

CONFERENCE SCHEDULE

Day 1: January 7, 2017 (Saturday)							
8:00 & 8:15	Shuttle Bus pick up from <u>Crowne Plaza Hong Kong Kowloon East Hotel</u> to <u>HKUST LSK Business Building</u>						
8:00	Registration (Refreshment will be provided)			G/F - LSK Business Building outside Wong Chak Chui Lecture Theatre (G012)			
9:00 - 10:30	Tutorial Prof. J. George Shanthikumar			LSK 1003			
	SESSION 1						
	Session 1A Pricing and Advertising	Session 1B Supply Chain and Service Management	Session 1C Topics in Operations Management	Session 1D Shared Transportation Systems Operations	Session 1E New Directions in Inventory Control	Session 1F Inventory Management	
	LSK 1033	LSK 1034	LSK 1005	LSK 1026	LSK G012	LSK G007	
10:30 - 10:45	Refreshment Break						
10:45 - 12:15	Presentation of Best Student Paper Competition Finalists			LSK 1026			
	SESSION 2						
	Session 2A Matching Supply with Demand	Session 2B Strategic Consumer Behavior	Session 2C Financial Engineering and Risk Management	Session 2D Emerging Topics in Supply Chain Management	Session 2E Information and Incentives in Emerging Areas of Supply Chain	Session 2F Economics Models in OM	
	LSK 1003	LSK 1033	LSK 1034	LSK 1005	LSK G012	LSK G007	
12:30 - 13:45	Lunch Chinese Restaurant 南北小廚						
14:00 - 15:30	Welcome Speech & Keynote Speech Prof. Hau L. Lee			G/F - LSK Business Building Wong Chak Chui Lecture Theatre (G012)			
15:30 - 15:45	Refreshment Break						
15:45 - 17:15	SESSION 3						
	Session 3A Supply Chain Management	Session 3B Consumer Choice and Assortment Optimization	Session 3C Pricing Decisions	Session 3D Appointment Scheduling	Session 3E Behavioral Operations	Session 3F Ecommerce	Session 3G Game Theory and Competition
	LSK 1003	LSK 1026	LSK 1033	LSK 1034	LSK 1005	LSK G012	LSK G007
17:45	Shuttle Bus pick up from <u>HKUST LSK Business Building</u> to <u>Conference Dinner Venue</u> at <u>Crowne Plaza Hong Kong Kowloon East Hotel, 1/F Grand Ballroom 2</u>						

Day 2: January 8, 2017 (Sunday)

8:15 & 8:30	Shuttle Bus pick up from Crowne Plaza Hong Kong Kowloon East Hotel to HKUST LSK Business Building								
8:30	Registration (Refreshment will be provided)				G/F - LSK Business Building outside Wong Chak Chui Lecture Theatre (G012)				
9:00 - 10:30	Keynote Speech Prof. Awi Federgruen				G/F - LSK Business Building Wong Chak Chui Lecture Theatre (G012)				
10:30- 10:45	Refreshment Break								
10:45 - 12:15	SESSION 4								
	Session 4A Innovations in Operations Management	Session 4B Recent Developme nt in Supply Chain Manageme nt and Service	Session 4C Retail Promotions and Revenue Sharing	Session 4D Supply Chain Performance	Session 4E Social & Economic Networks	Session 4F Logistics Planning	Session 4G Sustainable Operations Management	Session 4H Data Driven Research	Session 4I Service Operations
	LSK 1003	LSK 1026	LSK 1033	LSK 1034	LSK 1005	LSK G012	LSK G007	LSK 1032	LSK 1027
12:30 - 13:45	Lunch Chinese Restaurant 南北小廚								
14:00 - 15:30	SESSION 5								
	Session 5A Warranty and Quality Management	Session 5B Logistics Management	Session 5C Strategic Consumers and Robust Optimization	Session 5D Contract Design	Session 5E Channel and Purchasing Management	Session 5F Robust Optimization and Risk <Cancelled>	Session 5G Supply Chain Management	Session 5H Business Analytics for Decision Making	Session 5I Economics and Operations Management
	LSK 1003	LSK 1026	LSK 1033	LSK 1034	LSK 1005	LSK G012	LSK G007	LSK 1032	LSK 1027
15:30 - 15:45	Refreshment Break								
15:45 - 17:15	SESSION 6								
	Session 6A Logistics and Supply Chain Management	Session 6B OM in Health Care Systems	Session 6C Interface between OM and Marketing	Session 6D Supply Chain Management	Session 6E Green Efforts and Location Management	Session 6F The OR/OM models and their applications	Session 6G Healthcare Operations Management	Session 6H Technology Management	Session 6I Supply Chain Management
	LSK 1003	LSK 1026	LSK 1033	LSK 1034	LSK 1005	LSK G012	LSK G007	LSK 1032	LSK 1027
17:30 & 17:45	Shuttle Bus pick up from HKUST LSK Business Building to Crowne Plaza Hong Kong Kowloon East Hotel								

PRESENTATION SESSIONS

DAY 1 (SESSION 1A TO 3G)

Presenter (by alphabetic order)	Session
A	
Alizamir Saed	2-E
C	
Cai Ning	2-C
Chen Kanglin	2-F
Chen Tianxiao	1-C
Chen Xi	1-C
Chen Yiwei	1-D, 2-A, 3-A
Cheung Wang Chi	3-B
Chi Yichun	2-C
Chua Geoffrey A.	3-C
Cui Zhijian	3-E
D	
Dai Yue	3-C
F	
Fan Xiaoshuai	2-D
Fang Yanli	2-D
Feng Haolin	2-C
Feng Zhichao	3-B
G	
Gao Xiangyu	1-E
Guan Xu	2-B
Guo Peijun	3-E
Guo Xiaomeng	1-B
H	
He Long	1-D
He Rongchuan	1-F
Hu Peng	3-A
Hu Zhenyu	1-E
Huang Song	2-B
K	
Kung Ling-Chieh	1-D
L	
Leung Ngai-Hang Zachary	3-D
Li Lingfei	2-C
Li Tao	2-F
Li Yifu	3-E
Liao Peng	3-C
Lim Yun Fong	1-A
Lin Chun-Chen	3-F
Liu Yan	3-B
Lo Venus	3-B
Lv Fei	3-G
M	
Ma Guangrui	1-D, 2-B
Ma Will	3-A
P	
Panchal Gajanan B.	3-F
R	
Rong Ying	2-A

