

SESSION INFORMATION

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| Session 1A | FinTech Session Chair: Xiong Xiong, Tianjin University Zoom: 434 948 6789 PW: 202207 |
| July 21 15:40-17:10 | Spot Fishes at the Table: Tracking Retail Investors and Mutual Funds Return |
| | Presenter: Shen Lin, Tianjin University |
| | The Timing of Information Arrival Matters: Information Shocks and Asymmetric Market Reactions in China |
| | Presenter: Ya Gao, Dalian University of Technology |
| | Do Clean and Dirty Cryptocurrencies Connect with Financial Assets Differently? The Role of Economic Policy Uncertainty |
| | Presenter: Kun Duan, Huazhong University of Science and Technology |
| | A New Measure of Financial Literacy |
| Presenter: Xiangtong Meng, Tianjin University | |

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| Session 1B | Retailing Operations Session Chair: Ying Wei, Jinan University & Yi Yang, Zhejiang University Zoom: 219 314 4121 PW: 202207 |
| July 21 15:40-17:10 | Dynamic Inventory Control with Covariates: Risk Constraints, Regularization, and Folding-Horizon Plan |
| | Presenter: Shaochong Lin, The University of Hong Kong |
| | Reward-Based Crowdfunding vs. Initial Coin Offerings |
| | Presenter: Junming Hu, Zhejiang University |
| | Inroad into Omni-channel Retailing with Store Partners: Channel Structure and Fulfillment Mode |
| Presenter: Ying Wei, Jinan University | |

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| Session 1C | Revenue Management and Marketplace Analytics I Session Chair: Jiannan Ke, Wuhan University Zoom: 578 312 8176 PW: 202207 |
| July 21 15:40-17:10 | Information Enhanced Advertisement |
| | Presenter: Pin Gao, The Chinese University of Hong Kong, Shenzhen |
| | Multiple-purchase Choice Model Estimation and Optimization |
| | Presenter: Xun Zhang, Shanghai Jiao Tong University |
| | Interactions of Strategic Inventory and Contract Design on the Retail Platform's Entry in Logistics Service Sharing |

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| | Presenter: Xi Yang, Wuhan University |
| | Reformulations of Approximate Linear Programs for Finite-Horizon Markov Decision Processes |
| | Presenter: Jiannan Ke, Wuhan University |

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| Session 1D | Emerging Topics I Session Chair: Brian Han, University of Illinois at Urbana-Champaign Zoom: 438 754 9254 PW: 202207 |
| July 21 15:40-17:10 | The Choice Overload Effect in Online Recommender Systems: Theoretical Framework and Field Experiment |
| | Presenter: Jiankun Sun, Imperial College London |
| | How Do Ratings and Penalties Moderate Earnings on Crowdsourced Delivery Platforms? |
| | Presenter: Baile Lu, National University of Defense Technology |
| | On a Mallows-type Model for (Ranked) Choices |
| | Presenter: Yifan Feng, National University of Singapore |

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| Session 1E | Smart Decision for Supply Chain Management Session Chair: Yijie Peng, Peking University Zoom: 640 801 8439 PW: 202207 |
| July 21 15:40-17:10 | Government Intervention in Product Promotions: Collaborative Advertising or Subsidies? |
| | Presenter: Xinyue Cai, Tsinghua University |
| | Multi-Agent Deep Reinforcement Learning for Multi-Echelon Inventory Management Problems: Enhancing Profits and Alleviating Bullwhip Effect |
| | Presenter: Xiaotian Liu, Peking University |
| | Data-driven Joint Production-service Planning |
| | Presenter: Shuming Wang, University of Chinese Academy of Sciences |
| | Advance Notice of Diagnostic Service for Hospital Inpatients |
| | Presenter: Zheng Zhang, Zhejiang University |

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| Session 1F | Handling Emerging Complex Logistics and Energy Systems Session Chair: Wei Qi, McGill University Zoom: 603 601 5553 PW: 202207 |
| July 21 15:40-17:10 | The Pickup and Delivery Problem with Time Windows and Incompatibility Constraints in Cold Chain Transportation |
| | Presenter: Chun Cheng, Dongbei University of Finance and Economics |
| | Stochastic Traveling Salesman Problem with Drone |
| | Presenter: Hang Zhou, Huazhong University of Science and Technology |
| | Optimal Energy and Reserve Scheduling in a Renewable-Dominant Power |

