SESSION INFORMATION

SESSION 1A
July 30th
13:00-14:30
Room: S203

Retailing Operations
Session Chair: Ying Wei

1. The Impact of Trade Credit on Information Sharing in a Supply Chain
   Presenter: Wang Ce
2. Impact of Strategic Inventory on the Contract Design of Logistics Service Sharing in a Retail Platform
   Presenter: Yang Xi
3. Pooling or separating? Positioning inventory for omnichannel retailing operations
   Presenter: Ying Wei
4. Right to Repair: Pricing, Welfare, and Environmental Implications
   Presenter: Chen Jin

SESSION 1B
July 30th
13:00-14:30
Room: S204

OM-Marketing Interface I
Session Chair: Xiaole Wu

1. Rawlsian fairness in push and pull supply chains
   Presenter: Yanmin Jiang
2. Merger Decisions Among Competitors: Impact of Limited Capacity and Loyal Segments
   Presenter: Derui Wang
3. Brand Spillover as a Marketing Strategy
   Presenter: Yu Zhou
4. Managing Multi-Rooming: Why Uniform Price Can Be Optimal for a Monopoly Retailer
   Presenter: Yue Dai

SESSION 1C
July 30th
13:00-14:30
Room: S208

Behavior/Sustainable Operations
Session Chair: Xuan Zhao

1. Transshipment Between Overconfident Newsvendors
   Presenter: Li Jialu
2. Environmental Responsibility: Impact of Waste-Sorting Regulation on Secondary Markets
   Presenter: Qiang Li
3. Cognitive Bias in Demand Forecasting: A Blessing or a Curse?
   Presenter: Zheng Yini
4. Designing Multidimensional Auction with Loss-averse Workers In Online Labor Markets
   Presenter: Xianghua Wu

SESSION 1D
July 30th
13:00-14:30
Room: S209

Topics in Retailing and Sharing Economy
Session Chair: Yong Liang

1. Offline-Channel Planning in Smart Omnichannel Retailing
   Presenter: Hao Shen
2. Consumer Choice Modeling via Operational Data Analytics
   Presenter: Mengying Xue
3. Green Packaging or Greenwashing? Implication of Bring-your-own-container
   Presenter: Yunlong Peng
4. Quality and quantity tradeoff of on-demand service platforms with congestion-sensitive customers
   Presenter: Yunzhi Wu

SESSION 1E
July 30th
13:00-14:30
Room: S210

OM in Platform Economy I
Session Chair: Liu Ming

1. Estimating and Exploiting the Impact of Photo Layout: A Structural Approach
   Presenter: Weiming Zhu
2. Skilled Worker Turnover on On-demand Service Platforms: Evidence and Prescriptions from Caregiver Markets
   Presenter: Wenchang Zhang
3. An experimental investigation of target rebate contract for product returns
   Presenter: Yue Cheng
4. The platform's optimal salary strategy and order allocation mechanism design under the gig economy
   Presenter: Tao Zhiying

SESSION 1F
July 30th
13:00-14:30
Room: S303

COVID-19 Related Operational Issues
Session Chair: Rowan Wang

1. Divide and Conquer: A Hygienic, Efficient, and Reliable Assembly Line for Housekeeping
   Presenter: Rowan Wang
2. How the Covid-19 Pandemic Affects Work Resumption and Productivity: Evidence from China
   Presenter: Shuyu Xue
3. Fly with Us When They Cancel Your Flight: An Innovative Business Model to Utilize Perishable Service Capacity
   Presenter: Rowan Wang

SESSION 1G
July 30th
13:00-14:30
Room: S304

Operations in Pandemic
Session Chair: Guangwen Kong

1. No Panic in Pandemic: The Impact of Individual Choice on Public Health Policy and Vaccine Priority
   Presenter: Miao Bai
2. Hospital Admission and Social Distancing: An SEIR Model with Constrained Medical Resources
   Presenter: Zhiyuan Chen
3. Capacitated SIR Model with an Application to COVID-19
   Presenter: Chaoyu Zhang
4. The Impact of COVID-19 on Supply Chain Credit Risk
   Presenter: Ziang Wang

SESSION 1H
July 30th
13:00-14:30
Room: S308

Internet-Plus Logistics and Supply Chain Operations Management
Session Chair: Min Huang

1. A two-stage stochastic winner determination model integrating a hybrid mitigation strategy for transportation service procurement auctions
   Presenter: Xiaohu Qian
2. The flexible truckload pickup and delivery problem considering reserved orders and fuel consumption
   Presenter: Hui Zhang
3. Supply Chain Network Design Considering Customer Psychological Behavior- A 4PL Perspective
   Presenter: Hanbin Kuang
4. Build or join a sharing platform? The choice of manufacturer's sharing mode
   Presenter: Yu Zhang

SESSION 1I

Simulation　　　　　　　　　　　　　　　**Session Chair:** Yijie Peng

July 30th
13:00-14:30
Room: S309

❶ Decomposed Simulation Optimization of Cancer Screening Strategies with Random Observations
Presenter: Zheng Zhang

❷ Asymptotically Optimal Sampling Policy for Selecting Top-m Alternatives
Presenter: Gongbo Zhang

❸ Solving Large-Scale Fixed-Budget Ranking and Selection Problems
Presenter: Ying Zhong

❹ Estimating Confidence Intervals and Regions for Quantiles by Monte Carlo Simulation
Presenter: Lei Lei

SESSION 1J

Data Analytics in Service and Manufacturing System　　　**Session Chair:** Jie Song / Jianguo Wu

July 30th
13:00-14:30
Room: S310

❶ The Credit Assessment Approach for Chinese Companies based on the Bigdata Method
Presenter: George Yuan

❷ Iterative Hypothesis Testing for Period Estimation of Noisy Signals via Dynamic Significance Levels
Presenter: Yongxiang Li

❸ A Permutation-Dependent Separability Approach for Capacitated Two-Echelon Inventory Systems
Presenter: Xiaobei Shen

❹ Optimal Dynamic Decisions under Uncertain Covariates
Presenter: Fan Zhang

❺ Efficient and Interpretable Monitoring of High-Dimensional Categorical Processes
Presenter: Kai Wang

SESSION 1K

FinTech, Innovation and Risk Management I　　　　　**Session Chair:** Junqing Zuo

July 30th
13:00-14:30
Room: S207

❶ The Economic Consequences of Corporate Integrity: Evidence from Corporate Responsibility for Employees
Presenter: Junqing Zuo