DAY 1 (SESSION 1A TO 3G)

Presenter (by alphabetic order)	Session
S	
Sachan Amit	3-F
Shen Xiaobei	1-F
Song Boqian	3-C
Su Huiqiao	3-D
T	
Tian Quan	3-G
W	
Wang Qiong	1-E
Wang Rowan	3-D
Wang Shouqiang	2-E
Wang Tong	1-F
Wang Wenbin	1-C, 2-E
Wang Xiaofang	1-B
Wang Xuan	2-A
X	
Xia Pengcheng	3-G
Xiao Guang	1-B
	2-F
Xiao Shihong	2-D
Xin Linwei	1-E
Xu Wenxin	2-E
Xu Yin	3-A
Xu Ying	1-B
Y	
Yang Chaolin	1-A
Yin Zhe	2-B
Yin Qianbo	1-A
Z	
Zhan Yang	3-D
Zhang Jinjin	2-D
Zhang Mingyang	3-F
Zhang Renyu (Philip)	1-C
Zhou Maosen	3-G
Zhou Yangfang Helen	2-F

DAY 2 (SESSION 4A TO 6H)**Presenter (by alphabetic order) Session**

A		
Ambati	Sunil Kumar	5-G
Amornpetchkul	Thunyarat (Bam)	4-C
B		
Bhattacharya	Shantanu	5-D
C		
Cao	Zhigang	4-E
Chen	Ningyuan	6-C
Chen	Xiaole	6-F
Chen	Yu-Hung	4-C
Chen	Zhi	5-C
Chiu	Chun-Hung	5-E
Cui	Qinquan	5-G
Cui	Zheng	5-C
Cui	Zhiwei	4-E
Czerny	Achim I.	6-A
D		
Dai	Anshu	5-A
Dai	Tinglong	6-B
Deng	Qi	5-H
Deng	Qiang	5-I
Ding	Runkang	6-B
Ding	Wen	6-D
Dong	Ciwei	5-A
Du	Rongxue	5-B
F		
Fang	Xin	4-A
Fu	Qi	6-E
G		
Ganbold	Odkhishig	4-F
Geng	Na	6-G
H		
Han	Shasha	6-G
Hao	Jiaqin	5-C
Hora	Manpreet S.	4-D
Huang	Junfei	6-F
Huang	Po-Chu	4-H
Huang	Weixiang	4-I
Hui	Haiping	6-H
K		
Kaushal	Ashish Kumar	6-A
Kong	Qingxia	6-G
Kung	Ling-Chieh	4-C
Kuo	Yong-Hong	4-H
L		
Lee	Hsiao-Hui	6-H
Li	Hai	6-C
Li	Jiang	4-B
Li	William	5-H
Li	Xidong	5-E
Liu	Hanqing	5-C
Liu	Jingchen	5-I
Liu	Lindong	6-E
Liu	Jing	6-I
Lou	Yaqi	5-A

DAY 2 (SESSION 4A TO 6H)

L		
Luo	Jianxi	4-E
Luo	Renfei	6-I
Luo	Sirong	5-H
Lv	Laura	5-E
Lyu	Guodong	4-D
M		
Ma	Peng	6-E
Mao	Huiqiang	5-I
Mahapatra	Niraj Kumar	4-F
N		
Natarajan	Karthik	4-D
O		
Ouyang	Huiyin	5-H, 6-G
P		
Park	Kun Soo	4-G
Peng	Lei	4-I
Q		
Qi	Anyan	4-B
S		
Shangguan	Lili	5-E
Shao	Lusheng	5-D
Shi	Duo	6-C
Sun	Lijun	4-A
T		
Tan	Kok Choon	5-B
Tang	Qinshen	4-D
Tüncel	Özge	6-A
W		
Wang	Jingqi	4-B
Wang	Qiao	5-G
Wang	Shan	4-I
Wang	Shuaian	5-B
Wang	Ting	5-F
Wang	Xin	4-G
Wee	Hui-Ming	4-G
Wei	Ting	5-D
Wu	Zhirong	5-G
X		
Xiao	Shuang	6-D
Xiao	Yixuan	4-B
Xie	Jingui	6-F
Y		
Yang	Yihuan	5-B
Yi	Zelong	6-D
Yuan	Bai-yun	6-E

Continue in next page

DAY 2 (SESSION 4A TO 6H)

Presenter (by alphabetic order) Session

Z		
Zeng	Yinlian	5-C
Zhang	Hanxiang	4-F
Zhang	Jianghua	6-B
Zhang	Ruijie	6-F
Zhang	Wei	6-H
Zhang	Yang	4-E
Zhang	Yiwen	5-D
Zhao	Quanwu	4-F
Zheng	Rui	6-C
Zhou	Lin	4-A
Zhou	Yu	4-G
Zhu	Han	6-I
Zhuang	Weifen	6-B

TUTORIAL:

Day 1: 9:00 - 10:30 Classroom LSK 1003

Prof. J. George Shanthikumar
Richard E. Dauch Chair in Manufacturing and Operations Management
Krannert School of Management, Purdue University

Title: A Framework for Data Integrated Prescriptive Operations Management
(Joint work with Q. Feng)

Abstract

We provide a framework for data integrated modeling for prescriptive operations Management. Specific attention is shown to overcoming structural and statistical errors. This is achieved through operational statistics and objective operational learning which are built on the basis of data integration and cross validation. We will illustrate how regularization in sample approximation approaches and data driven robust optimization with cross validation relates to operational objectives and operational statistics. Applications in pricing and revenue management, inventory control and staffing in service systems will be demonstrated.

