Zhe	Liu

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Academic Appointment		Imperial College London, Imperial Department of Analytics, Marketing & Assistant Professor of Operations Mar	<i>ö</i> Operations	
Education		Columbia University, Graduate Scher Ph.D., Operations Management Advisors: Awi Federgruen, Costis Ma	2013 - 2019	
		Tsinghua University B.S., Industrial Engineering Advisor: Zuo-Jun Max Shen	Beijing, China 2009–2013	
Research Interests				
		Supply chain management: multi-sou	rcing, inventory management	
Journal Publications	[1]	 Dual Sourcing under Internal and External Volatilities, <i>Manufacturing & Service Operations Management</i>, forthcoming, 2025. (with Awi Federgruen and Jiaqi Lu) MSOM Supply Chain Management SIG Invited Talk, 2021 		
	[2]			
	[3]		, with Multiple Unreliable Suppliers, Opera- 5, 2023 (with Awi Federgruen and Jiaqi Lu)	
	[4]			
	[5]	Synthesis and Generalization of Structure	al Results in Inventory Management: A Gen- atics of Operations Research, 45(2): 547- jian Lu) Paper Competition, 2018	
Working Papers	[6]	• •	gement Science, major revision. (with Awi	
	[7]			
	[8]		Selling Platforms with Supply Competition, a. (with Yanwei Sun, Niloofar Zamani-Foroushar	

	[9]	Assortment Optimization and Pricing in a Queue, <i>Management S</i> resubmit. (with Kalyan Talluri and Shixin Wang)	Science, reject &
	[10]	On-Off Systems with Strategic Customers, <i>Operations Research</i> , un Yanwei Sun and Chiwei Yan)	nder review. (with
	[11]	Trip Radar: a Controlled Decentralized System to Enhance Match Hailing, to be submitted. (with Hongfan Chen, Anran Li and Quan	-
	[12]	Robust Weakly Coupled Markov Decision Processes, in preparation. and Wolfram Wiesemann)	(with Fupeng Sun
	[13]	Surge Pricing and Dynamic Matching for Hotspot Demand Shock in Ride-Hailing Net- works, <i>in preparation</i> . (with Philipp Afèche and Costis Maglaras)	
	[14]	The Price of Prestige: Exclusive Pricing and Selling of Luxury Bands a Dynamics, <i>in preparation</i> . (with Anran Li and Rachel Q. Zhang)	and Resale Market
Other Works		Inventory Strategies for Service-Sensitive Demands, Undergraduate Thesis, 2013. (Advisor: Zuo-Jun Max Shen)	
		Service Parts Demand Forecasting and Multi-Echelon Inventory Net search Report for Caterpillar Logistics, 2013. (with K. Wang, W. Z	0
		Multistage Stochastic Mixed-Integer Programs for Optimizing Gas Contenance Scheduling, <i>Permanent working paper</i> , 2012. (with Siqian	
		Intermittent Demand Forecasting of Slow Moving Parts, <i>Tsinghua U 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		 Imperial College Business School, London, UK Big Data, AI and Machine Learning (MBA elective) Decision Analytics (MBA core) Optimization (PhD core) Maths and Statistics Foundations for Analytics (MSBA core) 	$\begin{array}{c} 2020-2025\\ 2021-2022\\ 2020,\ 2022-2025\\ 2019-2025\end{array}$
		 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) 	$\begin{array}{c} 2015 – 2017 \\ 2016 – 2017 \end{array}$
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, 2019 	

- Proceedings of the 25th ACM Conference on Economics and Computation, ${\it EC'24}$

