feng, Ruijin Guo, Chengshuang Lv</i> | Transmission network of structural shocks with an application to China's monetary policy shocks <i>--Mucai Lin, Hang Yuan</i> |

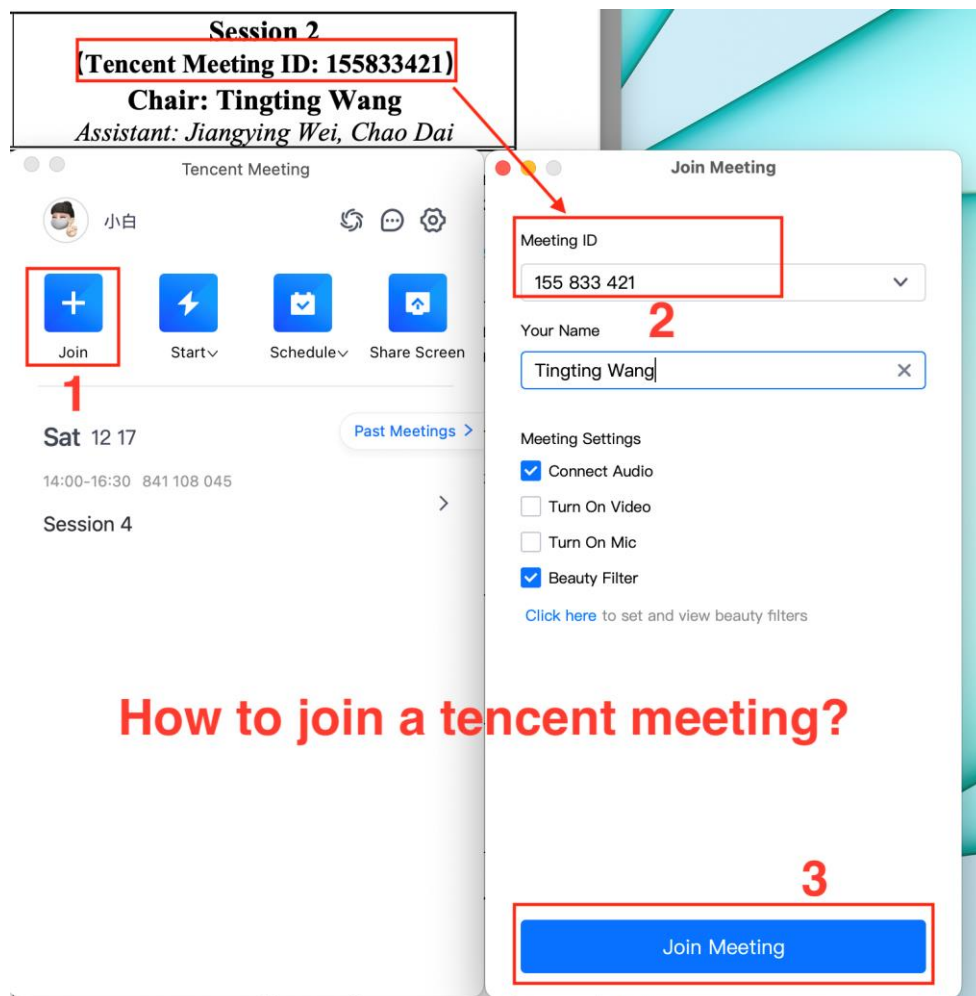
| TIME | Session 5 (Tencent Meeting ID: 896335792) Chair: Yanfang Lyu <i>Assistant: Linhui Zhao, Xiaoyang Guo</i> | Session 6 (Tencent Meeting ID: 941549535) Chair: Zeyang Li <i>Assistant: Weicong Wu, Yanting Xiong</i> |
|-----------------------------------|---|--|
| December 17 14:00-16:30 | Environmental regulation, innovation factor agglomeration and green economic efficiency <i>--Xiaoyang Guo, Zhang Xiuwu</i> | Middle-aged and elderly parental care for married children and willingness to give birth to the second child — Empirical test based on CFPS2018 <i>--Weicong Wu, Xindong Zhao</i> |
| | Indirect Economic Losses Evaluation of Flooding Using Input-Output Analysis: An application to China's Jiangxi Province <i>--Yanfang Lyu, Yun Xiang, Dong Wang</i> | The Impact of Population Aging on the Upgrading of Tertiary Industry internal Structure <i>--Dan Tang</i> |
| | Does Increasing Social Expenditure slow the long-term economic growth rate - Evidence from China <i>--Weize Xiao</i> | Research on the Influence and Mechanism of Charitable Donation on Individual Income Inequality <i>--Hexin Wu, Xiuwu Zhang</i> |
| | Analysis on the channel and heterogeneity of the impact of China-US trade frictions on China's trade interests <i>--Yanfang Lyu, Linhui Zhao, Dong Wang</i> | The Impact of Individual Heterogeneity on Household Asset Choice: An Empirical Study Based on CFPS <i>--Zeyang Li, Luyi Shen</i> |
| | The impact of regional business environment on the innovation capability of enterprises in the context of Digitalization <i>--Cui Li, Mingwang Hou, Yihui Peng</i> | Housing Price Impact and Enterprise Investment: Entrepreneur Confidence Mediation Perspective <i>--Chen Xiaochuan, Su Zhifang, Yang Haiyan</i> |
| | The Impact of Cultural Industry Development on Residents' Subjective Well-being - An Empirical Analysis Based on CHIP2018 Data <i>--Yanting Xiong</i> | Degree of Marketization, Government R&D input and Enterprise Innovation Level <i>--Jiaqing Zhang, Xindong Zhao</i> |