BEST STUDENT PAPER COMPETITION FINALISTS

Day 1: 10:45 - 12:15

Chair: Man Yu Classroom LSK 1026

Dynamic Recommendation at Checkout under Inventory Constraint

Presenter: Will Ma
Xi Chen, David Simchi-Levi, Linwei Xin

Instantaneous Control of Brownian Motion with a Positive Lead Time

Presenter: Zhen Xu
Jiheng Zhang, Rachel Q. Zhang

Dynamic Joint Pricing and Order Fulfillment for E-commerce Retailers

Presenter: Yanzhe (Murray) Lei
Stefanus Jasin, Amitabh Sinha

Managing Perishable Inventory Systems as Non-perishable Ones

Presenter: Hailun Zhang
Jiheng Zhang, Rachel Q. Zhang

SESSION 1-A: PRICING AND ADVERTISING

Day 1: 9:00 - 10:30

Chair: Sean Zhou

Classroom LSK 1033

POMS-0173	Dynamic Pricing for Hotel Rooms When Customers Request Multiple-Day Stays Presenter: <u>Yun Fong Lim</u> Selvaprabu Nadarajah, Qing Ding
POMS-0174	Advertising Competition, Consumer Satisfaction and Purchase Reinforcement Effects Presenter: <u>Chaolin Yang</u> Sean Zhou, Liang Guo
POMS-0175	Dual-Channel Management with Strategic Customers Presenter: <u>Qianbo Yin</u> Sean Zhou, Guoming Lai

SESSION 1-B: SUPPLY CHAIN AND SERVICE MANAGEMENT

Day 1: 9:00 - 10:30

Chair: Xin Wang

Classroom LSK 1034

POMS-0018	Clinical Ambiguity and Conflicts of Interest In Interventional Cardiology Decision-making Presenter: <u>Xiaofang Wang</u> Tinglong Dai, Chao-Wei Hwang
POMS-0113	Crowdfunding in Green Energy Investment Presenter: <u>Ying Xu</u> Ronghuo Zheng, Nilanjan Chakraborty, Katia Sycara
POMS-0002	Omni-Channel Retail in the Present of Operational Frictions Presenter: <u>Xiaomeng Guo</u> Panos Kouvelis, Danko Turcic
POMS-0007	Supply Diversification under Correlated Random Yields Presenter: <u>Guang Xiao</u> Lingxiu Dong, Nan Yang

SESSION 1-C: TOPICS IN OPERATIONS MANAGEMENT

Day 1: 9:00 - 10:30

Chair: Renyu Zhang

Classroom LSK 1005

POMS-0012	Bayesian Dynamic Learning and Pricing with Strategic Customer Presenter: <u>Xi Chen</u> Zizhuo Wang
POMS-0074	Dynamic Inventory Management under Stockout Substitutions Presenter: <u>Tianxiao Chen</u> Xiting Gong
POMS-0130	On the Adoption of Smart Home Appliance Presenter: <u>Wenbin Wang</u> Yannan Jin
POMS-0129	Dynamic Pricing and Inventory Management under Network Externalities Presenter: <u>Renyu (Philip) Zhang</u> Nan Yang

SESSION 1-D: SHARED TRANSPORTATION SYSTEMS OPERATIONS

Day 1: 9:00 - 10:30

Chair: Long He

Classroom LSK 1026

POMS-0019	Pricing for a Last Mile Transportations System Presenter: <u>Yiwei Chen</u> Hai Wang
POMS-0020	Dynamic Service Management of One-Way Car Sharing Systems Presenter: <u>Guangrui Ma</u> Ho-Yin Mak
POMS-0021	The Optimal Pricing Strategy for Two-sided Platform Delivery in the Sharing Economy Presenter: <u>Ling-Chieh Kung</u> Guan-Yu Zhong
POMS-0022	An Adaptive Distributionally Robust Approach for Fleet Repositioning in Car Sharing Presenter: <u>Long He</u> Zhenyu Hu, Meilin Zhang

SESSION 1-E: NEW DIRECTIONS IN INVENTORY CONTROL

Day 1: 9:00 - 10:30

Chair: Linwei Xin

Classroom LSK G012

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|-----------|---|
| POMS-0068 | Asymptotically-Optimal Inventory Control for Assemble-to-Order Systems with a General Bill of Materials and Deterministic Lead Times
Presenter: <u>Qiong Wang</u>
Martin I. Reiman, Haohua Wan |
| POMS-0069 | Population Monotonicity in Newsvendor Game
Presenter: <u>Zhenyu Hu</u>
Xin Chen, Xiangyu Gao, Qiong Wang |
| POMS-0070 | Inventory Models with Random Capacities
Presenter: <u>Xiangyu Gao</u>
Xin Chen, Zhan Pang |
| POMS-0071 | Distributionally Robust Inventory Control when Demand is a Martingale
Presenter: <u>Linwei Xin</u>
David A. Goldberg |

SESSION 1-F: INVENTORY MANAGEMENT

Day 1: 9:00 - 10:30

Chair: Xiting Gong

Classroom LSK G007

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|-----------|--|
| POMS-0060 | Price-setting Newsvendor Problem with Partial Information of Demand Distribution
Presenter: <u>Rongchuan He</u>
Ye Lu |
| POMS-0072 | Preservation of Additive Convexity and Its Applications in Stochastic Optimization Problems
Presenter: <u>Tong Wang</u>
Xiting Gong |
| POMS-0135 | Managing Multi-echelon Supply Chains with Guaranteed Service and Expediting
Presenter: <u>Xiaobei Shen</u>
Yimin Yu |

SESSION 2-A: MATCHING SUPPLY WITH DEMAND

Day 1: 10:45 - 12:15

Chair: **Xuan Wang**

Classroom LSK 1003

POMS-0035 **Robust Dynamic Pricing with Strategic Customers**
Presenter: **Yiwei Chen**
Vivek F. Farias

POMS-0037 **Product Geographical Distribution under the Risk of Recall**
Presenter: **Ying Rong**
Long He, Max Shen

POMS-0038 **Online Resource Allocation with Limited Flexibility**
Presenter: **Xuan Wang**
Arash Asadpour, Jiawei Zhang

SESSION 2-B: STRATEGIC CONSUMER BEHAVIOR

Day 1: 10:45 - 12:15

Chair: **Xu Guan**

Classroom LSK 1033

POMS-0126 **Incentive Provision for Demand Information Acquisition: The Optimality of Quantity Discounts**
Presenter: **Song Huang**
Wenqiang Xiao

POMS-0128 **Dynamic Management of Opaque Selling When Customers Use Anecdotal Reasoning**
Presenter: **Zhe Yin**
Tingliang Huang

POMS-0144 **Dynamic disclosure, Word of Mouth Bias and Social Learning**
Presenter: **Guangrui Ma**
Xu Guan

