

DI LIU

University of Bristol Business School
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EDUCATION

- University of Bristol**, Bristol, UK 2023–Present
Ph.D. Candidate in Management, Business School (expected Spring 2027)
Advisors: Dr. Minhao Zhang, Dr. Bangdong Zhi, Prof. Palie Smart
Dissertation Title: “Product Quality Failures: Operational Causes and Strategic Responses”
Dissertation Committee: Prof. Hugo Lam, Dr. Wen Zhang, Prof. Michael Lewis
- The Ohio State University**, Columbus, OH, USA Jul 2025–Oct 2025
Visiting Scholar, Department of Operations and Business Analytics
Advisor: Prof. John Gray
- University of Bristol**, Bristol, UK 2022–2023
M.Sc. in Social Science Research Methods (Management), Business School
- University of Science and Technology Beijing**, Beijing, China 2019–2022
M.Sc. in Business Management, School of Economics and Management
Advisor: Prof. Wei Gu
- Hebei University**, Baoding, China 2015–2019
B.Sc. in Human Resource Management, Management School

RESEARCH INTERESTS

Empirical Operations and Supply Chain Management; Product Quality and Safety; Labor Markets and Workforce Dynamics; Global Sourcing and Reshoring; Sustainability

WORK IN PROGRESS

- Liu, D.**, Ball, G., Gray, J., & Zhang, M. Labor Market Tightness and Manufacturing Quality in the Automotive Industry. (Job market paper; in final preparation for submission to *Management Science* in November 2026)
- Liu, D.**, Zhang, M., Fan, D., & Zhi, B. Homeward Bound: Recurring Product Recalls and Reshore. (In final preparation for submission to *Production and Operations Management* by Spring 2027)
- Liu, D.**, & Zhang, M. Labor Market Upskilling and Manufacturing Quality: Skill Spillovers or Competition for Talent? (Ongoing work; data analysis in progress)
- Liu, D.**, & Zhang, M. Reshoring and Skill Evolution: How Manufacturing Return Impacts Workforce Demands and Operational Efficiency. (Completed data collection and cleaning)

PEER-REVIEWED PUBLICATIONS

- Zhang, M., **Liu, D.**, Shui, X., Hu, W., & Zhan, Y. (2025). Examining the impact of trade tariffs on semiconductor firms' environmental performance. *International Journal of Production Economics*, 281, 109528. (ABS 3-ranked journal; 2025 Journal Impact Factor: 10.6)
- Zhang, Y., Zhu, X., **Liu, D.**, Shan, Y., & Wu, Y. (2025). Marginal abatement cost of urban emissions under climate policy: Assessment and projection for China's 2030 climate target. *Sustainable Cities and Society*, 124, 106319. (SCI-indexed journal, JCR Q1; 2025 Journal Impact Factor: 13.3)
- He, W., **Liu, D.**, & Wang, C. (2022). Are Chinese provincial carbon emissions allowances misallocated over 2000–2017? Evidence from an extended Gini-coefficient approach. *Sustainable Production and Consumption*, 29, 564–573. (SCI-indexed journal, JCR Q1; 2025 Journal Impact Factor: 9.2)
- Wang, C., **Liu, D.**, Li, Y., Wang, L., & Gu, W. (2021). A multidisciplinary perspective on the evolution of municipal waste management through text-mining: A mini-review. *Waste Management & Research*, 39(1), 32–42. (SCI-indexed journal, JCR Q2; 2025 Journal Impact Factor: 4.2)
- Gu, W., **Liu, D.**, & Wang, C. (2021). Energy recovery potential from incineration using municipal solid waste based on multi-scenario analysis in Beijing. *Environmental Science and Pollution Research*, 28(21), 27119–27131. (SCI-indexed journal, JCR Q2)
- Gu, W., **Liu, D.**, Wang, C., Dai, S., & Zhang, D. (2020). Direct and indirect impacts of high-tech industry development on CO₂ emissions: Empirical evidence from China. *Environmental Science and Pollution Research*, 27(21), 27093–27110. (SCI-indexed journal, JCR Q2)
- Wu, Y., Zhu, X., **Liu, D.**, Xiao, Q., & Liang, X. (2023). Research on accelerating the development of a new ecosystem for climate investment and financing. *Chinese Journal of Environmental Management*, 15(1), 74–83. [in Chinese] (CSSCI-indexed journal)
- Dong, Z., **Liu, D.**, Wu, Y., & Xiao, Q. (2022). Recommendations for developing higher-quality carbon credits. *Environmental Protection*, 50(22), 56–60. [in Chinese] (CSSCI-indexed journal)