| TIME | Session 7 (Tencent Meeting ID: 659937106) Chair: Miao Zhu <i>Assistant: Jiaqing Zhang, Dejin Zhao</i> | Session 8 (Tencent Meeting ID: 782730772) Chair: Wenqi Duan <i>Assistant: Xi Chen</i> |
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| December 17 14:00-16:30 | Game Theory Approach to View the Difficulty of Healthcare Accessibility <i>--Weiwei Wang, Futian Weng, Yusheng Chen, Miao Zhu</i> | Reverse Cross-Listing and Valuation Effects: Based on the Perspective of Relative Industry Valuation <i>--Ying Yu</i> |
| | Forecasting VaR using the Real-time GARCH models with standardized two-sided Lindley distribution <i>--Guanghui Cai, Zhimin Wu</i> | Research on the social network search strategy from the viewpoint of comprehensive influence maximization <i>--Shumin Hu</i> |
| | Quantile Regression Models with Censored Data from Nested Case-Control Studies <i>--Huizhen Wang, Zhiping Qiu</i> | Research on Robust Optimization of Aviation Logistics Network under the Impact of COVID-19 <i>--Zherui Zhang</i> |
| | Machine learning-based identification of factors influencing enterprise digital transformation <i>--Changpeng Sui, Jiangying Wei</i> | Research on industrial development under dynamic competition <i>--Xi Chen</i> |
| | Spatial and temporal differences and Convergence of China's economic and Innovation Development: Based on functional data analysis <i>--Xindong Zhao, Dejin Zhao, Xiaming Tu</i> | A Practical Guide: Volatility forecasting in real estate firms of Malaysia before, during and after global financial crisis <i>--Leong-Mow Gooi</i> |
| | Which Should Enterprises Choose: Specialization or Diversification? - From the Perspectives of Theoretical and Empirical Analysis <i>--Kai Zhao, Yibing Hao, Yusheng Kao</i> | Coordination of logistics service supply chain with the CSR behavior and consumer feedback <i>--Xuehua Ji Shaochuan Fu</i> |