POMS-0127 **Information Disclosure with Reference-Dependent Consumers**
Presenter: **Xu Guan**
Yulan Wang, Ying-Ju Chen

SESSION 2-C: FINANCIAL ENGINEERING AND RISK MANAGEMENT

Day 1: 10:45 - 12:15

Chair: **Ning Cai**

Classroom LSK 1034

POMS-0081	Impulse Control with Applications in Finance Presenter: <u>Haolin Feng</u> Kumar Muthuraman, Daniel Mitchell
POMS-0082	Pure Jump Models for Pricing and Hedging VIX Derivatives Presenter: <u>Lingfei Li</u> Jing Li, Gongqiu Zhang
POMS-0083	On the Optimality of Deductibles with Heterogeneous Beliefs Presenter: <u>Yichun Chi</u>
POMS-0084	A Unified Approach to Pricing Equity and Credit Derivatives within a General Framework Presenter: <u>Ning Cai</u> Haohong Lin

SESSION 2-D: EMERGING TOPICS IN SUPPLY CHAIN MANAGEMENT

Day 1: 10:45 - 12:15

Chair: **Qijun Qiu**

Classroom LSK 1005

POMS-0106	Direct Mechanism Design under Hidden Rebate Problem in a Supply Chain Presenter: <u>Xiaoshuai Fan</u> Ying-Ju Chen, Christopher Tang
POMS-0107	Joint Decision Marketing of Dynamic Pricing and Duration for Discounted Airfares Presenter: <u>Yanli Fang</u> Yan Chen
POMS-0108	Supply Chain Joint Financing Based on an Ex-ante Credit Limit Presenter: <u>Jinjin Zhang</u> Yan Chen
POMS-0109	Social Learning and Information Provision Policy Presenter: <u>Shihong Xiao</u> Ying-Ju Chen

SESSION 2-E: INFORMATION AND INCENTIVES IN EMERGING AREAS OF SUPPLY CHAIN

Day 1: 10:45 - 12:15

Chair: **Shouqiang Wang**

Classroom LSK G012

POMS-0118	Altruistic Rationality: The Values of Strategic Farmers and (Non-)Profit Firms in Crop Planting Decisions Presenter: Wenbin Wang Ming Hu, Yan Liu
POMS-0119	Information Sharing in Technology Adoption Presenter: Wenxin Xu
POMS-0120	Subsidy Policies with Network Externalities Presenter: Saed Alizamir
POMS-0121	Managing Audit Evasion Presenter: Shouqiang Wang Peng Sun, Francis De Vericourt

SESSION 2-F: ECONOMIC MODELS IN OM

Day 1: 10:45 - 12:15

Chair: **Tao Li**

Classroom LSK G007

POMS-0110	Is Electricity Storage Green? A Study on Commercial Building Presenter: Yangfang Helen Zhou
POMS-0123	Quick Response and Information Sharing in a Co-opetitive Supply Chain Presenter: Chen Kanglin Niu Baozhuang, Fang Xin
POMS-0124	On the Structural Properties of Wholesale Price Contracts Within Random Yield Supply Chains Presenter: Guang Xiao Panos Kouvelis
POMS-0125	A Price-Setting Retailer Sourcing from Competing Suppliers Facing Disruptions Presenter: Tao Li Xi Shan, Suresh Sethi

SESSION 3-A: SUPPLY CHAIN MANAGEMENT

Day 1: 15:45 - 17:15

Chair: Ye Lu

Classroom LSK 1003

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|-----------|--|
| POMS-0101 | Joint Replenishment and Transshipment For Three Locations - Asymptotics and Bounds
Presenter: <u>Yin Xu</u>
David D. Yao, Sean X. Zhou, Weifen Zhuang |
| POMS-0025 | Joint Pricing and Inventory Management with Strategic Customers
Presenter: <u>Yiwei Chen</u>
Cong Shi |
| POMS-0033 | Joint Pricing and Inventory Control with Fixed and Convex or Concave Variable Production Costs
Presenter: <u>Peng Hu</u>
Ye Lu, Miao Song |
| POMS-0114 | Learning Valuation Distributions From Bundle Sales
Presenter: <u>Will Ma</u>
David Simchi-Levi |

SESSION 3-B: CONSUMER CHOICE AND ASSORTMENT OPTIMIZATION

Day 1: 15:45 - 17:15

Chair: Yan Liu

Classroom LSK 1026

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| POMS-0001 | Online Assortment Optimization when Consumers Refine Their Search
Presenter: <u>Zhichao Feng</u>
Dorothee Honhon, Shengqi Ye |
| POMS-0017 | Assortment Optimization Under a Synergistic Version of the Multinomial Logit Model
Presenter: <u>Venus Lo</u>
Huseyin Topaloglu |
| POMS-0049 | Efficiency and Performance Guarantees for Choice-based Network Revenue Management Problems with Flexible Products
Presenter: <u>Wang Chi Cheung</u>
David Simchi-Levi |
| POMS-0116 | Dynamic Nonlinear Pricing of Inventories over Finite Sales Horizons
Presenter: <u>Yan Liu</u>
Guillermo Gallego, Michael Z.F. Li |

SESSION 3-C: PRICING DECISIONS

Day 1: 15:45 - 17:15

Chair: Yue Dai

Classroom LSK 1033

POMS-0008	Dynamic Mix-Bundling with Limited Inventory Presenter: <u>Peng Liao</u> Li Jiang, Heng-Qing Ye
POMS-0117	Dynamic Channel Control and Pricing of a Single Perishable Product on Multiple Distribution Channels Presenter: <u>Boqian Song</u> Michael Z.F. Li
POMS-0150	Sensitivity Analysis on Responsive Pricing and Production under Imperfect Demand Updating Presenter: <u>Geoffrey A. Chua</u> Yan Liu
POMS-0133	Managing Cross-Channel with Uniform Pricing: Theory and Empirical Findings Presenter: <u>Yue Dai</u> Yuxin Chen, Zhe Zhang

