

XICHEN SUN

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Department of Information Systems and Operations Management
Tilburg School of Economics and Management, Tilburg University

(Last Updated: April 2024)

ACADEMIC EMPLOYMENT

Assistant Professor of Supply Chain Management

July 2023 - Present

Tilburg School of Economics and Management, Tilburg University, Netherlands

EDUCATION

Mays Business School, Texas A&M University

August 2018 - May 2023

Ph.D. in Operations and Supply Chain Management

Department of Information and Operations Management

Dissertation Title: *Essays on Circular Economy Strategies and Environmental Sustainability*

Ph.D. Committee Chair: Rogelio Oliva

Committee Members: James Abbey, Neil Geismar, Anthony Klotz

Kobe University (Kobe, Japan)

April 2013 - March 2015

M.A. in Business Administration

Major in Operations and Supply Chain Management

Thesis advisor: Hirofumi Matsuo

Tianjin University of Technology (Tianjin, China)

September 2007 - June 2011

B.E. in Traffic and Transportation

GPA: 3.4

Minor in Japanese

RESEARCH INTERESTS

Domains

Sustainable Operations, Service Operations, Servitization

Methodologies

Game Theory, Applied Econometrics, Empirically Grounded Analytics, System Dynamics, Qualitative Meta-Analysis, Grounded Theory

MANUSCRIPTS UNDER REVIEW & WORKING PAPERS

1. **Xichen Sun**, Tharanga Rajapakshe, Rogelio Oliva, "Servicizing and Remanufacturing in the Circular Economy: Economic and Environmental Implications."
-Under **Major Revision** at **Manufacturing and Service Operations Management**
-**Game Theory**
-Presented at POMS 2021, INFORMS 2021, Early-Career Sustainable Operations Workshop 2022, INFORMS 2022, POMS 2023
- Invited presentation at the University of Illinois Urbana-Champaign, Doctoral Seminar (October 2022)
2. **Xichen Sun**, Rogelio Oliva, "Servitization Failure Modes: A Process Theory."
-Under **Major Revision** at **Journal of Operations Management**

-Qualitative Meta-Analysis

-Presented at POMS 2022, Spring Servitization Conference 2022, CSCMP 2022, DSI 2022 - Invited presentation at the University of Illinois Urbana-Champaign, Doctoral Seminar (October 2022); National Chengchi University (May 2023); Rotterdam School of Management, Erasmus University (May 2024)

3. **Xichen Sun**, Xingzhi Jia, Rogelio Oliva, “The Effectiveness of Science-Based Carbon Targets.”
-In preparation for submission to **Journal of Operations Management**
-Econometrics (Difference-in-Differences)

WORK IN PROGRESS

1. **Xichen Sun**, Jordana George, “Understanding Micro-Entrepreneurs’ Operations Strategies: the Case of WeChat Business.”
-Grounded Theory
-Data collection completed
-Preliminary analysis completed
2. **Xichen Sun**, Rogelio Oliva, “Interactions Among Capabilities in Servitization.”
-System Dynamics
-Model construction in progress
3. **Xichen Sun**, Alireza Jaribion, Jan Holmström, Henk Akkermans, “Search Space for Efficient Electric Vehicle System.”
-System Dynamics
-Model construction in progress
4. Weifang Zhang, Manlu Chen, Xingzhi Jia, **Xichen Sun**, “An Empirical Examination of Operating Room Efficiency.”
-Econometrics
-Data collection completed -Preliminary analysis completed

BOOK CHAPTERS

1. Abbey, J.D., V.D.R. Guide, Jr., and **Sun, X.**. Closed-Loop Supply Chains: A Strategic Overview. Sustainable Supply Chains. eds. Y. Bouchery, T. Tan, J. Fransoo, C. Corbett, Springer Publications (**2nd edition**).

OTHER CONFERENCE PROCEEDINGS AND PRESENTATIONS

1. **Repairable Service Parts Management for Maintaining Gas Turbines**
-Presented by Hirofumi Matsuo at the 5th International Symposium on Operations Management and Strategy (2015), Tokyo, Japan
-Project with Mitsubishi Hitachi Power Systems
2. **Expanding the horizon: An Empirical Study of Sustainable Supply Chain Management and Firm Performance**
-Presented at the 42nd Annual Meeting of Environmental Systems (2014), Ibaraki, Japan -Project with Osaka Gas

TEACHING EXPERIENCE

Instructor, Tilburg University

Data-Driven Design Approaches in SCM (Master's Program)

- Spring 2024 (Instructor: 4.3/5; Course: 3.8/5)

Supply Chain Design and Planning (Master's Program) (Instructor: 3.8/5; Course: 3.7/5)

- Fall 2023

Operations Management (Bachelor's Program)

