YU NU

Cornell SC Johnson College of Business ◇ Cornell Tech/Cornell University
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EDUCATION

Cornell Tech/Cornell University　　　　　　　　　　　　　　　　　New York, NY
Ph.D. in Operations, Technology & Information Management　　　　　　　2019 - 2025
Samuel Curtis Johnson Graduate School of Management　　　　　　　　　(expected)
Cornell SC Johnson College of Business

Wuhan University　　　　　　　　　　　　　　　　　　　　　　　Wuhan, China
B.S. in Management Science and Engineering (with highest honors)　　　　2015 - 2019

RESEARCH INTERESTS

Topic: Food Waste, Perishable Inventory Management, AI and Operations, Digital Technology
Methodology: Causal Inference, Machine Learning, Data-Driven Optimization, Experiment

RESEARCH PAPERS

Published and Under-Review Papers

1. "Using Artificial Intelligence to Reduce Food Waste." with Elena Belavina and Karan Girotra, *Under review at Management Science.*

2. "Pricing and Capacity Allocation: Implications for Manufacturers with Product Sharing." with Bin Dai. *Naval Research Logistics* 2020, 67(3): 201-222.

3. "Interactions of Traceability and Reliability Optimization in a Competitive Supply Chain with Product Recall." with Bin Dai and Jianbin Li. *European Journal of Operational Research* 2021, 290(1): 116-131.

Working Papers and Work in Progress

1. "Artificial Intelligence Co-Pilots for Data-driven Perishable Inventory Management." with Meng Qi, Elena Belavina and Karan Girotra, *In Preparation for Manuscript.*

2. "Identification of Behavioral Decision Models for Perishable Products Using Moment Inequalities." with Elena Belavina and Karan Girotra, *Work in Progress.*

HONORS & AWARDS

Climate Solutions Fund Award ($102,312), Cornell University	2024
Byron E. Grote Johnson Professional Scholarship, Cornell University	2020, 2022
Graduate School Fellowship, Cornell University	2019–2024
Wuhan Outstanding Graduates Award, Wuhan University	2019
National Scholarship (Top 1.8%), Wuhan University	2016–2018

TEACHING EXPERIENCE

Co-instructor　　　　　　　　　　　　　　　　　　　　　　　　　Cornell Tech

　◇ Review Session for NCCW 5080 Managing Operations (Healthcare EMBA), 4.80/5　　　Fall 2022

　◇ Review Session for NCCY 5080 Operations Management (MBA), 4.85/5　　　Fall 2021

Teaching Assistant	Cornell Tech
◇ NCCY 5080 Operations Management (MBA), 4.82/5	Fall 2022
◇ NCCE 5080 Managing Operations (EMBA), 4.60/5	Spring 2022
◇ NCCE 5080 Managing Operations (EMBA)	Spring 2021
◇ NCCY 5080 Operations Management (MBA)	Fall 2020

SELECTED INVITED TALKS

"Artificial Intelligence Co-Pilots for Data-driven Perishable Inventory Management"

◇ 2024 INFORMS MSOM Conference, Minneapolis, MN (*scheduled*)	Jun 2024
◇ 2022 INFORMS Annual Meeting, Indianapolis, IN	Oct 2022

"Using Artificial Intelligence to Reduce Food Waste"

◇ 2024 INFORMS Annual Meeting, Seattle, WA (*scheduled*)	Oct 2024
◇ First OM Workshop on Food Waste Reduction, Munich, Germany (*scheduled*)	Sep 2024
◇ 2023 INFORMS Annual Meeting, Phoenix, AZ	Oct 2023
◇ 2023 INFORMS MSOM Conference, Montreal, QC, Canada	Jun 2023
◇ 2023 Early-Career Sustainable OM Workshop, Amherst, MA	Feb 2023
◇ 2022 CHR Board Annual Meeting, New York, NY	Nov 2022
◇ 2021 OTIM PhD Forum, Ithaca, NY	Dec 2021
◇ 2021 INFORMS Annual Meeting, Anaheim, CA	Oct 2021

"Pricing and Capacity Allocation: Implications for Manufacturers with Product Sharing"

◇ 2018 & 2019 POMS-HK Conference, Hong Kong	Jan 2018 & 2019

"Interactions of Traceability and Reliability Optimization in a Competitive Supply Chain with Product Recall"

◇ 2018 Workshop on Behavioral Operations Management, Guangzhou	Dec 2018

SERVICE & MISCELLANEOUS

Professional Service

◇ Session Co-chair, INFORMS Annual Meeting	2024
◇ Program Committee Member for INFORMS Data Science Workshop	2024
◇ Co-chair, OTIM PhD Forum, Cornell University	2021–2022

Skills

- ◇ **Programming**: Python, R, Matlab, SQL, LaTeX, Lyx
- ◇ **Language**: Mandarin (native), English (fluent)
- ◇ **Music**: Violin (Member of the Musicians Association, China)

REFERENCES

Prof. Karan Girotra
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SC Johnson College of Business & Cornell Tech
Cornell University
Email: girotra@cornell.edu

Prof. Elena Belavina
Operations, Technology & Information Management
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Prof. Qi Meng
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