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| | System |
| | Presenter: Zihao Jiao, Beijing Technology and Business University |
| | Crowdsourcing Electric Mobility for Omni-Sharing Distributed Energy Resources |
| | Presenter: Wenqing Ai, Tsinghua University |

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| Session 1G | Information Systems in the Digital Economy Session Chair: Shaohui Wu, Harbin Institute of Technology Zoom: 875 163 7595 PW: 202207 |
| July 21 15:40-17:10 | Quantifying the Value of Heterogeneous Preference: An Empirical Matching Model of Peer-to-Peer Lending |
| | Presenter: Yang Jiang, Nanjing University |
| | To Hinder or to Facilitate: Retailers' Strategy of Consumer Information Sharing and Target Segment |
| | Presenter: Buqing Ma, University of Science and Technology of China |
| | A Study of the Relationship between Personality Traits and Willingness to Pay in Financial Knowledge |
| | Presenter: Qixing Qu, University of International Business and Economics |
| | How Coupon Characteristics Affect Coupon Acquisition: The Moderating Roles of Online Word-of-mouth and Offline Agglomeration |
| Presenter: Shaobo Wei, Hefei University of Technology | |

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| Session 2A | Stochastic Simulation and Optimization Session Chair: Jun Luo, Shanghai Jiao Tong University and Zhaolin Hu, Tongji University Zoom: 434 948 6789 PW: 202207 |
| July 22 7:00-8:30 | Irreversible Investment with Random Delay and Partial Prepayment |
| | Presenter: Yingda Song, Shanghai Jiao Tong University |
| | Kernel Packet: An Exact and Scalable Algorithm for Gaussian Process Regression |
| | Presenter: Liang Ding, Texas A&M University |
| | Managing Hospital Inpatient Beds under Clustered Overflow Configuration |
| | Presenter: Xuran Gong, Shanghai Jiao Tong University |
| | Estimating the Maximum Mean: An Upper Confidence Bound Approach |
| Presenter: Kun Zhang, Renmin University of China | |

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| Session 2B | Data, Learning and Decision I Session Chair: Yiwei Wang, Zhejiang University Zoom: 219 314 4121 PW: 202207 |
| July 22 7:00-8:30 | Learning to Schedule in Time-Varying Multiclass Many Server Queues with Abandonment |
| | Presenter: Yueyang Zhong, Chicago Booth |

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| | Sample Complexity of Policy Learning for Newsvendor with Censored Demand |
| | Presenter: Xiaoyu Fan, New York University |
| | Does Customer Email Engagement Improve Profitability? Evidence from a Field Experiment in Subscription Service Retailing |
| | Presenter: Yiwei Wang, Zhejiang University |
| | Output-Oriented Subsidy Design to the Agriculture Industry |
| | Presenter: Yuanchen Li, Tongji University |

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| Session 2C | Revenue Management and Marketplace Analytics II Session Chair: Xiaolong Li, National University of Singapore Zoom: 578 312 8176 PW: 202207 |
| July 22 7:00-8:30 | Online Advertisement Allocation Under Customer Choices and Algorithmic Fairness |
| | Presenter: Xiaolong Li, National University of Singapore |
| | Dynamic Pricing-and-learning Algorithms for Multiple Products with Reference Price Effects |
| | Presenter: Sheng Ji, Zhejiang University |
| | Incentive Design and Pricing under Limited Inventory |
| | Presenter: Ruiting Zuo, The Hong Kong University of Science and Technology |
| | Online Facility Location |
| Presenter: Wei Qi, McGill University | |

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| Session 2D | Digital Economy I Session Chair: Wei Wei, University of Massachusetts Amherst Zoom: 438 754 9254 PW: 202207 |
| July 22 7:00-8:30 | Wanghong Economy-The Psychological States and Engagement of Live-Streamers |
| | Presenter: Bin Ding, Xi'an Jiaotong-liverpool University |
| | Allocation of Funds in Bilevel Subsidy Welfare Programs |
| | Presenter: Wei Wei, University of Massachusetts Amherst |
| | Improving Consumer Welfare in Vaccine Market: Pricing, Government Subsidies and Consumer Awareness |
| | Presenter: Danni Xu, Sun Yat-sen University |
| | Implications of Worker Classifications in Gig Economy |
| Presenter: Zhoupeng Zhang, University of Toronto | |