❷ Research on the Scale Constraints of Short-selling in China's Capital Market
Presenter: Rongtian Zhou

❸ Limited attention and mobile technology: the role of screen size
Presenter: Haibo Wu

❹ Investor attention and Information Asymmetry: Evidence from China
Presenter: Xing Chen

SESSION 2A

Supply Chain Finance and Crowdfunding　　　　　**Session Chair:** Wenhui Zhao

July 30th
14:45-16:15
Room: S203

❶ Quality Signaling through Crowdfunding Pricing
Presenter: Ehsan Bolandifar

❷ Investment Strategies for Sourcing a New Technology in the Presence of a Mature Technology
Presenter: Wei Zhang

❸ Blockchain-Enabled Digital Voucher Financing and Transfer in a Three-Level Supply Chain
Presenter: Xiangfeng Chen

❹ Ordering and interest rate strategies in platform finance with an overconfident e-commerce retailer
Presenter: Yang Yang

SESSION 2B

Operations and Supply Chain Management I　　　　　**Session Chair:** Xu Guan

July 30th
14:45-16:15
Room: S204

❶ Downstream Information Sharing and Sales Channel Selection in a Platform Economy
Presenter: Guo Li

❷ Exclusive Selling: Impact on Make-or-Buy Decisions and on Investment in Internal Capability Improvement
Presenter: Mao Yuan

❸ Information Acquisition with Advertising Threshold Effect under Manufacturer Encroachment
Presenter: Song Huang

❹ Smart Navigation via Strategic Communications in a Mixed Autonomous Paradigm
Presenter: Yonghui Chen

❺ Rebate competition and contract selection in platform selling
Presenter: Yuan Jiang

SESSION 2C

Data Science and Decision　　　　　　　　**Session Chair:** Zhaolin Hu

July 30th
14:45-16:15
Room: S208

❶ Cluster Sampling for Morris Method Made Easy
Presenter: Wen Shi

❷ Adaptive Importance Sampling for Efficient Stochastic Root Finding and Quantile Estimation
Presenter: Guangxin Jiang

❸ Multivariate Spatial-Temporal Modeling with Latent Low-Dimensional Dynamics
Presenter: Xin Yun

❹ Robust Bayesian hierarchical modeling and inference using scale mixtures of normal distributions
Presenter: Linhan Ouyang

SESSION 2D

Information and Sharing in Service Operations　　　　**Session Chair:** Jianfu Wang

July 30th
14:45-16:15
Room: S209

❶ Strategic Inventory, Network Externality and Copycats
Presenter: Allen Wu

❷ Economic Behavior of Information Acquisition: Impact on Peer Grading in MOOCs
Presenter: Dongyuan Zhan

❸ Share or Solo? Individual and Social Choices in Ride-Hailing
Presenter: Hengda Wen

❹ Design of Covid-19 Testing Queues
Presenter: Zhongbin Wang

SESSION 2E

Topics in Marketplace Analytics　　　　　　**Session Chair:** Yufeng Cao

July 30th
14:45-16:15
Room: S210

❶ Dynamic Pricing for Two-sided Marketplaces with Offer Expiration
Presenter: Yufeng Cao

❷ Optimal Pricing in Two-sided Markets with Positive or Negative Network Effects
Presenter: Tengfei Guo

SESSION 2F
July 30th
14:45-16:15
Room: S303

Analysis and Decision Making in Supply Chain and Blockchain   Session Chair: Lianmin Zhang / Lixiang Li

1. Pricing Optimization and Competition under the Linear Nested Stochastic Choice Model
   Presenter: Lixiang Li
2. What Do Institutional Investors Bring to Initial Coin Offerings(ICOs)?
   Presenter: Siyi Wang
3. Token Sales Design under Network Effect
   Presenter: Zhao Liu
4. Competition and Cooperation in Co-product Supply Chain: Stable Procurement Alliances
   Presenter: Yangyang Peng

SESSION 2G
July 30th
14:45-16:15
Room: S304

Topics in Data, Learning, and Decisions I   Session Chair: Yongzhen Li

1. Supermodularity in Two-Stage Distributionally Robust Optimization
   Presenter: Aiqi Zhang
2. Data Driven Feature-Based Newsvendor: A Distributionally Robust Approach
   Presenter: Mingyang Fu
3. Data-driven Robust Product Design under Uncertain Correlated Consumer Preferences
   Presenter: Yongzhen Li
4. Coordinating Electric Vehicle Charging Station Installation between the Government and Automakers
   Presenter: Musen Li
5. Resource Allocation in Correlated Competitions
   Presenter: Jiahao He

SESSION 2H
July 30th
14:45-16:15
Room: S308

Emerging Topics in Urban Transportation and Logistics   Session Chair: Lindong Liu

1. Generating Delivery Plan in Real Time for Vehicle Routing Problem with Dynamic Orders before Cut-off time
   Presenter: Xiaoying Gou
2. The effect of Trust Mechanism Level in a reverse supply chain
   Presenter: Yuqing Liang
3. Stable matching for Integrating Ridesharing and Public Transit on a Mobility-as-a-Service Platform
   Presenter: Wu Yating
4. Commercializing the Package Flow: Cross-sampling Physical Products Through E-commerce Warehouses
   Presenter: Brian RQ Han

SESSION 2I
July 30th
14:45-16:15
Room: S309

Simulation Analytics for Port and Logistics   Session Chair: Xiao Jin / Xinhu Cao

1. A distributed and high-fidelity simulation system for automated container terminal
   Presenter: Xiaoming Yang
2. A general 3D discrete event simulation (DES) framework for automated container terminals
   Presenter: Tianshun Shi
3. Combined putaway and picking strategies in a third-party warehouse of retail chain stores
   Presenter: Xuefei Liu
4. Simulation with Learning and Optimization – Three Carriages Driving the Development of Intelligent Digital Twins for Port Applications
   Presenter: Haobin Li

SESSION 2J
July 30th
14:45-16:15
Room: S310

Service and Manufacturing System   Session Chair: Kai Wang

1. Impact of Fine-grained Service Quality on Service Reputation and Passenger Flow in Tourism Services
   Presenter: Zhen Li
2. Service Rate Decision in Experienced Products Considering Conformity Effect
   Presenter: Ruohua Wang
3. Warranty cost optimization for deteriorating products considering limit maintenance time
   Presenter: Ting Li
4. Price and Quality Decision in the Presence of Information Sharing
   Presenter: Danyu Liang

