

Zhuowen (Karen) Chen

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Education

Worcester Polytechnic Institute
University of Miami
Chihlee University of Technology

PhD in Business Administration, 2021 ~ Present
Master of Finance 2019 - 2020
Bachelor of Business Administration 2015 - 2019

Research Interests

Sustainability, Operations management, Supply chain management, Circular economy, Blockchain, Safety

Peer Reviewed Journal Publications

- [1] Zhuowen Chen, Abdullah Yildizbasi, Yan Wang, Joseph Sarkis, “**Safety concerns for the management of end-of-life lithium-ion batteries**”, Global Challenges, 2200049. <https://doi.org/10.1002/gch2.202200049>, (2022).
- [2] Zhuowen Chen, Abdullah Yildizbasi, Joseph Sarkis, “**How safe is the circular economy?**”, Resources, Conservation and Recycling, 188, 106649. <https://doi.org/10.1016/j.resconrec.2022.106649>, (2023).
- [3] Zhuowen Chen, Abdullah Yildizbasi, Yan Wang, Joseph Sarkis, “**Safety in Lithium-ion Battery Circularity Activities: A Framework and Evaluation Methodology**”, Resources, Conservation and Recycling, 193, 106962. <https://doi.org/10.1016/j.resconrec.2023.106962>, (2023).
- [4] Owen Wang, Zhuowen Chen, Xiaotu Ma “**Advancing sustainable end-of-life strategies for photovoltaic modules with Silicon Reclamation for Lithium-ion battery anodes**,” Chemistry, 26(7), 3688–3697. <https://doi.org/10.1039/d4gc00357h>, (2024)

Book Chapters

- [5] Öztürk, C., Chen, Z., Yildizbasi, A., “**The Lithium-Ion Battery Supply Chain**”. The Palgrave Handbook of Supply Chain Management. Palgrave Macmillan, Cham. https://doi.org/10.1007/978-3-030-89822-9_114-1 (2023)

Working Papers

- [6] “Circular Supply Chain Stakeholder Mapping for Blockchain Governance of Lithium-ion Battery Safety”, with Yildizbasi, A., Sarkis, J.,
- [7] “A blockchain Ecosystem for Safer circular lithium-ion battery supply chains: A performance-based theoretical perspective”, with Sarkis, J., & Yildizbasi, A.,

Conference & Presentations and Service

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|---|-----------|
| [1] Worcester Polytechnic Institute PhD Seminar | Presenter |
| [2] 2023 Northeast Decision Sciences Institute Annual Conference | Presenter |
| [3] 2023 The 33 rd Annual POMS-Conference | Presenter |
| [4] 2023 The 83 rd Annual Meeting of the Academy of Management | Presenter |
| [5] 2023 54 th Decision Sciences Institute Annual Conference | Presenter |
| [6] 2024 The 33 rd Annual POMS-Conference | Presenter |

Service and Other Activities

- [1] 2023 The 83rd AOM Annual Meeting - Best Student Paper Finalists
- [2] Women’s Research and Mentorship Program (WRAMP) – Mentor
- [3] WPI Three Minute Thesis Competition
- [4] 2022/2023/2024 Assurance of Learning judge
- [5] The Association to Advance Collegiate Schools of Business (AACSB) – PhD Student Representative
- [6] NSF Circular Economy and Data Analytics Engineer Research for Sustainability Program CEDAR

Software Skills

Bloomberg terminal, Python, Excel VBA