Zhe	Liu
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Academic Appointment	-	Imperial College London, Imperial College Business SchoolLoDepartment of Analytics, Marketing & OperationsLo		ondon, UK) – current	
Education		Columbia University, Graduate Sch Ph.D., Operations Management Advisors: Awi Federgruen, Costis M	2	York, NY 013 – 2019	
		Tsinghua University B.S., Industrial Engineering Advisor: Zuo-Jun Max Shen		ing, China 009 – 2013	
RESEARCH Revenue management: operations and design of sharing economy pla INTERESTS ment optimization			d design of sharing economy platform	ns, assort-	
		Supply chain management: multi-sourcing, inventory management			
Journal (1) Publications		 Ride-Hailing Networks with Strategic Drivers: The Impact of Platform Control Capabilities on Performance, <i>Manufacturing & Service Operations Management</i>, 25(5): 1890-1908, 2023 (with Philipp Afèche and Costis Maglaras) MSOM Service SIG Invited Talk, 2018 			
	(2)	Combined Pricing and Inventory Control Research Letters, 51(1): 60-66, 2023 (Operations	
	(3)	 Dual Sourcing: Creating and Utilizing F Production and Operations Managem gruen and Lijian Lu) 2nd Place, POMS College of SCM 2nd Place, POMS-HK Best Student 	ent, 31(7): 2789-2805, 2022 (with A Student Paper Competition, 2018		
	(4)	 Synthesis and Generalization of Structureralized Convexity Property, Mathem 2020 (with Awi Federgruen and Lijian Finalist, George Nicholson Studen MSOM Supply Chain Management 	atics of Operations Research, 45(2) a Lu) t Paper Competition, 2018		
Working Papers	(5)	Dual Sourcing under Internal and Externations Management, major revision. (MSOM Supply Chain Management	with Awi Federgruen and Jiaqi Lu)	rvice Oper-	
	(6)	Sourcing with Demand Updates, Managerergruen and Jiaqi Lu)MSOM Supply Chain Management		n Awi Fed-	
	(7)	 Operating Three-sided Marketplace: Prittems, Management Science, major rev. 1st Place, INFORMS Service Scienting 2nd Place, CSAMSE Best Paper A 	ision. (with Yiwen Shen and Yanwe ace Best Cluster Paper Award, 2024		
	(8)	Assortment Optimization and Pricing in	a Queue, Management Science, une	ler review.	

(8) Assortment Optimization and Pricing in a Queue, Management Science, under review (with Kalyan Talluri and Shixin Wang)

(9)	 Information Design and Pricing of Supply Competition in Lead-Sellin submitted. (with Yanwei Sun, Niloofar Zamani-Foroushani and Jia ACM Conference on Economics and Computation (EC), 2024 	
(10)	Polling Systems with Strategic Customers, in preparation. (with Yanw Yan)	vei Sun and Chiwei
(11)	Robust Weakly Coupled Markov Decision Processes, in preparation. and Wolfram Wiesemann)	(with Fupeng Sun
(12)	Surge Pricing and Dynamic Matching for Hotspot Demand Shock in works, <i>in preparation</i> . (with Philipp Afèche and Costis Maglaras)	Ride-Hailing Net-
Other Works	Inventory Strategies for Service-Sensitive Demands, Undergraduate Z visor: Zuo-Jun Max Shen)	<i>Thesis</i> , 2013. (Ad-
	Service Parts Demand Forecasting and Multi-Echelon Inventory Net search Report for Caterpillar Logistics, 2013. (with K. Wang, W. Z	
	Multistage Stochastic Mixed-Integer Programs for Optimizing Gas Contenance Scheduling, <i>Permanent working paper</i> , 2012. (with Sigian	
	Intermittent Demand Forecasting of Slow Moving Parts, <i>Tsinghua & Journal</i> , 4(2): 34-49, 2012. (with Jialing Tao and Yi Yang)	University Student
CASES	ILUMÉXICO: A Built-for-Assembly Supply Chain Strategy, <i>Columbia CaseWorks</i> , ID: 170203, 2017. (with Awi Federgruen and Abigail Talcott-Schlaifer)	
Industry	Research Scientist Intern, Amazon, Seattle	June – Aug. 2018
Teaching	• Maths and Statistics Foundations for Analytics (MSBA core)	2020 - 2024 2021 - 2022 2020, 2022 - 2024 2019 - 2024
	 London Business School, London, UK Demand and Revenue Management (PhD elective) Advanced Optimization (PhD elective) 	$2020, 2022, 2024 \\ 2023$
	 Columbia Business School, New York, NY MBA Excel Workshop—Advanced Level Intro to Spreadsheet Optimization and Simulation (MSE master) 	2015 - 2017 2016 - 2017
Honors and Awards	 1st Place, INFORMS Service Science Best Cluster Paper Award, 2nd Place, CSAMSE Best Paper Award, 2024 MSOM Supply Chain Management SIG Invited Talk, 2023 Management Science Meritorious Service Award, 2022 MSOM Meritorious Service Award, 2022 MSOM Supply Chain Management SIG Invited Talk, 2021 2nd Place, POMS-HK Best Student Paper Competition, 2019 Finalist, George Nicholson Student Paper Competition, 2018 2nd Place, POMS College of SCM Student Paper Competition, 2 Doctoral Fellow Presentation at Deming Cup Award Ceremony, 2 Chazen Institute for Global Business Research Award, 2018 MSOM Supply Chain Management SIG Invited Talk (8/43 subm Deming Doctoral Research Fellowship, 2016 Deming Doctoral Research Fellowship, 2015 	018 2018