SESSION 2K
July 30th
14:45-16:15
Room: S207

Information, Incentives and Behaviors   Session Chair: Qiao-Chu He

1. Policy Implementation in the Presence of Platform-Retailer Conflict
   Presenter: Xingyu Fu
2. Incentive Carbon Emission Reduction: Is certification rule the answer?
   Presenter: Qingye Wu
3. Impact of Tariffs and Price Premiums of Locally Manufactured Products on Global Manufacturers' Sourcing Strategies
   Presenter: Kanglin Chen
4. Advance Selling and Upgrading in Priority Queues
   Presenter: Yaolei Wang

SESSION 3A
July 30th
16:30-18:00
Room: S203

OM-Marketing Interface III   Session Chair: Di Wu

1. Probabilistic Selling and Secondary Market
   Presenter: Di Wu
2. Conspicuous Consumption in Primary, Secondary and Rental Markets
   Presenter: Di Wu
3. Promotion and Distribution Strategies in a Retail Platform Supply Chain under Demand Uncertainty
   Presenter: Yuwen Du
4. Managing return policies with consumer resale
   Presenter: Yong Lei
5. Optimal Product Introduction Strategies in the Presence of Price Signals
   Presenter: Yalan Zhu

SESSION 3B
July 30th
16:30-18:00
Room: S204

OM under New Retailing and Data-driven Intelligent Management   Session Chair: Mingzheng Wang

1. Let Artificial Intelligence Be Your Shelf Watchdog: The Impact of AI-powered Shelf Monitoring on Product Sales
   Presenter: Liqiang Huang
2. Channel Structures of Online Retail Platforms
   Presenter: Shilu Tong
3. Sponsored Search Advertising with Non-Monotonic-Decreasing Distribution of Click-Through-Rate: Equilibrium Analysis, Impact Investigation
   Presenter: Yun Zhou
4. The Incentive Mechanism between the Social E-commerce Company and the Farmers' Cooperative: Consumers Behavior, Technology Choice, and Profit Sharing
   Presenter: Zizhuo Wang

SESSION 3D

Operational Approaches in E-commerce Platform I

Session Chair: Zhen Chen

July 30th
16:30-18:00
Room: S209

1. Endogenous credit guarantee for supplier finance with bankruptcy cost
   Presenter: Chaocheng Gu
2. A chance-constrained programming approach for a cash-flow stochastic inventory problem
   Presenter: Zhen Chen
3. Hedging Inventory Risk by Information Crowdsourcing
   Presenter: Yi Yang
4. The Implications of Capacity Sharing Based on Platform for Strategy of Manufacturers Providing Digital Services
   Presenter: Xinyue Tan
5. Revenue Management under a Fare Alert Mechanism
   Presenter: Nanxi Zhang

SESSION 3E

Topics in Revenue Management I

Session Chair: Jiwen Ge

July 30th
16:30-18:00
Room: S210

1. Selling to mom and pop: Optimizing supplier sales effort in emerging markets
   Presenter: Jiwen Ge
2. Profit or Growth? Dynamic Order Allocation in a Hybrid Workforce
   Presenter: Eryn Juan He
3. Off-Platform Threats in On-Demand Services
   Presenter: Eryn Juan He
4. Social Nudges Boost Production on Online Platforms: Field Experiments and Network Modeling
   Presenter: Zhiyu Zeng

SESSION 3F

Industry Applications

Session Chair: Tianhu Deng

July 30th
16:30-18:00
Room: S303

1. Understanding construction companies' intention to use BIM: the perspective of Manager's perceived value
   Presenter: Rui Li
2. Digital Twin: What It Is, Why Do It, Related Challenges, and Research Opportunities for Operations Research
   Presenter: Lu Wang
3. Capacity Allocation and Scheduling Control for Service Systems with Unknown Customers' Patience
   Presenter: Lun Yu

SESSION 3H

Operations in Transportation

Session Chair: Ning Zhu

July 30th
16:30-18:00
Room: S308

1. A two-stage robust approach to integrated station location and rebalancing vehicle service design in bike-sharing systems
   Presenter: Ning Zhu
2. Vehicle Repositioning under Uncertainty
   Presenter: Yu Zhang
3. Service Operations for Mixed Autonomous Paradigm: Lane Design and Subsidy
   Presenter: Lan Lu
4. Regulating on-demand ride-sourcing services: A dynamic game-theoretical model and agent-based simulation
   Presenter: Xiqun (Michael) Chen

SESSION 3I

Topics in Operations Management

Session Chair: Duo Shi

July 30th
16:30-18:00
Room: S309

1. Food Safety Audits in Developing Economies: Decentralization vs. Centralization
   Presenter: Duo Shi
2. The Responsiveness and Restoration of Logistic Services during COVID-19: Evidence from China
   Presenter: Weihan Jia
3. Extubation Decision Making with Predictive Information for Mechanically Ventilated Patients in ICU
   Presenter: Guang Cheng
4. Pricing Decisions in A Platform-based Capacity Sharing Supply Chain
   Presenter: Yang Shuang

SESSION 3J

Service Operations

Session Chair: Shan Wang

July 30th
16:30-18:00
Room: S310

1. Online Learning for Queueing Systems under Unknown Demand
   Presenter: Xinyun Chen
2. Dynamic service rate control for reducing the risk of infection in service queueing networks
   Presenter: Yujiao Sun
3. A memetic algorithm for integrated production and delivery scheduling with vehicle routing decisions
   Presenter: Feier Qiu
4. On Scheduling Appointments in Tandem Service Systems
   Presenter: Shan Wang

SESSION 3K

OM-Marketing Interface II

Session Chair: Shihong Xiao

July 30th
16:30-18:00
Room: S207

1. Selling online display advertising by guaranteed contract combined with real-time bidding auction
   Presenter: Junchi Ye
2. Product Quality Decision in E-commerce Environment: Online Retailer as a New Entrant
   Presenter: Xiaoxiang Wang
3. Strategies for Manufacturers to Counter Showrooming
   Presenter: Wang Yu
4. Customer Review Provision Policies with Heterogeneous Cluster
   Presenter: Shihong Xiao