SESSION 3-D: APPOINTMENT SCHEDULING

Day 1: 15:45 - 17:15

Chair: Rowan Wang

Classroom LSK 1034

POMS-0026	A Comparison of Traditional Overbooking and Pre-charge Strategies for Appointment System Presenter: <u>Yang Zhan</u> Zizhuo Wang, Guohua Wan
POMS-0145	MY-ATLAS: Mapping HCC Tumor Biology to Compute Equitable Exception Points Presenter: <u>Ngai-Hang Zachary Leung</u> Mustafa Akan, Sridhar Tayur, James Markmann, Heidi Yeh
POMS-0098	Markov Decision Process for Outpatients Scheduling with Eligibility Constraints Presenter: <u>Huiqiao Su</u> Shan Wang
POMS-0009	Appointment Systems under Service Level Constraints Presenter: <u>Rowan Wang</u> David Chen, Zhenzhen Yan, Saif Benjaafar, Oualid Jouini

SESSION 3-E: BEHAVIORAL OPERATIONS

Day 1: 15:45 - 17:15

Chair: **Zhijian Cui**

Classroom LSK 1005

POMS-0077	A Behavioral Game Model for Solving an Abnormality in the Capacity Allocation Game Presenter: <u>Peijun Guo</u> Chao Wang
POMS-0140	Scheduling Service Packages with Acclimation and Memory Decay: Model and Algorithm Presenter: <u>Yifu Li</u> Xiangtong Qi
POMS-0093	Do Employees Leave their Jobs in Herds? An Empirical Study of Employee Turnover Presenter: <u>Zhijian Cui</u> Lilun Du, Qing Li

SESSION 3-F: ECOMMERCE

Day 1: 15:45 - 17:15

Chair: **Gajanan B. Panchal**

Classroom LSK G012

POMS-0040	Why and How do Branders Sell New Products on Flash Sales Platforms? Presenter: <u>Mingyang Zhang</u> Juliang Zhang, T.C.E. Cheng, Guowei Hua
POMS-0046	Integrated Model to Adopt Online Shopping in India: A Quantitative Approach Presenter: <u>Amit Sachan</u> Rajiv Kumar
POMS-0088	Big Data Analytics for E-commerce Logistics in Various Countries Presenter: <u>Chun-Chen Lin</u> Pei-Ju Wu
POMS-0137	E-Commerce Demand Planning in a FMCG Market Presenter: <u>Gajanan B. Panchal</u> Hassan Mirzahosseini, Robert de Souza, James Ang, Kok Choon Tan

SESSION 3-G: GAME THEORY AND COMPETITION

Day 1: 15:45 - 17:15

Chair: Tian Quan

Classroom LSK G007

POMS-0047	The Comparison of Two Outsourcing Strategies under Competition and Asymmetric Cost Information Presenter: <u>Fei Lv</u> Xu Guan
POMS-0086	Leadership and Information Exchange in a Supply Chain with Group Buying Presenter: <u>Maosen Zhou</u> Qingyu Zhang
POMS-0103	Information Sharing in Competing Supply Chains with Green Innovations Presenter: <u>Tian Quan</u>
POMS-0041 <CANCELLED>	Competition Strategies for Location-based Mobile Coupon Promotion Presenter: <u>Pengcheng Xia</u> Gang Li, T. C. E. Cheng

SESSION 4-A: INNOVATIONS IN OPERATIONS MANAGEMENT

Day 2: 10:45 - 12:15

Chair: **Xin Fang**

Classroom LSK 1003

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| POMS-0029 | Incentive Issues in the Implementation of Urban Consolidation Centers
Presenter: <u>Xin Fang</u>
Yun Fong Lim |
| POMS-0078 | Capacity Reservation Strategy Under Consumer Panic Buying
Presenter: <u>Lin Zhou</u>
Jing Hou, Shan Zhao |
| POMS-0122 | An Improved NSGA-II Algorithm for Petrol Station Replenishment Problem with Drivers' Workload Balancing
Presenter: <u>Lijun Sun</u>
Haiyang Shi, Xiangpei Hu |

SESSION 4-B: RECENT DEVELOPMENT IN SUPPLY CHAIN MANAGEMENT AND SERVICE SYSTEM

Day 2: 10:45 - 12:15

Chair: **Anyan Qi**

Classroom LSK 1026

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|-----------|---|
| POMS-0055 | Strategic Rationale for Hedging in a Bilateral Supply Chain
Presenter: <u>Yixuan Xiao</u>
Xiaole Wu, Panos Kouvelis |
| POMS-0056 | Decision Structure and Performance of Networked Technology Supply Chains
Presenter: <u>Jingqi Wang</u>
Xiaole Wu, Vish Krishnan |
| POMS-0058 | Does More Private Information by Service Providers Always Hurt Customers?
Presenter: <u>Li Jiang</u>
Chunyan Gao |
| POMS-0057 | Optimal Procurement Mechanisms for Assembly
Presenter: <u>Anyan Qi</u>
Bin Hu |

SESSION 4-C: RETAIL PROMOTIONS AND REVENUE SHARING

Day 2: 10:45 - 12:15

Chair: **Ling-Chieh Kung**

Classroom LSK 1033

POMS-0024	Conditional Promotions and Consumer Overspending Presenter: <u>Thunyarat (Bam) Amornpetchkul</u> Hyun-Soo Ahn, Ozge Sahin
POMS-0066	Signaling Machine Reliability through Revenue Sharing for Radiation Treatments: Impact of Hospital Management Type Presenter: <u>Yu-Hung Chen</u> Ling-Chieh Kung, Jun-Yu Yu, Hsin-Jung Tsai, Yu Jen Wang
POMS-0064	Online In-store Referrals for Products with Heterogeneous Quality Presenter: <u>Ling-Chieh Kung</u> Pei-Yu Sun, Chien-Yu Huang, Wei-Che Lee

SESSION 4-D: SUPPLY CHAIN PERFORMANCE

Day 2: 10:45 - 12:15

Chair: **Karthik Natarajan**

Classroom LSK 1034

POMS-0059	Supply Chain Performance with A Target-oriented Retailer Presenter: <u>Qinshen Tang</u> Lucy Gongtao Chen, Melvyn Sim
POMS-0013	Relationship between Upstream and Downstream Supply Chain Networks and Performance Presenter: <u>Manpreet S. Hora</u> Marcus Bellamy, Soumen Ghosh
POMS-0089	The Benefit of Scale: Capacity Allocation in Differentiated Service System Presenter: <u>Guodong Lyu</u> Mabel Chou, Chung-Piaw Teo, Zhichao Zheng, Yuanguang Zhong
POMS-0023	Asymmetry and Ambiguity in Newsvendor Models Presenter: <u>Karthik Natarajan</u> Melvyn Sim, Joline Uichanco