	 Doctoral Fellow Presentation at Deming Cup Award Ceremony, 2018 Chazen Institute for Global Business Research Award, 2018 MSOM Service SIG Invited Talk (8/66 submissions), 2018 MSOM Supply Chain Management SIG Invited Talk (8/43 submissions), 2018 Deming Doctoral Research Fellowship, 2016 Deming Doctoral Research Fellowship, 2015 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 Contest, 20 Changhong Scholarship, Tsinghua University, 2011. Outstanding Prize (Top 4/8000) in 27th National College Physics Contest, 20 OOCL Scholarship, Tsinghua University, 2010.)12.
Services	 PhD Director of the Analytics & Operations area, Imperial College Business S. Guest Associate Editor for Naval Research Logistics Journal referee for Management Science, Manufacturing & Service Operations agement, Operations Research, Operations Research Letters, Production & Octions Management, Transportation Science, Transportation Research Part B External reviewer for the Research Grants Council (RGC) of Hong Kong Committee Member of the INFORMS RMP Jeff McGill Student Paper Award, 2025 Reviewer for the MSOM Service SIG Conference, 2022, 2024 Reviewer for the MSOM Supply Chain Management SIG Conference, 2020-2025 Judge for the POMS-HK Best Student Paper Competition, 2023-2024 Judge for the MSOM Student Paper Competition, 2024-2025 Judge for the POMS College of Service Operations Management Best Student Competition, 2025 Committee Member of the 2026 INFORMS TSL Conference, 2025 Organizer of the 2023 INFORMS RMP Annual Conference, Imperial College ness School 	Man- Dpera- 2024– -2022, Paper
Student Supervision	Current PhD students • Niloofar Zamani-Foroushani, 2021 – • Yanwei Sun, 2022 – • Fupeng Sun, 2023 –	
Invited Seminar	 S • University of Macau, Faculty of Business Administration IESE Business School Xi'an Jiaotong University, School of Management Durham University, Business School Control and Optimization Seminar, Imperial College London 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 Management University of Science and Technology of China, School of Management Tianjin University, School of Management and Economics Fudan University, School of Management 	2025 2025 2024 2024 2023 2023 2022 2022 2022 2022

	• University College London, School of Management	2019
	• Imperial College London, Imperial College Business School	2019
	• University of Toronto, Rotman School of Management	2019
	• University of Miami, Miami Business School	2019
	• Indiana University, Kelley School of Business	2019
	• University of Hong Kong, Faculty of Business and Economics	2019
	 City University of Hong Kong, College of Business 	2019
	 Hong Kong University of Science and Technology, HKUST Business School 	
	 Northwestern University, Kellogg School of Management 	2019 2018
	• Northwestern University, Kenogg School of Management	2016
Conference	• INFORMS RMP Section Conference, Columbia University	July 2025
TALKS	• MSOM Annual Conference, London Business School, London	June 2025
	• INFORMS Annual Meeting, Seattle, WA	Oct. 2024
	• INFORMS RMP Section Conference, UCLA	July 2024
	• MSOM Annual Conference, Minneapolis, MN (2 talks)	July 2024
	• INFORMS Annual Meeting, Phoenix, AZ	Oct. 2023
	• Marketplace Innovation Workshop (virtual)	May 2023
	• INFORMS RMP Section Conference (virtual), Chicago Booth	June 2022
	 Marketplace Innovation Workshop (virtual) 	May 2022
	• INFORMS Annual Meeting (virtual), Anaheim, CA	Oct. 2021
	CSAMSE Annual Conference, Shanghai, China	July 2021
	• INFORMS RMP Section Conference (virtual), Johns Hopkins University	•
	 MSOM Annual Conference (virtual), Indiana University 	June 2021
		Nov. 2020
	• INFORMS Annual Meeting, Seattle, WA (3 talks)	Oct. 2019
	 5th Annual Fashion Operations and Retailing Conference, London, UK 	Oct. 2019 Oct. 2019
	 MSOM Annual Conference, Singapore 	July 2019
		June 2019
	• INFORMS RMP Section Conference, Stanford, CA	
	• POMS-HK Int'l Conference (Student Paper Competition), Hong Kong	Jan. 2019
	• INFORMS Annual Meeting, Phoenix, AZ (3 talks; George Nicholson Stud	-
	- ,	Nov. 2018
	MSOM Service SIG Meeting, Dallas, TX MSOM Service Chain Management SIG Masting Dallas, TX	July 2018
	MSOM Supply Chain Management SIG Meeting, Dallas, TX MSOM Annual Confirming, Dallas, TX (2 tallar)	July 2018
	• MSOM Annual Conference, Dallas, TX (2 talks)	July 2018
	• INFORMS RMP Section Conference, Toronto, Canada	June 2018
	• POMS Annual Conference (Student Paper Competition), Houston, TX	May 2018
	• INFORMS Annual Meeting, Houston, TX (2 talks)	Oct. 2017
	• Amazon Supply Chain Optimization Summit (Poster), Seattle, WA	Oct. 2017
	• CSAMSE Annual Conference, Guangzhou, China	July 2017
	• MSOM Annual Conference, Chapel Hill, NC	June 2017
	• Marketplace Innovation Workshop, Stanford, CA	June 2017
		April 2017
		Nov. 2016
	• MSOM Annual Conference, Auckland, New Zealand (2 talks)	July 2016
	• INFORMS RMP Section Conference, New York, NY	June 2016
	• Trans-Atlantic Doctoral Conference, London, UK	May 2016
	• Deming Doctoral Fellow Seminar, New York, NY	April 2016

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