SESSION 4A

Smart City Operations

Session Chair: Jiayi Yu

July 31st
07:00-08:30
ZOOM

1. Operating A Three-sided Marketplace: Pricing, Spatial Staffing and Routing in Food Delivery Systems
   Presenter: Zhe Liu
2. End-to-End inventory management at E-commerces
   Presenter: Meng Qi
3. Stall Economy: The Value of Mobility of Retail on Wheels
   Presenter: Junyu Cao
4. Scaling Up Battery Swapping Services in Cities: A Joint Location and Repairable-Inventory Model
   Presenter: Wei Qi
5. Crowd-starting a Shared (Shuttle) Service with Customer Engagement
   Presenter: Long He

SESSION 4B

Dynamical-System Models — **Session Chair:** Bin Hu

July 31st
07:00-08:30
ZOOM

1. Audit And Remediation Strategies In The Presence Of Evasion
   Presenter: Shouqiang Wang
2. Prioritization strategies for delivering a two-dose vaccine during an epidemic/pandemic
   Presenter: Yun Zhou
3. Optimizing Free-to-Play Online Games with Premium Subscription
   Presenter: Yunke Mai
4. Operational Risk Management: Optimal Inspection Policy
   Presenter: Yuqian Xu

SESSION 4C

Technology and Operational Innovation — **Session Chair:** Brian Han

July 31st
07:00-08:30
ZOOM

1. Pricing OTC Drugs: Evidence From a Quasi-Experiment
   Presenter: Yixin Iris Wang
2. Procurement Amid the COVID-19 Outbreak
   Presenter: Meng Li
3. When Is Personalized Price Discount More Efficient? A Quasi-Experiment Study
   Presenter: Baile Lu
4. Managing Order-Holding Problems in Online Retailing Platforms
   Presenter: Shouchang Chen

SESSION 4D

Privacy, Information Sharing, and Food Delivery — **Session Chair:** Jiahua Wu

July 31st
07:00-08:30
ZOOM

1. Information Sharing in an Online Marketplace with Co-opetitive Sellers
   Presenter: Hong Zheng
2. Consumer profiling with data requirements: Structure and policy implications
   Presenter: Jiahua Wu
3. Food Delivery Service and Restaurant: Friend or Foe?
   Presenter: Manlu Chen
4. Consumer Profiling with Inventory Rationing
   Presenter: Tao Lu

SESSION 4E

Operations in Digital Platforms — **Session Chair:** Jiankun Sun

July 31st
07:00-08:30
ZOOM

1. The Impacts of Algorithmic Work Assignment on Fairness Perceptions and Productivity: Evidence from Field Experiments
   Presenter: Bing Bai
2. Choice Overload with Search Cost and Anticipated Regret: Field Evidence and Theoretical Framework
   Presenter: Jiankun Sun
3. Content Promotion for Online Content Platforms with Network Diffusion Effect
   Presenter: Yunduan Lin
4. Cold Start to Improve Market Thickness on Online Advertising Platforms: Data-Driven Algorithms and Field Experiments
   Presenter: Zikun Ye

SESSION 4F

Blockchain in Platforms and Supply Chains — **Session Chair:** Yao Cui and Jingchen Liu

July 31st
07:00-08:30
ZOOM

1. Blockchain Collaboration With Competing Firms In A Shared Supply Chain: Benefits And Challenges
   Presenter: Jingchen Liu
2. An investigation on the impact of counterfeiting and traceability on the secondary market
   Presenter: Hubert Pun
3. To Infinity and Beyond: Financing Platforms with Uncapped Crypto Tokens
   Presenter: Jingxing Gan
4. Blockchain-Enabled Deep-Tier Supply Chain Finance
   Presenter: Fasheng Xu

SESSION 4G

Emerging Topics in Service Operations — **Session Chair:** Yuqian Xu

July 31st
07:00-08:30
ZOOM

1. Role of Telehealth Adoption in Shaping Perceived Quality of Care: Empirical Analysis
   Presenter: Yu-Wei Lin
2. Choice Modeling and Assortment Optimization in the Presence of Context Effects
   Presenter: Reza Yousefi Maragheh
3. The Zocdoc Effect: How Does Online Information Impact Appointment Availability In Outpatient Care?
   Presenter: Youngsoo Kim
4. Employees, Contractors, or Hybrid: An Operational Perspective
   Presenter: Haotian Song

SESSION 4I

Energy and Sustainability — **Session Chair:** Helen and Yong

July 31st
07:00-08:30
ZOOM

1. The Design of Green Reward Program
   Presenter: Jiayuan Han
2. An Exponential Cone Programming Approach for Managing Electric Vehicle Charging
   Presenter: Li Chen
3. Community Solar Value Generation and Distribution
   Presenter: Owen Wu
4. Virtual Microgrids and Their Implication for Renewable Energy Investment and Peer-to-peer Electricity Trading
   Presenter: Alexandar Angelus

SESSION 4J

Data-Driven Sequential Decision Making — **Session Chair:** Zhengyuan Zhou

July 31st
07:00-08:30
ZOOM

1. Generic Drug Treatment Effectiveness: An Empirical Study
   Presenter: Xinyu Liang
2. Interpretable Personalization via Optimal Linear Decision Boundaries
   Presenter: Zhaonan Qu
3. Bidding and Pricing in Budget and ROI Constrained Markets
   Presenter: Jason Cheuk Nam Liang
4. Dynamic Exploration and Exploitation : The Case of Online Lending
   Presenter: Mingxi Zhu
5. Distributionally Robust Batch Contextual Bandits
   Presenter: Nian Si

SESSION 5A
July 31st · 11:00-12:30 · Room: S203

Smart Supply Chain and Intelligent Logistics Service
Session Chair: Weihua Liu

1. Smart Service Supply Chain Innovation: Considering Relationship Strength and Overconfidence
   Presenter: Di Wang
2. Using Backup Source with Unreliable supplier: The Value of Flexibility and Monitoring Unreliability
   Presenter: Xiang Li
3. Value of Group Leaders: When Sellers can Gain from the Community-based Group Buying Programs?
   Presenter: Xiaoran Shi
4. Financing and Carbon Emission Reduction Strategies of Capital-constrained Manufacturers in E-commerce Supply Chains
   Presenter: Huiping Fu