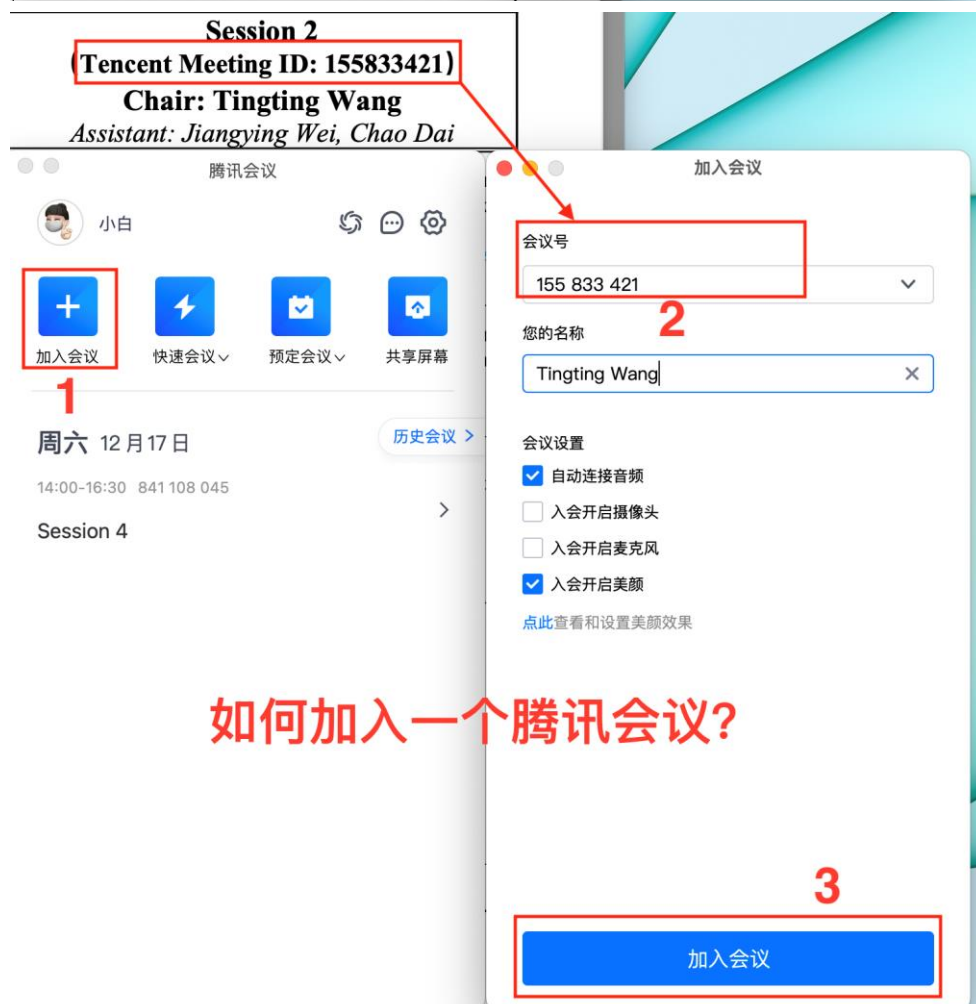
| TIME | Session 9 (Tencent Meeting ID: 927932843) Chair: Yong Ye <i>Assistant: Lizhen Huang</i> | Session 10 (Tencent Meeting ID: 791928400) Chair: Song Chen <i>Assistant: Yaohua Wang</i> |
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| December 17 14:00-16:30 | Realizing the environmentally sustainable environment through the efficacy of the Web 3.0 on the enhancing of the green knowledge sharing and supply chain resilience <i>-- Ping-Kuo Chen</i> | The impact of digital inclusive finance on the rural industries <i>--Song Chen, Meixu Ren, Chuanzhen, Li</i> |
| | Risk Assessment of Production Resumption Based on Multi-Level Fuzzy Evaluation Improved by BWM <i>--Ji Kai, Ming Liu</i> | Past Exposure, Risk Perception, and Risk-Taking during a Local COVID-19 Shock <i>--Chong Liu, Liya Liu, Zhang Lyv</i> |
| | The Allocation Method for Personal Protective Equipment in the Emerging Infectious Disease Environment <i>--Sha-lei Zhan, Xinyi Gu</i> | Whether green bonds could win a competitive edge on price in China's policy framework for carbon peak and carbon neutrality? <i>--Jiale Lian, Xiaohui Hou</i> |
| | A New Prediction and Optimization for Future Freight Structure Based on Optimal Control Theory after the COVID-19 <i>--Changxiang Lu</i> | How does competition in the venture capital market affect the success of startup firms? new mechanisms and new evidence <i>--Weiping Liang, Xiangyi Zhou</i> |
| | Identification of key risk factors and main preventive factors in burnout of orthopaedic surgeons by DEMATEL method <i>-- Yen-Ching Chuang, Huilin Tang, Chao Liu, Yanjun Jin, Zhong Zhu</i> | Does International Bank Linkages Increase Foreign direct investment? <i>--Cheng Yu, Yingfan Ge, Lijuan Xie, Yingfan Ge</i> |
| | Patient allocation method in major epidemics under fuzzy randomized conditions <i>--Yong Ye, Lizhen Huang</i> | Research and Application of Nonlinear Correlation Methods <i>--Xiaohui Chen, Li Zhang</i> |

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| December 17 16:30-17:00 | Chaired by Junzo Watada <i>Waseda University, Japan</i> | <p style="text-align: center;">(Tencent Meeting ID: 955221438)</p> <p style="text-align: center;">Closing Ceremony</p> <div> <i>Xiuwu Zhang</i> <i>Huaqiao University, China</i> </div> <div> <i>Wenqi Duan</i> <i>Taizhou University, China</i> </div> <div> <i>Junzo Watada</i> <i>Waseda University, Japan</i> </div> |
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How to join a Tencent Meeting?



How to join a tencent meeting?



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