	 Doctoral Fellowship, Columbia Business School, 2013–2018 Tsinghua University Outstanding Undergraduate Student Award, 2013. Beijing Outstanding Undergraduate Student Award, 2013. President Jiang Nan-Xiang Scholarship, Tsinghua University, 2012. 1st Place, 30th Tsinghua Challenge Cup Research and Innovation Contee Changhong Scholarship, Tsinghua University, 2011. Outstanding Prize (Top 4/8000) in 27th National College Physics Contee OOCL Scholarship, Tsinghua University, 2010. 	,	
Services	 PhD Director of the Analytics & Operations area, Imperial College Busic Guest Associate Editor for Naval Research Logistics Journal referee for Management Science, Manufacturing & Service Operations Management, Operations Research, Operations Research Letters, Production tions Management, Transportation Science, Transportation Research Pare External reviewer for the Research Grants Council (RGC) of Hong Kong Member of the INFORMS RMP Jeff McGill Student Paper Award Comm Reviewer for the MSOM Service SIG Conference, 2022, 2024 Reviewer for the MSOM Supply Chain Management SIG Conference, 2024 Judge for the POMS-HK Best Student Paper Competition, 2024 Judge for the CSAMSE Best Paper Competition, 2024 Organizer of the 2023 INFORMS RMP Annual Conference, Imperial Consess School 	utions 1 n & O rt B g nittee, 20 – 2	Man-)pera- 2024 2022
Student	Current PhD students		
SUPERVISION	• Fupeng Sun, 2023 –		
	• Yanwei Sun, 2022 –		
	• Niloofar Zamani-Foroushani, 2021 –		
Invited Seminars	 S • Durham University, Business School Hong Kong University of Science and Technology, Department of IEDA Chinese University of Hong Kong, Shenzhen, School of Data Science Hong Kong Polytechnic University Rotman Young Scholar Seminar Series, University of Toronto Chinese University of Hong Kong, CUHK Business School Shanghai Jiao Tong University, Antai College of Economics and Manage University of Science and Technology of China, School of Management Tianjin University, College of Management and Economics Fudan University, School of Management University College London, School of Management Imperial College London, Imperial College Business School University of Miami, Miami Business School Indiana University, Kelley School of Business University of Hong Kong, Faculty of Business City University of Hong Kong, College of Business Hong Kong University of Science and Technology, HKUST Business School Northwestern University, Kellogg School of Management 	ement	2024 2023 2022 2022 2022 2021 2021 2021 2021
Conference Talks	 INFORMS Annual Meeting, Seattle, WA INFORMS RMP Section Conference, UCLA MSOM Annual Conference, Minneapolis, MN (2 talks) INFORMS Annual Meeting, Phoenix, AZ Marketplace Innovation Workshop (virtual) 	July July Oct.	2024 2024 2024 2023 2023

• INFORMS RMP Section Conference (virtual), Chicago Booth	June 202	22
• Marketplace Innovation Workshop (virtual)	May 202	22
• INFORMS Annual Meeting (virtual), Anaheim, CA	Oct. 202	21
• CSAMSE Annual Conference, Shanghai, China	July 202	21
• INFORMS RMP Section Conference (virtual), Johns Hopkins Universit	y June 202	21
• MSOM Annual Conference (virtual), Indiana University	June 202	21
• INFORMS Annual Meeting (virtual) (2 talks)	Nov. 202	20
• INFORMS Annual Meeting, Seattle, WA (3 talks)	Oct. 201	9
• 5th Annual Fashion Operations and Retailing Conference, London, UK	Oct. 201	9
• MSOM Annual Conference, Singapore	July 201	9
• INFORMS RMP Section Conference, Stanford, CA	June 201	9
• POMS-HK Int'l Conference (Student Paper Competition), Hong Kong	Jan. 201	9
• INFORMS Annual Meeting, Phoenix, AZ (3 talks; George Nicholson St	udent Pape	er
Competition)	Nov. 201	8
• MSOM Service SIG Meeting, Dallas, TX	July 201	8
• MSOM Supply Chain Management SIG Meeting, Dallas, TX	July 201	.8
• MSOM Annual Conference, Dallas, TX (2 talks)	July 201	.8
• INFORMS RMP Section Conference, Toronto, Canada	June 201	8
• POMS Annual Conference (Student Paper Competition), Houston, TX	May 201	.8
• INFORMS Annual Meeting, Houston, TX (2 talks)	Oct. 201	7
• Amazon Supply Chain Optimization Summit (Poster), Seattle, WA	Oct. 201	7
• CSAMSE Annual Conference, Guangzhou, China	July 201	7
• MSOM Annual Conference, Chapel Hill, NC	June 201	.7
• Marketplace Innovation Workshop, Stanford, CA	June 201	.7
• Deming Doctoral Fellow Seminar, New York, NY	April 201	.7
• INFORMS Annual Meeting, Nashville, TN (3 talks)	Nov. 201	.6
• MSOM Annual Conference, Auckland, New Zealand (2 talks)	July 201	.6
• INFORMS RMP Section Conference, New York, NY	June 201	.6
• Trans-Atlantic Doctoral Conference, London, UK	May 201	.6
• Deming Doctoral Fellow Seminar, New York, NY	April 201	6

Last updated on October 25, 2024