SESSION 4-E: SOCIAL & ECONOMIC NETWORKS

Day 2: 10:45 - 12:15

Chair: Yang Zhang

Classroom LSK 1005

POMS-0003	Fashion and Homophily Presenter: <u>Zhigang Cao</u> Boyue Zhang, Xiaoguang Yang, Chengzong Qin
POMS-0004	Inventor Diversification in Technology Networks Presenter: <u>Jianxi Luo</u> Jeffrey Alstott, Giorgio Triulzi, Bowen Yan
POMS-0006	The Coevolution of Constrained Network Formation and Minimum-Effort Games Presenter: <u>Zhiwei Cui</u> Fei Shi
POMS-0005	Optimal Nonlinear Pricing in Social Networks under Asymmetric Network Information Presenter: <u>Yang Zhang</u> Ying-Ju Chen

SESSION 4-F: LOGISTICS PLANNING

Day 2: 10:45 - 12:15

Chair: Odkhishig Ganbold

Classroom LSK G012

POMS-0096	City-center Supply of Airport Ancillary Goods Presenter: <u>Hanxiang Zhang</u> Czerny, Achim Ingo
POMS-0136	A Heterogeneous Fleet Two-echelon Capacitated Location-routing Model for Joint Delivery Arising in City Logistics Presenter: <u>Zhao Quanwu</u> Wang Wei
POMS-0131 <CANCELLED>	Port Operations & Maritime Industry Presenter: <u>Niraj Kumar Mahapatra</u>
POMS-0014	Cross-border E-commerce Solutions for China and Europe: Interview Survey Presenter: <u>Odkhishig Ganbold</u> Tsai Yao-Te, Ang Ming Sze, James Ang Soo Keng, Robert de Souza

SESSION 4-G: SUSTAINABLE OPERATIONS MANAGEMENT

Day 2: 10:45 - 12:15

Chair: **Xin Wang**

Classroom LSK G007

POMS-0099	Impacts of Contracts on a Supplier's Environmental Innovation under Emission Tax on a Manufacturer Presenter: <u>Kun Soo Park</u> Se-Youn Jung, Bosung Kim
POMS-0016	The Optimal Reverse Channel Choice under Supply Chain Competition Presenter: <u>Yu Zhou</u> Xiaole Wu
POMS-0149	Revisiting an intelligent Particle Swarm Optimization Algorithm Presenter: <u>Hui-Ming Wee</u> Yen-Deng Huang
POMS-0045	Green Technology Development and Adoption: Competition, Regulation, and Uncertainty - A Global Game Approach Presenter: <u>Xin Wang</u> Soo-Haeng Cho, Alan Scheller-Wolf

SESSION 4-H: DATA DRIVEN RESEARCH

Day 2: 10:45 - 12:15

Chair: **Yong-Hong Kuo**

Classroom LSK 1032

POMS-0050	The Data-driven Analytics for Investigating Food Logistics Management Presenter: <u>Po-Chu Huang</u> Pei-Ju Wu
POMS-0051	Developing a Simulation Model of a Tram Network by using Historical RFID Data Presenter: <u>Henry K.F. Cheung</u> Yong-Hong Kuo , Janny M.Y. Leung, David S.W. Lai, Joshua Hiew
POMS-0052	A Location Based System for Managing Cart Operations at a Mail Facility Presenter: <u>Yong-Hong Kuo</u> Chun Hung Cheng

SESSION 4-I: SERVICE OPERATIONS

Day 2: 10:45 - 12:15

Chair: Shan Wang

Classroom LSK 1027

POMS-S0001	Service Segment Competition: Size or Target, Which Matters? Presenter: <u>Weixiang Huang</u> Wenhui Zhou, Pengfei Guo
POMS-S0005	Banks' Efficiency and Its Determinants: Evidence from Chinese Mainland and His two SARs Presenter: <u>Lei Peng</u> Xinhua Gu, Zhaotong Lian
POMS-S0002	Managing Appointment-based Services in the Presence of Walk-in Patients Presenter: <u>Shan Wang</u> Nan Liu, Guohua Wan

SESSION 5-A: WARRANTY AND QUALITY MANAGEMENT

Day 2: 10:45 - 12:15

Chair: Anshu Dai

Classroom LSK 1003

POMS-0138	How does the Manufacturer's Extended Warranty Policy Affect its Original Basic Warranty? Presenter: <u>Yaqi Lou</u> Shuguang He
POMS-0075	Quality Disclosure Strategies for the Firms in a Competitive Marketplace Presenter: <u>Ciwei Dong</u> Ming Zhao
POMS-0139	Study on the Flexible Preventive Maintenance Strategy for Products Sold with Two-dimensional Warranty Presenter: <u>Anshu Dai</u> Shuguang He, Zhen He, Zixian Liu

SESSION 5-B: LOGISTICS MANAGEMENT

Day 2: 14:00 - 15:30

Chair: Yihuan Yang

Classroom LSK 1026

POMS-0053	Routing Optimization of Hazmat Multimodal Transportation Based on CVaR Assessment Presenter: <u>Rongxue Du</u> Liping Liu
POMS-0062	Container Assignment with Elastic Demand Presenter: <u>Shuaian Wang</u>
POMS-0015	A Stakeholder Analysis of Logistics Synchronization with Consolidation Strategy in Food Supply Chain Presenter: <u>Kok Choon Tan</u> James Soo Keng Ang, Gajanan Bhanudas Panchal
POMS-0141	Generating Delivery Plans in Real Time by Dynamically Evaluating Multiple Scenarios Presenter: <u>Yihuan Yang</u> Xiangtong Qi

