Chenxi Xu

CONTACT INFORMATION	The Fuqua School of Business Duke University 100 Fuqua Dr, Durham, NC 27708	Mobile: +1 (984) 244-8233 Email: chenxi.xu@duke.edu Website: chenxi-xu.github.io

EDUCATION

Duke University, Durham, NC
The Fuqua School of Business — 2020-Present
Ph.D. (Expected May 2026) in Decision Sciences
- Advisor: Peng Sun

Duke University, Durham, NC
Department of Economics — 2018-2020
M.S. in Financial Economics

Shanghai Jiao Tong University, Shanghai, China
Antai College of Economics and Management — 2014-2018
B.S. in Economics

RESEARCH INTERESTS

Topics: Mechanism design and applications in innovation and healthcare management; Market design

Methodology: Analytical modeling; Optimization

WORKING PAPERS

1. **Optimal Push, Pull, and Failure Funding for Global Health**, with David Ridley and Peng Sun, under Major Revision at *Management Science*

2. **Conditional and Lenient Drug Approvals**, with Giuseppe Lopomo, David Ridley, and Peng Sun, under Major Revision at *Management Science*

3. **Beyond Truthful Reporting: Robust Strategies for Worst-Case Payoff Maximization in Large Markets**, with Vinh Nguyen and Saša Pekeč, , conditionally accepted at *Information Systems Research*

4. **Government Funding Allocation in Obesity Medicine R&D: Theory and Experiments**, with Ziwei Zhu and Yushan Zhou

WORK IN PROGRESS

Funding mechanisms for multi-stage innovation, with David Ridley and Peng Sun

TEACHING EXPERIENCE

Duke University, Durham, NC

Instructor
- EGRMGMT 580 *Decision Models* (Master of engineering management), 2024 Spring
  - Evaluation: 4.67/5.0
  - Topics: decision tree, Monte Carlo Simulation, and linear optimization

Teaching Assistant
- *Decision Models* (GEMBA, MMS, MQM, WEMBA), 2021-2025
  - Organized review sessions; Graded assignments, team projects, and exams; Responded to students' requests
  - Instructor(s): Peng Sun (2021-2024); Yehua Wei (2025)

- *Dynamic Programming and Optimal Control* (PhD), 2023 Spring
  - Instructor: Peng Sun

- *Stochastic Models* (PhD), 2024 Fall
  - Instructor: Alessandro Arlotto

PROFESSIONAL SERVICES

Journal Referee: *Operations Research, Mathematics of Operations Research, Service Science*

Organizing Committee Member
  - Fuqua's Interdisciplinary Seminar, 2021-2022

HONORS & AWARDS

Doctoral Fellowship, Duke University	2020-2025
Outstanding Graduate Award, Shanghai Jiao Tong University	2018
Chailease International Scholarship, Shanghai Jiao Tong University	2016

CONFERENCE PRESENTATIONS

INFORMS annual meeting	2023-2025
POMS annual meeting	2025

OTHER SKILLS

Programming: MATLAB, Mathematica
Languages: Mandarin (native), English (fluent)

REFERENCES

Peng Sun (Chair)
J.B. Fuqua Distinguished Professor of Business Administration
Fuqua School of Business, Duke University, Durham, NC
psun@duke.edu

Giuseppe Lopomo (Co-chair)
Alan D. Schwartz Distinguished Professor of Business Administration
Fuqua School of Business, Duke University, Durham, NC
glopomo@duke.edu

Saša Pekeč
Peterjohn-Richards Distinguished Professor of Business Administration
Fuqua School of Business, Duke University, Durham, NC
pekec@duke.edu

David Ridley
Professor of the Practice of Business, Economics, and Public Policy and Dr. and Mrs. Frank A. Riddick, Jr. Research Fellow
Fuqua School of Business, Duke University, Durham, NC
david.ridley@duke.edu