- Fall 2023 (Instructor: 5/5; Course: 4.1/5)

Instructor, Texas A&M University

SCMT 364: Operations Management (Undergraduate Core Business Knowledge Course)

- Spring 2021 (In-person with hybrid options; Class Size: 20; Instructor: 4.38/5; Course: 4.44/5)

- Spring 2022 (In-person with hybrid options; Class Size: 20; Instructor: 4.59/5; Course: 4.41/5)

- Spring 2023 (Class Size: 27; Instructor: 4.75/5; Course: 4.45/5)

Teaching Assistant, Texas A&M University

- SCMT 364: Operations Management

Spring 2020

Teaching Assistant, Kobe University (SESAMI Program)

- Advanced Supply Chain Management

Fall 2014

- Organizational Behavior/Human Resource Management

Spring 2014

HONORS AND AWARDS

Mays Innovation Research Center Grant	<i>2021</i>
Mays Ph.D. Enhancement Fellowship, Mays Business School	<i>2018-2022</i>
Mays Department Fellowship, Mays Business School	<i>2018-2022</i>
Graduate Assistantship, Mays Business School	<i>2018-2022</i>
The First Prize Award of SESAMI Program, Kobe University	<i>2014</i>
The Scholarship of Takikawa Funding	<i>2014</i>
Outstanding Graduates Award of Tianjin University of Technology	<i>2011</i>
The Scholarship of Tianjin Government	<i>2009</i>
The Second Prize Award of Tianjin University of Technology	<i>2008</i>

WORKING EXPERIENCE

DAIFUKU

April 2015 - July 2018

Sales Representative

Responsible for global Toyota production line installation and modification projects. Equivalent to the project leader role that connects members from the Procurement, Engineering, Production, Installation and Service departments, and customers from Toyota. Customer relationship management.

Major Projects

- Miyata Plant Front Floor Procedure Establishment for 1YB

2017-2018

- Tsutsumi Plant Body Shop Modification *2017-2018*
- Miyata Plant Unit PTED Line Establishment *2017-2018*
- Miyata Plant Front Floor Procedure Establishment for 2YB *2016-2017*
- Kuozui Motors UBC Line Modification *2016-2018*
- Motomachi Plant Unit PTED Line Establishment *2016-2017*

SKILLS

Computer skills: Mathematica, Matlab, R, STATA, SAS, SPSS, GAMS, MS Word, Excel, LATEX
Languages: Chinese (Native), English (Professional working proficiency), Japanese (Professional working proficiency)

SERVICES AND ACTIVITIES

Conference Tracks

- Track Chair, Service Operations and Engineering, the International Conference on Service Science and Innovation (ICSSI), Taiwan, 2024

Conference Sessions

- Chair, Interface of Manufacturing and Services, POMS Annual Conference, Minneapolis, Minnesota, 2024
- Co-Chair, Policy-Driven Supply Chain Management, DSI Annual Conference, Houston, Texas, 2022
- Chair, Responsible Supply Management, POMS Annual Conference, Virtual, 2022
- Tech Manager, Sustainable Operations, POMS Annual Conference, Virtual, 2022
- Chair, Environmental Sustainability - Analysis and Strategies, INFORMS Annual Conference, Anaheim, California, 2021

Reviewer

- **Editorial Review Board:** Journal of Operations Management (JOM)
- **Ad hoc reviewer:** Manufacturing and Service Operations Management (MSOM)
- **Conferences:** Decision Science Institute (DSI)

Doctoral Consortium

- POMS Doctoral Consortium Fellow *2022*
- AOM OSCM Doctoral Consortium Fellow *2022*
- CSCMP Doctoral Symposium Fellow *2022*

Other Activities:

- Co-founder, Manager 4-H BV Startup Club *November 2021 - 2023*
 - Focuses on positive youth development in a minority group through entrepreneurial activities
- Community Partner, Texas Youth Action Network *2022 - 2023*
- Judge, Humana Case Competition *2020, 2021*

- SESAMI Research Project, Kobe University (sponsored by Osaka Gas Co., Ltd.) *2014*
 - Examined the relationship between sustainable supply chain management and firm performance, using Bloomberg dataset

PROFESSIONAL AFFILIATIONS

Production and Operations Management Society (POMS)	<i>2018 - present</i>
Institute for Operations Research and Management Sciences (INFORMS)	<i>2019 - present</i>
Academy of Management (AOM)	<i>2022 - present</i>
Council of Supply Chain Management Professionals (CSCMP)	<i>2022 - present</i>
Decision Sciences Institute (DSI)	<i>2022 - present</i>
Research School for Operations Management and Logistics (BETA)	<i>2023 - present</i>

REFERENCES

References are provided upon request.