SESSION 5-C: STRATEGIC CONSUMERS AND ROBUST OPTIMIZATION

Day 2: 14:00 - 15:30

Chair: Daniel Long

Classroom LSK 1033

POMS-0034	To Ration Or Not To Ration? Selling To Strategic Customers Under Shortage Effect Presenter: <u>Hanqing Liu</u> Peng Hu , Stephen Shum
POMS-0097	Modeling with Infinitely Constrained Ambiguity Sets Presenter: <u>Zhi Chen</u> Melvyn Sim, Huan Xu
POMS-0143 <CANCELLED>	The Impact of Platform Subsidy on the Non-rational Consumers in the Sharing Economy Presenter: <u>Jiaqin Hao</u> Daozhi Zhao
POMS-0165	Mitigating the Price Fluctuation in Quota Systems Presenter: <u>Zheng Cui</u> Daniel Zhuoyu Long
POMS-0166	Cost Sharing for Capacity Transfer in Cooperating Queueing Systems Presenter: <u>Yinlian Zeng</u> Lianmin Zhang, Xiaoqiang Cai, Jun Li

SESSION 5-D: CONTRACT DESIGN

Day 2: 14:00 - 15:30

Chair: **Shantanu Bhattacharya**

Classroom LSK 1034

POMS-0090	Hotel Online Booking Segmentation for Heterogeneous Customers Presenter: <u>Ting Wei</u> Zhaowei Miao, Yongquan Lan
POMS-0031	Contract Design and Renegotiation under Loss-aversion in Public Projects Presenter: <u>Yiwen Zhang</u> Zhuo Feng, Shuibo Zhang
POMS-0142	Rights of First Negotiation and Rights of First Refusal in New Product Development Partnerships Presenter: <u>Shantanu Bhattacharya</u> Guangyu Wan, Sameer Hasija, Niyazi Taneri

SESSION 5-E: CHANNEL AND PURCHASING MANAGEMENT

Day 2: 14:00 - 15:30

Chair: **Chun-Hung Chiu**

Classroom LSK 1005

POMS-0091	Manufacturer's Channel Selection and Pricing Strategies under E-commerce Presenter: <u>Lili Shangguan</u> Yongquan Lan, Zhaowei Miao
POMS-0073	Dual-channel Service and Pricing Strategy Based on Service Free-riding Presenter: <u>Xidong Li</u> Shihua Ma
POMS-0048	Coordinating Supply Chains: Impacts of Channel Leadership and Information Asymmetry Presenter: <u>Chun-Hung Chiu</u> Tsan-Ming Choi, Xun Li, Cedric Ka-Fai Yiu
POMS-0105 <CANCELLED>	The Study on Purchasing Strategies of Two Competitive Manufacturers under Endogenous Supply Disruption Risk Presenter: <u>Laura Lv</u>

SESSION 5-F: ROBUST OPTIMIZATION AND RISK <CANCELLED>

Day 2: 14:00 - 15:30

Classroom LSK G012

POMS-0087 <CANCELLED>	Distributionally Robust Optimization of Carrier Assignment Models in Transportation Procurement Presenter: <u>Ting Wang</u> Qian Hu, Andrew Lim
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SESSION 5-G: SUPPLY CHAIN MANAGEMENT

Day 2: 14:00 - 15:30

Chair: Qiao Wang

Classroom LSK G007

POMS-0027	Free Rider and Deterrence of Supply Chain Encroachment Presenter: <u>Qinquan Cui</u>
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POMS-0054	Research on Supply Chain Lead Time Optimization Based on Shelf Life Presenter: <u>Zhirong Wu</u> Shihua Ma
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POMS-0079	Sourcing Strategy of Strategic Items by Considering the Total Supply Chain Cost and Order Allocation to Suppliers in an Auto Industry Presenter: <u>Sunil Kumar Ambati</u> Priyanka Verma
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POMS-0104	Optimal Timing of Product Introductions When Consumers Exhibit Context-dependent Preferences Presenter: <u>Wang Qiao</u> Chiang Wei-yu Kevin
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SESSION 5-H: BUSINESS ANALYTICS FOR DECISION MAKING

Day 2: 14:00 - 15:30

Chair: Hsiao-Hui Lee

Classroom LSK 1032

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| POMS-0146 | Flexible Market Response Model with Price-Dependent Heteroscedasticity
Presenter: <u>Sirong Luo</u> |
| POMS-0147 | An Easy-to-implement Variable Selection Method for Models Following Heredity
Presenter: <u>William Li</u> |
| POMS-0148 | Simulation Based Predictive Analytics for Dynamic Queueing Systems
Presenter: <u>Huiyin Ouyang</u> |
| POMS-0167 | Reducing Inventory Waste: Optimal Order-Up-to Level with Service Level Agreements in a Finite Horizon
Presenter: <u>Qi Deng</u>
Yinliang Ricky Tan, Anand Paul, Lai Wei |

SESSION 5-I: ECONOMICS AND OPERATIONS MANAGEMENT

Day 2: 14:00 - 15:30

Chair: Huiqiang Mao

Classroom LSK 1027

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| POMS-S0003 | On the Interaction between Product Rollover Strategy and Pricing Scheme
Presenter: <u>Jingchen Liu</u>
Lihua Chen, Xin Zhai |
| POMS-S0006 | Performance Evaluation and Optimization of Gaming Industry in Macau during 2007-2014
Presenter: <u>Qiang Deng</u>
Zhaotong Lian, Xinhua Gu |
| POMS-S0009 | Impacts of Carbon Policies under Imperfect Competition: The Real Price of Carbon Reduction
Presenter: <u>Huiqiang Mao</u>
Yanzhi Li |

SESSION 6-A: LOGISTICS AND SUPPLY CHAIN MANAGEMENT

Day 2: 15:45 - 17:15

Chair: Guodong Lyu

Classroom LSK 1003

POMS-0028	Assessing Uncertainty: A Model-output Oriented Approach Presenter: <u>Achim I. Czerny</u> Erik T. Verhoef, Anming Zhang
POMS-0115	Experimental Analysis of the Newsvendor Problem with Minimum Order Quantity Contracts Presenter: <u>Özge Tüncel</u> Niyazi Taneri, Sameer Hasija
POMS-0151	Multi Criteria Optimization Model for Prepositioning of Relief Items: A Case Study of Chennai Floods 2015 Presenter: <u>Ashish Kumar Kaushal</u> Ravi Shankar