TEACHING EXPERIENCE

University of Bristol Business School

Instructor, Digital Business, Graduate-Level Course 2024–2026

- Responsibilities: Developed and delivered seminar sessions; organized in-class activities; graded student work; held office hours and review sessions

Instructor, Operations and Marketing Management, Graduate-Level Course Jan 2026–Mar 2026

- Responsibilities: Developed and delivered seminar sessions; organized in-class activities; graded student work; held office hours and review sessions

PROFESSIONAL QUALIFICATIONS

Associate Fellow of the Higher Education Academy (AFHEA), Advance HE, 2025

RESEARCH AND PROFESSIONAL EXPERIENCE

University of Bristol Business School

Bristol, UK

Research Assistant

2023–2024

- Conducted literature reviews on decolonization in higher education
- Reviewed research on interactions and synergies among the United Nations Sustainable Development Goals
- Conducted literature reviews on the operational quality and efficiency of nursing care homes

UK-China (Guangdong) CCUS Center

Beijing, China

Researcher (Intern)

2021–2022

- Conducted research on carbon crediting mechanisms, carbon footprint assessment and climate finance
- Examined strategies for achieving net-zero emissions in the construction industry

AWARDS AND HONORS

- Economic and Social Research Council (ESRC) South West Doctoral Training Partnership (SWDTP) 1+3 Studentship, University of Bristol (2022–2026)
- National Scholarship, University of Science and Technology Beijing (2020)
- First Prize Scholarship, University of Science and Technology Beijing (2020–2021)
- Merit Graduate Student, University of Science and Technology Beijing (2020)

CONFERENCE PRESENTATIONS

Labor Market Tightness and Manufacturing Quality in the Automotive Industry

- INFORMS Annual Meeting, Job Market Showcase Track, San Francisco, CA, November 2026 (Scheduled Presentation; Session Chair)
- DSI Annual Conference, San Francisco, CA, November 2026 (Scheduled Presentation)

Homeward Bound: Recurring Product Recalls and Reshore

- INFORMS Annual Meeting, Atlanta, GA, October 2025
- AOM Annual Meeting, Copenhagen, Denmark, July 2025
- POMS Annual Conference, Atlanta, GA, May 2025
- EUROMA Annual Conference, Barcelona, Spain, July 2024 (Session Chair)
- University of Liverpool PhD Summer School on Operations and Supply Chain Management, Liverpool, UK, June 2024 (won the second-place award for the three-minute research presentation competition)

PROFESSIONAL SERVICE AND ACTIVITIES

Academic Service

Conference Session Chair

- INFORMS Annual Meeting (2026)

- EUROMA Annual Conference (2024)

Conference Organizing Committee

- International Conference on Digital Health and Medical Analytics (DHA) (2025)

Reviewing Activities

Reviewer

- *Journal of Cleaner Production* (2020)

Professional Memberships

- Institute for Operations Research and the Management Sciences (INFORMS)
- Production and Operations Management Society (POMS)
- Academy of Management (AOM)
- Decision Sciences Institute (DSI)

SKILLS

R; Stata; Python; High-Performance Computing (HPC); English (Fluent); Mandarin (Native)

REFERENCES

Minhao Zhang (Advisor)

Associate Professor

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John Gray (Host Advisor)

Dean's Distinguished Professor

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2100 Neil Avenue, Columbus, OH 43210

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George Ball (Co-author)

Professor, Weimer Faculty Fellow

Research Director for the Center for the Business of Life Sciences

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