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| Session 2E | Design, Inventory, and Market Analysis Session Chair: Weiwei Chen, Rutgers University Zoom: 640 801 8439 PW: 202207 |
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| July 22 7:00-8:30 | Investigating the New Entrant Effect in the O2O Market |
| | Presenter: La Ta, Central University of Finance and Economics |
| | Adaptive Design for Controllability of Complex Systems Using Optimal Computing Budget Allocation |
| | Presenter: Jiang Li, Harbin Institute of Technology |
| | The Recruitment Stocking Problem Revisited: Evaluation and Optimization |
| | Presenter: Gul Culhan Kumcu, Rutgers University |
| | Operating Food Safety: Coordinating Inventory |
| Presenter: Rongjinzi Wang, Peking University | |

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| Session 2F | Data, Learning and Decision II Session Chair: Sheng Liu, University of Toronto Zoom: 603 601 5553 PW: 202207 |
| July 22 7:00-8:30 | Learning Consumer Preferences from Bundle Sales Data |
| | Presenter: Setareh Farajollahzadeh, University of Toronto |
| | Planning Bike Lanes with Data: Ridership, Congestion, and Path Selection |
| | Presenter: Jingwei Zhang, University of California, Los Angeles |
| | Dimension Reduction in Contextual Online Learning via Nonparametric Variable Selection |
| | Presenter: Wenhao Li, University of Toronto |
| | Capacitated SIR Model with an Application to COVID-19 |
| Presenter: Chaoyu Zhang, University of Toronto | |

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| Session 2G | Healthcare Session Chair: Yue Hu, Columbia University Zoom: 875 163 7595 PW: 202207 |
| July 22 7:00-8:30 | Prediction-Driven Surge Planning with Application in the Emergency Department |
| | Presenter: Yue Hu, Columbia University |
| | Controlling Epidemic Spread: Reducing Economic Losses with Targeted Closures |
| | Presenter: Yiding Feng, Microsoft Research |
| | Emergency Care Access vs. Quality: Uncovering Hidden Consequences of Fast-Track Routing Decisions |
| | Presenter: Shuai Hao, University of Illinois at Urbana-Champaign |
| | A Cost-Effective Personalized Liver Cancer Surveillance Policy for Hepatitis C-Infected Patients |
| Presenter: Dian Xiao, Zhejiang University | |

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| Session 3A | Data, Learning and Decision III Session Chair: Zaile Li, Fudan University Zoom: 434 948 6789 PW: 202207 |
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| <p style="text-align: center;">July 22 15:00-16:30</p> | The (Surprising) Rate Optimality of Greedy Procedures in Solving Large-Scale Ranking and Selection |
| | Presenter: Zaile Li, Fudan University |
| | An Intelligent End-to-End Neural Architecture Search Framework for Electricity Forecasting Model Development |
| | Presenter: Jin Yang, Harbin Institute of Technology |
| | Rate-Optimal Ranking and Selection with Covariates |
| | Presenter: Jianzhong Du, Fudan University |
| | Enhancing Ranking and Selection through A Smart First-stage Sample-size |
| Presenter: Xuewen Li, Tongji University | |

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| Session 3B | <p>Operations Research and Management Science Session Chair: Songsong Liu, Harbin Institute of Technology Zoom: 219 314 4121 PW: 202207</p> |
| <p style="text-align: center;">July 22 15:00-16:30</p> | How COVID-19 Pandemic Affects Organizational Risk Management? A Prospective of Prospect Theory |
| | Presenter: Wei-Shiun Chang, Cheng Kung University |
| | A Mathematical Programming-based Solution Method for the Nonstationary Inventory Problem under Correlated Demand |
| | Presenter: Mengyuan Xiang, Xi'an Jiaotong-Liverpool University |
| | Advances in Planning and Scheduling Applications for Complex Petroleum Industry |
| | Presenter: Xiaoyong Gao, China University of Petroleum-Beijing |
| | Disruption Recovery for the Pickup and Delivery Problem with Time Windows—A Scenario-based Approach for Online Food Delivery |
| Presenter: Yuzhen Hu, Harbin Engineering University | |