SESSION 6-B: OM IN HEALTH CARE SYSTEMS

Day 2: 15:45 - 17:15

Chair: Tinglong Dai

Classroom LSK 1026

POMS-0164 <CANCELLED>	Multi-source and Multi-destination Emergency Evacuation Problem Presenter: <u>Jianghua Zhang</u> Yang Liu
POMS-0159	Network Analysis of Patient Transfer Behavior in a Hierarchical Medical System Presenter: <u>Runkang Ding</u> Jingui Xie, Yugang Yu
POMS-0100	Tax/Subsidy and Capacity Decisions in A Two-tier Health System with Welfare Redistributive Objective Presenter: <u>Weifen Zhuang</u> Qu Qian
POMS-0067	Conspicuous by Its Absence: Diagnostic Expert Testing Under Uncertainty Presenter: <u>Tinglong Dai</u> Shubhranshu Singh

SESSION 6-C: INTERFACE BETWEEN OM AND MARKETING

Day 2: 15:45 - 17:15

Chair: Rui Zheng

Classroom LSK 1033

POMS-0152	Promotion Planning of Network Goods Presenter: <u>Ningyuan Chen</u> Saed Alizamir, Vahideh Manshadi
POMS-0011	Analysis of Gray Markets in Differentiated Duopoly with Different Power Structures Presenter: <u>Hai Li</u> Stuart X. Zhu
POMS-0032	Who Compensates the Sales Agent? Presenter: <u>Duo Shi</u> Panos Kouvelis
POMS-0155	Pricing in Social Networks with Strategic Consumers Presenter: <u>Rui Zheng</u> Biyong Shou

SESSION 6-D: SUPPLY CHAIN MANAGEMENT

Day 2: 15:45 - 17:15

Chair: Zelong Yi

Classroom LSK 1034

POMS-0095	Financing a Small Capital-constrained Community Firm Based on Advance Selling and Social Ties Presenter: <u>Shuang Xiao</u> Song Alex Yang, Yiangos Papanastasiou
POMS-0076	The Decisions of Supplier and Capital Constrained Retailer with Marketing Expansion Presenter: <u>Wen Ding</u> Wenhui Zhao, Panos Kouvelis, Guohua Wan
POMS-0102	How to Finance Agricultural-Product Suppliers? Presenter: <u>Zelong Yi</u> Ying-Ju Chen, Yulan Wang

SESSION 6-E: GREEN EFFORTS AND LOCATION MANAGEMENT

Day 2: 15:45 - 17:15

Chair: **Qi Fu**

Classroom LSK 1005

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| POMS-0168 | Vertical or Horizontal Cooperation in a Competitive Supply Chain for Investing Greening Efforts
Presenter: <u>Peng Ma</u> |
| POMS-0080 | The Evolutionary Game Analysis of Collaboration on Carbon Reduction Behavior by Manufacturer and Retailer in Supply Chain
Presenter: <u>Yuan Bai-yun</u> |
| POMS-0154 | A New Method to Stabilize the Grand Coalitions of Unbalanced Uncapacitated Facility Location Games
Presenter: <u>Lindong Liu</u>
Xiangtong Qi, Zhou Xu |
| POMS-0153 | An Inventory Model with Transshipment and Demand Substitution
Presenter: <u>Qi Fu</u> |
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SESSION 6-F: THE OR/OM MODELS AND THEIR APPLICATIONS

Day 2: 15:45 - 17:15

Chair: **Jiheng Zhang**

Classroom LSK G012

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| POMS-0156 | Analysis of Pooling Effect for Multiple Products Using a Single Warranty Reserve
Presenter: <u>Zhang Ruijie</u>
Xie Wei , Zhong Yuanguang, Zhou Yongwu |
| POMS-0157 | Beyond Heavy-traffic Regimes: Universal Bounds and Controls for the Single-server Queue
Presenter: <u>Junfei Huang</u>
Itai Gurvich |
| POMS-0085 | The Cost of Skipping the Line
Presenter: <u>Chen Xiaole</u>
Li Yang, Huang Junfei |
| POMS-0172 | Capacity Design and Allocation in Unbalanced Networks with Flexibility
Presenter: <u>Jingui Xie</u>
Marcus Ang, Mabel C. Chou, David D. Yao |
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SESSION 6-G: HEALTHCARE OPERATIONS MANAGEMENT

Day 2: 15:45 - 17:15

Chair: Jin Qi

Classroom LSK G007

POMS-0160	Optimal Resource Allocation in Breast Cancer Screening with Different Risk Groups Presenter: <u>Qingxia Kong</u> Susana Mondschein
POMS-0161	Personalized Medical Decision Making for Type II Diabetes Treatment Presenter: <u>Shasha Han</u> Joel Goh, Melvyn Sim
POMS-0162	Allocation of ICU Beds during Periods of High Demand Presenter: <u>Huiyin Ouyang</u> Nilay T. Argon, Serhan Ziya
POMS-0163	Markov Decision Process based Nurse Night Shift Assignment with Burn-Out Considered Presenter: <u>Geng Na</u> Zhou Chun-meng, Andrea Matta

SESSION 6-H: TECHNOLOGY MANAGEMENT

Day 2: 15:45 - 17:15

Chair: Jingqi Wang

Classroom LSK 1032

POMS-0169	Demand Learning and Agreement Delay in Technology Adoption Presenter: <u>Wei Zhang</u> Reza Ahmadi, Sriram Dasu
POMS-0170	Investment Strategies in Technology Adoption: Chase the New or Walk with the Old? Presenter: <u>Haiping Hui</u> Wei Zhang, Hsiao-Hui Lee
POMS-0171	Supply-Chain Innovation Spillover and New Product Introduction Presenter: <u>Hsiao-Hui Lee</u> Haiping Hui, Po-Hsuan Hsu

SESSION 6-I: SUPPLY CHAIN MANAGEMENT

Day 2: 15:45 - 17:15

Chair: Liu Jing

Classroom LSK 1027

POMS-S0007 **Supply Chain Coordination Using Revenue-Sharing Contract with Perishable Products**

Presenter: Renfei Luo

Zhaotong Lian

POMS-S0013 **Performance Bounds and Asymptotic Optimality of (r;Q) Policies for Stochastic Distribution Inventory Systems**

Presenter: Han Zhu

POMS-S0016 **Store Brand and Asymmetric Demand Information in a Decentralized Supply Chain**

Presenter: Liu Jing

Ke Fu, Weixin Shang