SESSION 5B
July 31st · 11:00-12:30 · Room: S204

Supply Chain Management in Retail Operations
Session Chair: Bin Dai

1. Implications of Product Line Competition on Channel Matching Strategies in a Retail Platform
   Presenter: Jiannan Ke
2. Behavior-based Pricing and Wholesale Price Contracting in Competing Supply Chains with Informative Advertising
   Presenter: Minghui Xu
3. Online Channels and Store Brands: Strategic Interactions
   Presenter: Xiaomeng Luo
4. Optimal Return Shipping Insurance Policy with Consumers' Anticipated Regret
   Presenter: Yiming Li

SESSION 5C
July 31st · 11:00-12:30 · Room: S208

Marketing Interface & Economic Modeling
Session Chair: Rachel Chen / Juan Li

1. Mobile Geo-Targeting: Inside vs. Outside a Mall
   Presenter: Xiaoqing Xie
2. Service Design under Collaborative Consumption
   Presenter: Chang Dong
3. Selling Professional Products Under Expertise Migration
   Presenter: Pingfan Wang
4. Sales contests with minimum sales volume requirement: Models and analysis
   Presenter: Zhen Shao
5. Vertical Differentiation with Exogenously Determined Common Attributes
   Presenter: Xiaojuan Puyang

SESSION 5D
July 31st · 11:00-12:30 · Room: S209

Emerging Topics in Sharing Economy
Session Chair: Tao Li

1. Product Sharing: A Threat or an Opportunity for Vertically Differentiated Manufacturers?
   Presenter: Dali Huang
2. The More the Better? Operations and Incentives of an On-demand Medical Crowdsourcing Platform
   Presenter: Jingxuan Geng
3. Competition Between P2P Ridesharing Platforms and Traditional Taxis
   Presenter: Wen Diao
4. Price, Wage, and Fixed Commission in On-Demand Matching
   Presenter: Yun Zhou

SESSION 5E
July 31st · 11:00-12:30 · Room: S210

Assortment, Pricing, Data under Discrete Choice Models
Session Chair: Ruxian Wang

1. Product Price, Quality and Service Decisions under Consumer Choice Models
   Presenter: Chenxu Ke
2. Product Bundle Recommendation and Pricing: How to Make It Work?
   Presenter: Hailong Sun
3. Tractable Constrained Optimization over Multiple Product Attributes under Discrete Choice Models
   Presenter: Hongzhang Shao
4. Operations Management under Consumer Choice Models with Multiple Purchases
   Presenter: Shujie Luan

SESSION 5G
July 31st · 11:00-12:30 · Room: S304

Privacy Issues in Operations Management
Session Chair: Ningyuan Chen

1. Privacy-Preserving Dynamic Personalized Pricing with Demand Learning
   Presenter: Yining Wang
2. Privacy-Preserving Personalized Revenue Management
   Presenter: Yanzhe Lei
3. Adaptive distributed learning system with privacy preservation
   Presenter: Yao Wang
4. Privacy-Preserving Product Recommendation
   Presenter: Pin Gao
5. Privacy Management in Service Systems
   Presenter: Jianfu Wang

SESSION 5H
July 31st · 11:00-12:30 · Room: S308

Urban Transportation and Logistics Management
Session Chair: Xiaolei Wang

1. An efficient algorithm for continuous bi-criteria traffic assignment
   Presenter: Jun Xie
2. A Two-phase Approach For The Vehicle Routing Problem With Time Windows And Uncertain Travel Times
   Presenter: Zhenzhen Zhang
3. Predicting the matching probability and ride/shared distance for each dynamic ridepooling order: A mathematical modeling approach
   Presenter: Xiaolei Wang
4. Modeling and managing the morning commute problem with park-and-ride-sharing
   Presenter: Jiancheng Long

SESSION 5I
July 31st · 11:00-12:30 · Room: S309

Healthcare Operations I
Session Chair: Yichuan Ding

1. Managing Outpatient Service with Strategic Walk-ins
   Presenter: Shan Wang
2. Joint Inter-day Planning and Intra-day Scheduling of Operating Rooms for Elective Surgeries with Time Windows
   Presenter: Shenghai Zhou
3. Joint Appointment and Reentry Scheduling: Mitigating Onsite Overcrowding in Outpatient Services
   Presenter: Yichuan Ding
4. Data-driven spatial-specific vaccine allocation framework for COVID-19
   Presenter: Li Yingjie

SESSION 5J — Data-driven Modeling in Healthcare

Session Chair: Nan Liu and Zhankun Sun

July 31st
11:00-12:30
Room: S310

1. Urban Search and Rescue Resources Allocation in Flooding
   Presenter: Huiyin Ouyang
2. Data-Pooling for Personalized Intervention in Healthcare
   Presenter: Xinyun Chen
3. Treatment Planning of Victims with Heterogeneous Time-sensitivities in Mass Casualty Incidents
   Presenter: Yunting Shi
4. Dynamic Patient Prioritization in Hospital Emergency Departments
   Presenter: Zhankun Sun

SESSION 5K — Topics in Revenue Management II

Session Chair: Lang Zekun

July 31st
11:00-12:30
Room: S207

1. A Rolling-horizon Decision Framework for Integrated Relocation and Parking Reservation in One-way Electric Carsharing Systems
   Presenter: Lang Zekun
2. Rider Behavior and Efficiency of Dockless Bike Sharing Systems
   Presenter: Huan Cao
3. Robust Policy Optimization for Feature-Based Newsvendor
   Presenter: Luhao Zhang
4. Delay Information in Virtual Queues: A Large-Scale Field Experiment on a Ride-Sharing Platform
   Presenter: Yiming Zhang

SESSION 6A — Operations and Supply Chain Management II

Session Chair: Guanmei Liu

July 31st
15:15-16:45
Room: S203

1. Cooperative Financing from a Risk-Averse Bank under a Competitive Market
   Presenter: Ma Chenglin
2. Technology Investment into a Supplier with Upstream Entry
   Presenter: Guanmei Liu
3. Flexible versus Committed and Specific versus Uniform: Wholesale Price Contracting in A Supply Chain with Downstream Process Innovation
   Presenter: Shuangqi Yan