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| Session 3C | <p>Revenue Management and Marketplace Analytics III Session Chair: Lixian Qian, Xi'an Jiaotong-Liverpool University Zoom: 578 312 8176 PW: 202207</p> |
| <p style="text-align: center;">July 22 15:00-16:30</p> | Spatial Network Effect of Charging Stations on Electric Vehicle Adoption: Evidence from Tesla |
| | Presenter: Lixian Qian, Xi'an Jiaotong-Liverpool University |
| | Component Pricing with a Bundle Size Discount |
| | Presenter: Chun Wang, Tsinghua University |
| | Picking Winners: Diversification through Portfolio Optimization |
| | Presenter: Liu Ju, South China University of Technology |
| | Performance Enhancement in Two-stage Innovation Contest: Feedback and Elimination Schemes |
| Presenter: Peng Luo, Shenzhen University | |

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| Session 3D | Digital Tourism Session Chair: Xianwei Liu, Harbin Institute of Technology Zoom: 438 754 9254 PW: 202207 |
| July 22 15:00-16:30 | Recovering Hotel Revenue Performance from the Social Media Complaints Crisis: the Case of Hygiene Horrors in China Presenter: Bin Fang, Xiamen University |
| | Tit for Tat: Understanding the Responding Behavior of Property Hosts on Peer-to-peer Rental Platforms Presenter: Sai Liang, Nankai University |
| | Effects of Cultural Consistency on Guest-host Interactions for Online Experiences Presenter: Chunhong Li, Sun Yat-sen University |

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| Session 3E | Supply Chain Management I Session Chair: Shuxia Peng, Tianjin University Zoom: 640 801 8439 PW: 202207 |
| July 22 15:00-16:30 | Bilateral Liability-based Contracts in Sewage Disposal Outsourcing with Environmental Regulation Consideration Presenter: Jiaxin Wang, Central South University |
| | Presence of Piracy and Legal protection: Decisions in Digital Goods Market Under Different Contracts Presenter: Shuxia Peng, Tianjin University |
| | The role of Information Validity on Greenwashing through Blockchain in Capital-constrained Supply Chain Presenter: Minxue Wang, Tianjin University |
| | Supply chain residence in a global pandemic: Empirical evidence from China Presenter: Yumiao Tian , Xi'an Jiaotong-liverpool University |

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| Session 3F | Transportation and Logistics Session Chair: Kai Wang, Tsinghua University Zoom: 603 601 5553 PW: 202207 |
| July 22 15:00-16:30 | The Robust Team Orienteering Problem with Decreasing Profits Presenter: Qinxiao Yu, Civil Aviation University of China |
| | Bike-sharing Inventory Management for Market Expansion Presenter: Chenyi Fu, National University of Singapore |
| | A Vehicle Pre-allocation Problem with Independent Drivers Presenter: Bomin Bian, National University of Singapore |
| | Routing Optimization with Vehicle-Customer Coordination Presenter: Kai Wang, Tsinghua University |

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| Session 3G | Information Systems I Session Chair: Liye Wang, Communication University of China Zoom: 875 163 7595 PW: 202207 |
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| July 22 15:00-16:30 | Reward or punishment? Strategies of Stakeholders in the Recycling Utilization of Waste based on Evolutionary Game Analysis |
| | Presenter: Zhiqi Wang, University of Jinan |
| | Impact of Sponsored Data Plan on Pricing and Service Quality for Competing Mobile Telecom Carriers under Cross-Side Network Effects |
| | Presenter: Chongkai Wang, Tianjin University |
| | Mapping Entertainment Products in the Pre-Production Phase |
| | Presenter: Ting Yang, Renmin University of China |
| | Please Don't Make Me Wait! Influence of Customers' Waiting Preference and No-Show Behavior on Appointment Systems |
| Presenter: Ruijie Zhang, Singapore Management University | |

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| Session 3H | FinTech, Innovation and Risk Management Session Chair: Yongqiang Meng, Tianjin University Zoom: 849 082 5091 PW: 202207 |
| July 22 15:00-16:30 | When your neighborhood is infected with Covid-19 |
| | Presenter: Rong Liu, Tianjin University |
| | A study of systemic risk based on tail volatility spillover networks: evidence based on extreme market volatility dependence |
| | Presenter: Qing Liu, Shanghai Jiao Tong University |
| | Housing speculation and entrepreneurship |
| | Presenter: Yichu Wang, Tsinghua University |
| | Regional Economic Growth and Unbalanced Development under Digitalization: A Perspective from Spatial Spillover Effect |
| Presenter: Hongbo He, Hunan University | |

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| Session 4A | Digital Economy II Session Chair: Tengfei Guo, Tianjin University Zoom: 434 948 6789 PW: 202207 |
| July 22 16:30-18:00 | Exclusive Strategy in Content Platforms: The Role of Consumer Preference Distribution |
| | Presenter: Tengfei Guo, Tianjin University |
| | Social Media Platform's Disclosure Policy on Engagement Metrics in the Presence of Fake Engagements |
| | Presenter: Wenfan Zhao, Tianjin University |
| | The Impact of Situational Effects on Online Food Delivery Sales |
| | Presenter: Hongying Zhao, Harbin Institute of Technology |
| | Regional Economic Growth and Unbalanced Development under Digitalization: A Perspective from Spatial Spillover Effect |
| Presenter: Hongbo He, Hunan University | |

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| Session 4B | Digital Economy III Session Chair: Zheng Chai, Tianjin University |
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| | Zoom: 219 314 4121 PW: 202207 |
| July 22 16:30-18:00 | When Does a Digital Platform Benefit from Non-Exclusivity of the First-Party Product in a Competitive Market? Impact of the Product Network Effect Presenter: Zheng Chai, Tianjin University |
| | Information-Sharing Service Decision of the Retailing Platform in the Presence of Network Effects Presenter: Danyu Liang, Tianjin University |
| | A Study of Systemic Risk based on Tail Volatility Spillover Networks: Evidence based on Extreme Market Volatility Dependence Presenter: Qing Liu, Shanghai Jiao Tong University |
| | Building Trust in Accommodation Sharing Economy: The Role of Consistent User- and Marketer-Generated Content Presenter: Yanan Shi, Tianjin University |

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| Session 4C | Supply Chain and Data Analysis Session Chair: Derui Wang, Fudan University Zoom: 578 312 8176 PW: 202207 |
| July 22 16:30-18:00 | Supply Chain Management Involving Socially Responsible Firms Presenter: Xiuyi Zhang, Tsinghua University |
| | Competitive Trading in Forward and Spot Markets Under Yield Uncertainty Presenter: Derui Wang, Fudan University |
| | Consumer Search with Anticipated Regret Presenter: Mengyan Zhu, Zhejiang University |
| | Deep Reinforcement Learning for Dynamic Bandwidth Allocation in Weighted Fair Queues Presenter: Jinyan Pan, Sun Yat-Sen University |

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| Session 4D | Emerging Topics II Session Chair: Jin Yang, Harbin Institute of Technology Zoom: 438 754 9254 PW: 202207 |
| July 22 16:30-18:00 | Unequal Age-based Household Carbon Footprint in China Presenter: Yalei Cui, Tianjin University |
| | A Simulation-Based Method for Estimating Systemic Risk Measures Presenter: Yi Zhou, University of Science and Technology of China |
| | Strategic Driver Behavior and Cognitive Hierarchy in On-demand Platforms Presenter: Xiaojing Feng, Southwestern University of Finance and Economics |
| | Variance Swaps with Mean Reversion, Multi-factor Variance and Levy Jumps Presenter: Bin Wu, University of Science and Technology of China |

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| Session 4E | Supply Chain Management II Session Chair: Jiaqi Lu, The Chinese University of Hong Kong, Shenzhen |
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| | Zoom: 640 801 8439 PW: 202207 |
| July 22 16:30-18:00 | Combined Pricing and Inventory Control with Multiple Unreliable Suppliers Presenter: Jiaqi Lu, The Chinese University of Hong Kong, Shenzhen |
| | Pricing Strategy Considering Social Media Advertising in Omni-Channel Supply Chain Presenter: Donghui Yang, Southeast University |
| | Live-streamer as A Selling Agent: Is Sales Commitment Profitable? Presenter: Jing Yu, Tsinghua University |
| | Competition and Cooperation in the Ecological Chains Presenter: Min Liu, Tsinghua University |

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| Session 4F | Transportation and Machine Learning Session Chair: Yaping Li, Tianjin University Zoom: 603 601 5553 PW: 202207 |
| July 22 16:30-18:00 | Multi-objective Multi-Depot Green Vehicle Routing Problem with Time Windows Considering Customer Heterogeneity and Time Sensitivity Presenter: Xiufeng Li, Tianjin University |
| | An Novel Approach to Promote Consumers Repurchase Using Random Forest Algorithm: Predictive Model Design and Utility Evaluation Presenter: Yanhong Chen, Harbin Institute of Technology |
| | (Un)Fair Machine Learning Algorithms in Two-sided Markets Presenter: Yaping Li, Tianjin University |