SESSION 6B — Operations and Supply Chain Management III

Session Chair: Jingqi Wang

July 31st
15:15-16:45
Room: S204

1. More Investment Less Profit? An R&D Investment Conundrum of a Financially Constrained Firm in a Supply Chain
   Presenter: Jingqi Wang
2. Make or Buy: Effects of Supplier's Capacity and Contracting Forms on Optimal Component Strategy for End-Product Manufacturers
   Presenter: Ling Li
3. Optimal Inventory Control and Design Refresh Selection in Managing Part Obsolescence
   Presenter: Zhenyang Shi
4. Profit analysis and pricing strategy for the dual-channel supply chain considering the complimentary extended warranty
   Presenter: Mengjin Guo
5. Online channel introduction under contract negotiation: Reselling versus agency selling
   Presenter: Chen Chongping

SESSION 6C — OM with Learning

Session Chair: Xiaobei Shen

July 31st
15:15-16:45
Room: S208

1. Optimal Salesforce Compensation with Learning: Early Success Bias and Late Success Encouragement
   Presenter: Xiangyin Kong
2. An Asymptotically Tight Learning Algorithm for Mobile-Promotion Platforms
   Presenter: Zhichao Feng
3. Finite-horizon joint inventory-pricing model with non-concave demand and lost sales
   Presenter: Luyao Ba
4. Incentives for Shared Services: Multi-Server Queueing Systems with Priorities
   Presenter: Hanlin Liu
5. Salesforce Compensation Design with Delegated Purchasing Task: A Two-Period Markov Decision Process Model
   Presenter: Xiaoting Jiao

SESSION 6D — Topics in Retail Operations and Online Marketplaces

Session Chair: Xuan Wang

July 31st
15:15-16:45
Room: S209

1. Opaque selling under limited flexibility and pricing
   Presenter: Hailun Zhang
2. Capacity Optimization and Resource Allocation under Service Level Constraints
   Presenter: Shixin Wang
3. Posted Price versus Auction Mechanisms in Freight Transportation Marketplaces
   Presenter: Xuan Wang
4. Online Advertisement Allocation in the Presence of Customer Choices
   Presenter: Ying Rong

SESSION 6E — Marketplace Innovation

Session Chair: Lu Wang / Qianbo Yin

July 31st
15:15-16:45
Room: S210

1. Online Retailers Going Offline: A Strategic Analysis of Product Empowerment
   Presenter: Qianbo Yin
2. Optimal Funding Strategies and Pricing Policies in Reward-Based Crowdfunding
   Presenter: Xue Wang
3. Commission Contracts in Three-sided Markets: Restaurants vs. Online Food Delivery Platforms
   Presenter: Zhong Chen
4. Pricing and Availability Management in Opaque Selling
   Presenter: Zihao Zhang

SESSION 6F — Emerging OM Models and Applications in Business

Session Chair: Chun Wang

July 31st
15:15-16:45
Room: S303

1. Loot Box Pricing and Design
   Presenter: Xiao Lei
2. Play Like the Pros? Solving the Game of Darts
   Presenter: Chun Wang
3. Sourcing in an Increasingly Volatile World: Offshoring, Onshoring or Both?
   Presenter: Jiaqi Lu
4. Estimating Demand with Unobserved No-purchases on Revenue-managed Data
   Presenter: Anran Li

SESSION 6G

Operation management in Intelligent Manufacturing Session Chair: Na Geng

① Economic-statistical Design of MEWMA Control Chart Based on Multi-objective Cuckoo Search Algorithm
Presenter: Zaifang Zhang

② A robust unrelated parallel machine scheduling problem with uncertain processing and setup times
Presenter: Shijin Wang

③ Literature review on Capacity planning
Presenter: Xin Zhou

④ Deep Reinforcement Learning for Dynamic Parallel Machine Scheduling
Presenter: Shijin Wang

⑤ Channel Selection of Manufacturers under Product Sharing
Presenter: Kangzhou Wang

SESSION 6H

Urban Transportation and Mobility Session Chair: Hai Wang / Jiangang Jin

① Market Design for Commute-Driven Private Parking Lot Sharing
Presenter: Minghui Lai

② Optimizing order-dispatching in the ride-sourcing market with impatient passengers
Presenter: Yinquan Wang

③ Research on two-stage robust optimization for slot allocation in airport network
Presenter: Wenjing Liu

④ Optimization of Ride-Sharing from Public Transportation Hub
Presenter: Jian Gang Jin

SESSION 6I

Healthcare and Service Analytics Session Chair: Jingui Xie

① From Census Data to Operational Details: a Refined Study on Workload and Efficiency of Medical Staff
Presenter: Qian Luo

② Incentivized Referral System with Co-payment and Green Channels
Presenter: Houyuan Jiang

③ The impact of the prolonged service time for off-service placement on flexibility designs
Presenter: Yanting Chen

④ Vaccine Appointment Scheduling: The Second Dose Challenge
Presenter: Yini Gao

SESSION 6J

IT-Enabled Innovations and Market Design Session Chair: Jifeng Luo

① Use of AR Technology to Promote Innovative Products
Presenter: Chee Wei Phang

② Integral Interface Design between a Software Platform and Its Apps
Presenter: Cheng Zhang

③ Is algorithm aversion more significant among trained experts?
Presenter: Chong Wang

④ The effect of paid knowledge sharing on customer retention and customer acquisition
Presenter: Yu Tong

SESSION 6K

Responsible Value Chain Management Session Chair: Yu Zhou

① Diffusing Green Innovations in Social Networks via Word of Mouth
Presenter: Zhaofu Hong

② Implications of Supplier Encroachment in Upgraded Products Introduction
Presenter: Danli Lu

③ Comparison of Four Prevailing Forms of Agricultural Film Recycling Schemes
Presenter: Feifei Shan

④ Managerial optimism in a supply chain
Presenter: Yannan Jin

⑤ Less is more: Consumer education in a closed-loop supply chain with remanufacturing
Presenter: Minyue Jin

SESSION 7A

Supply Chain Competition and Coordination Session Chair: Shangsong Long

① Platform competition in a two-sided market of smart logistics: technology empowerment and technology diffusion
Presenter: Shangsong Long

② Smart supply chain innovation model selection: exploitative innovation or exploratory innovation?
Presenter: Shuang Wei

③ Whether and How a New Brand Should Be Introduced? The Online Retailer's Introduction Strategies
Presenter: Boyuan Zhong

④ Advance selling decisions of retailer in dual channel of the fresh product supply chain
Presenter: Shuang Wu

⑤ Channel Competition and Coordination in the Presence of Hybrid Retailing
Presenter: Yanjie Liang

SESSION 7B

Emerging Topics in SCM Session Chair: Xiao Liu

① Corporate Social Responsibility in Supply Chain: Green or Greenwashing?
Presenter: Yilin Shi

② Optimizing Storage Location Assignment Using Product Association Structure of Consumers' Market Basket
Presenter: Xiao Liu

③ Supply information transmission mechanism based on transmission entropy
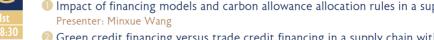Presenter: Yueran Zhang

④ A robust multi-echelon inventory system with multiple supply modes
Presenter: Liangquan Wang

⑤ The value of product recall insurance in a decentralized supply chain
Presenter: Jing Chen

SESSION 7C

Behavior/Sustainable Operations Session Chair: Minxue Wang

① Impact of financing models and carbon allowance allocation rules in a supply chain
Presenter: Minxue Wang

② Green credit financing versus trade credit financing in a supply chain with carbon emission limits
Presenter: Simin An

③ The Optimal Green Strategies for Competitive Ocean Carriers under Potential Regulation
Presenter: Wei Zheng

④ Impact of Consumer Complaints on Time to Recall: Empirical Investigation of the Automobile Industry
Presenter: Weihan Jia

SESSION 7D

Topics in Stochastic Models　　　　**Session Chair:** Jiannan Ke

July 31st
17:00-18:30
Room: S209

1. Signaling Service Quality Through Queue Disclosure
   Presenter: Zhenwei Luo
2. Please Don't Make Me Wait: Influence of Customers' Waiting Preference and No-Show Behavior on Appointment Systems
   Presenter: Ruijie Zhang
3. Fair Allocation Algorithms for Cash Transfer Programs: From Predictive to Simultaneous and Sequential Policies
   Presenter: Jiannan Ke
4. Optimal Upgrading Strategy for the Quality, Release Time and Pricing for Software Vendor
   Presenter: Shuxia Peng

SESSION 7E

Topics in Revenue Management IV　　　　**Session Chair:** Xiaobo Li

July 31st
17:00-18:30
Room: S210

1. An Approximation Method for Inventory Control or Joint Pricing and Inventory Control Problem
   Presenter: Ye Lu
2. Dimensioning On-Demand Vehicle Sharing Systems
   Presenter: Shining Wu
3. Optimal Policies and Heuristics To Match Supply With Demand For Online Retailing
   Presenter: Xiaobo Li
4. Convex Optimization for Bundle Size Pricing Problem
   Presenter: Hailong Sun

SESSION 7F

Operations under New Technology　　　　**Session Chair:** Li Yang

July 31st
17:00-18:30
Room: S303

1. Position Auctions with Endogenous Product Information: Why Live-Streaming Advertising Is Thriving?
   Presenter: Pin Gao
2. Values of Traceability in Supply Chains
   Presenter: Jingchen Liu
3. A Model of Livestream Selling with Online Influencers
   Presenter: Jing Hou
4. Live Commerce Retailing with Online Influencers: Two Business Models
   Presenter: Baolong Liu

SESSION 7G

Topics in Data, Learning, and Decisions II　　　　**Session Chair:** Gao Jia

July 31st
17:00-18:30
Room: S304

1. The Role of Security Externality in Firms' Security Outsource Incentives
   Presenter: Yong Wu
2. Scan Based Trading and Bargaining Equilibrium: A Structural Estimation of Channel Surplus
   Presenter: Stanley Lim
3. Managing Overconfident Newsvendors: A Target-Setting Approach
   Presenter: Tian Bai
4. Save Time or Save Face? The Social Presence Effect and Herding Effect in the Use of Facial Recognition Payment Technology in Retail
   Presenter: Gao Jia
5. An Adaptive Hybrid Surrogate-Assisted Particle Swarm Optimization Algorithm for Expensive Structural Optimization
   Presenter: Xiong xiong You

SESSION 7H

Emerging Topics in Transportation　　　　**Session Chair:** Guowei Zhang

July 31st
17:00-18:30
Room: S308

1. Humanitarian relief network assessment using collaborative truck-and-drone system
   Presenter: Guowei Zhang
2. Data-driven distribution planning for inventory routing problem with discontinuous time windows
   Presenter: Qiwen Tian
3. Core-based Cost Allocation for Collaborative Multi-Stop Truckload Shipping Problem
   Presenter: Huajing Liu
4. Investigating the Impact of Ride-share Transportation on Patient No-Show Rates
   Presenter: Shihong Xiao

SESSION 7I

Technology and Operational Innovation　　　　**Session Chair:** George X Yuan

July 31st
17:00-18:30
Room: S309

1. Investor attention and and Information Asymmetry: Evidence from China
   Presenter: Xing Chen
2. The Early Warning Features for the Predicting Financial Distress by using AI Algorithms
   Presenter: George X Yuan
3. How does tolerance for failure matter for innovation?
   Presenter: Tianxiu Zhang
4. Should banks offer concessions? Lending rates for manufacturers' green products
   Presenter: Yanhong Si
5. Leveraging social-media risk communication to influence public emotions during a pandemic
   Presenter: Shenming Song

SESSION 7J

Digital Economy　　　　**Session Chair:** Ziqiong Zhang

July 31st
17:00-18:30
Room: S310

1. Any reputation is a good reputation: Influence of strategy-related reputation on the restructuring performance of hospitality firms
   Presenter: Hui Li
2. Growing User Base in the Early Stage of Digital Sharing Economy Platforms: An Integration of Competitive Repertoire and Institutional Legitimacy Theories
   Presenter: Nianxin Wang
3. Pay for the Vulnerabilities in Third-Party Apps? Optimal Strategies for the Digital Platform Launching Bug Bounty Programs (BBPs).
   Presenter: Tianlu Zhou
4. Single bus line timetable optimization with big data
   Presenter: Xiang Li

SESSION 7K

FinTech, Innovation and Risk Management II　　　　**Session Chair:** Yichu Wang

July 31st
17:00-18:30
Room: S207

1. The real effects of shadow banking: Evidence from China
   Presenter: Yichu Wang
2. Fintech, financial constraints, and innovation: evidence from China
   Presenter: Na Ding
3. Present bias and the value of time consistency
   Presenter: Rong Tang
4. Households Classification by Consumer Heterogeneity and the Propensity to Consume Analysis
   Presenter: Shi Pu

SESSION 8A

Data-driven Inventory Management
Session Chair: Beryl Chen

August 1st
10:30-12:00
Room: S203

1. Optimal Policies for Dynamic Pricing and Inventory Control with Nonparametric Censored Demands
   Presenter: Boxiao (Beryl) Chen
2. The Competitive Ratio of Threshold Policies for Online Unit-density Knapsack Problems
   Presenter: Jinglong Zhao
3. Sampling-Based Approximation for Series Inventory Systems
   Presenter: Kairen Zhang
4. Inventory Control and Learning for One Warehouse Multi Store System with Censored Demand
   Presenter: Sentao Miao

SESSION 8B

OM-Marketing Interface IV
Session Chair: Xiaomeng Guo

August 1st
10:30-12:00
Room: S204

1. E-Tailing with FinTech: Instant Return Credit
   Presenter: Duo Shi
2. Friend or Foe? The Impact of Home-sharing Professional Investors on the Housing Market
   Presenter: Shihong Xiao
3. Supply Risk Mitigation In A Decentralized Supply Chain: Price Postponement Or Payment Postponement?
   Presenter: Xin Geng
4. A Model of Credit Refund Policies
   Presenter: Yan Liu

SESSION 8C

Information, Incentives and Behaviors
Session Chair: Fu Yiping

August 1st
10:30-12:00
Room: S208

1. The impacts of private risk aversion magnitude and moral hazard in R&D project under uncertain environment
   Presenter: Fu Yiping
2. The influence of organizational innovation climate on employee innovation performance: the interaction effect between achievement motivation and regional innovation policy environment
   Presenter: Jinmeng Yu
3. On the Impact of City Innovation Environment on Innovative Behavior of Scientific and Technological Workers: a Moderated-mediation Model
   Presenter: Yifan Zhu
4. Influence of Scientific and Technological Workers' meaning of work on their innovation behavior: a moderated-mediation model
   Presenter: Kexin Liang
5. Implications of consumer reviews and consumer loss aversion for information disclosure
   Presenter: Xiaoqing Fan

SESSION 8D

Operational Approaches in E-commerce Platform II
Session Chair: Yuanguang Zhong

August 1st
10:30-12:00
Room: S209

1. Cry-Wolf Syndrome in Recommendation
   Presenter: Baixun Li
2. Robust Production Planning and Risk Aversion Analysis in Agricultural Supply Chains
   Presenter: Bin Cao
3. Empty-car Repositioning for a Ride-Sharing Network System Providing Differentiated Services
   Presenter: Stefan Zillmann
4. The Value of Store Inventory Sharing in Omnichannel Operations
   Presenter: Xiong Zhang

SESSION 8E

Platform and Sharing Economy
Session Chair: Xing Hu

August 1st
10:30-12:00
Room: S210

1. Flexible Labor Supply Behavior on Ride-Sourcing Platforms
   Presenter: Hao Sun
2. Balancing Supply with Demand in Ride-hailing Platforms: An Operational Approach
   Presenter: Qin Zhou
3. Research on Pricing Strategy of Capacity Sharing Platform Considering Service Level
   Presenter: Renjie Zhou
4. Accurate Information Better? Sharing Commitment and Capacity Allocation under Supply Competition
   Presenter: Xiaomin Liu
5. Quality Disclosure in the Presence of Online Reviews
   Presenter: Yufeng Yang

SESSION 8G

Energy, Sustainability, and Social Responsibility
Session Chair: Yi Wang

August 1st
10:30-12:00
Room: S304

1. Assessing the regional differences in the effectiveness of new energy vehicle incentive policies: Empirical evidence from 88 pilot cities in China
   Presenter: Xusheng Yao
2. Can Blockchain Help Food Supply Chains with Platform Operations during COVID-19 Outbreak?
   Presenter: Lu Yang
3. Building Smart City: Research on Typhoon Disaster Complaint Early Warning Based on Shanghai 12345 Hotline Complaint Data
   Presenter: Zhao Hui
4. Managing Fish Farming and Production: Systems with Renewable Resource
   Presenter: Yi Wang

SESSION 8H

Topics in Revenue Management III
Session Chair: Feng Zhu

August 1st
10:30-12:00
Room: S308

1. Courteous or Crude? Managing User Conduct to Improve On-Demand Service Platform Performance
   Presenter: Bin Hu
2. Calibrating Sales Forecast in a Pandemic Using Competitive Online Non-Parametric Regression
   Presenter: Ruihao Zhu
3. Assign-to-Seat: Dynamic Capacity Control for Selling High-Speed Train Tickets
   Presenter: Feng Zhu
4. Engineering Social Learning: Information Design of Time-Locked Sales Campaigns for Online Platforms
   Presenter: Shouqiang Wang

SESSION 8I

Healthcare Operations II
Session Chair: Yichuan Ding

August 1st
10:30-12:00
Room: S309

1. On the use of partitioning in the inpatient surgical department
   Presenter: Lien Wang
2. Examining the role of mindfulness in preventing relapse to information technology addiction
   Presenter: Chongyang Chen
3. The Cost of Task Switching: Evidence from the Emergency Department
   Presenter: Yiwen Jin
4. To Introduce or Not? The Impact of Telemedicine on Hospital's Operation Decisions Considering Medical Consumption and Epidemic Influence
   Presenter: Cuihua Zhou

Emerging Topics in Supply Chain Management — **Session Chair:** Hui Min Liu

❶ Agency or Wholesale? The Role of Retail Pass-Through
Presenter: Honggang Hu
❷ The Effects of Different Fairness Reference Points on Collaborative Innovation of Supply Chain
Presenter: Hui Min Liu
❸ Should a Sharing Platform Adopt the Bilateral Review System?
Presenter: Xuanqi Chen
❹ Buy Online, Return in Competitor's Store: The Role of Selling Format
Presenter: Yi Chen
❺ Should a domestic firm carve out a niche in overseas markets? Value of purchasing agents
Presenter: Jianxi Tang

SESSION
1A

Room	
A	S203
B	S204
C	S208
D	S209
E	S210
F	S303
G	S304
H	S308
I	S309
J	S310
K	S207

Time Slot	
1	July 30th, 13:00-14:30
2	July 30th, 14:45-16:15
3	July 30th, 16:30-18:00
4	July 31st, 07:00-08:30
5	July 31st, 11:00-12:30
6	July 31st, 15:15-16:45
7	July 31st, 17:00-18:30
8	August 1st, 10:30-12:00