

Zeng, Amy Z. (Full Professor)

Refereed Journal Articles

Journal Article, Academic Journal

- Hou, J., Wang, X., Zeng, A. Z. (in press). Inter-Temporal Reward Strategies in the Presence of Strategic Ethical Hackers. *IEEE/ACM Transactions on Networking*.
<https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=90>
- Trapp, A.C., Konrad, R.A., Sarkis, J., Zeng, A. Z. (2020). "Closing the Loop: Forging High-Quality Agile Virtual Enterprises in a Reverse Supply Chain via Solution Portfolios," *Journal of the Operational Research Society*, 72(4), 908-922.
<https://www.tandfonline.com/doi/full/10.1080/01605682.2019.1707721>
- Zeng, A. Z., Hou, J. (2019). "Procurement and Coordination under Imperfect Quality and Uncertain Demand in Reverse Mobile Phone Supply Chain," *International Journal of Production Economics*, 209, 346-359. <https://doi.org/10.1016/j.ijpe.2018.05.014>
- Bai, H., Wang, J., Zeng, A. Z. (2018). Exploring Chinese consumers' attitude and behavior toward smartphone recycling," *Journal of Cleaner Production*, 188(No. 1), 227-236.
- Hou, J., Zeng, A. Z., Sun, L. (2017). Backup Sourcing with Capacity Reservation under Uncertain Disruption Risk and Minimum Order Quantity," *Computers & Industrial Engineering*(No.103), 216-226.
- Alzahrani, K., Hall-Phillips, A., Zeng, A. Z. (2017). "Applying theory of reasoned action to understanding the consumers' intention to adopt hybrid electric vehicles in Saudi Arabia," *Transportation (by Springer)*, 46, 199-215.
- Zeng, A. Z., Xia, Y. (2015). "Building a Mutually Beneficial Partnership to Ensure Backup Supply," *Omega: An International Journal of Management Science*, 52, 77-91.
- Zeng, A. Z. (2013). Coordination mechanisms for a three-stage reverse supply chain to increase profitable returns. *Naval Research Logistics (NRL)*, 60(1), 31-45.
<http://dx.doi.org/10.1002/nav.21517>
- Zeng, A. Z., Durach, C. F., Fang, Y. (2012). Collaboration decisions on disruption recovery service in urban public tram systems. *TRANSPORTATION RESEARCH PART E-LOGISTICS AND TRANSPORTATION REVIEW*, 48(3), 578-590.
- Zucchi, J. D., Zeng, A. Z., Caixeta-Filho, J. V. (2011). Optimum location for export-oriented slaughterhouses in Mato Grosso, Brazil: a dynamic mathematical model. *INTERNATIONAL JOURNAL OF LOGISTICS-RESEARCH AND APPLICATIONS*, 14(3), 135-148.
- Hou, J., Zeng, A. Z., Zhao, L. (2010). Coordination with a backup supplier through buy-back contract under supply disruption. *TRANSPORTATION RESEARCH PART E-LOGISTICS AND TRANSPORTATION REVIEW*, 46(6), 881-895.
- Yu, H., Zeng, A. Z., Zhao, L. (2009). Analyzing the evolutionary stability of the vendor-managed inventory supply chains. *COMPUTERS & INDUSTRIAL ENGINEERING*, 56(1), 274-282.

- Zeng, A. Z., Johnson, S. (2009). Integrating a discovery-based laboratory to teach supply chain management fundamentals in an undergraduate management course. *INNOVATIONS IN EDUCATION AND TEACHING INTERNATIONAL*, 46(1), 71-82.
- Yu, H., Zeng, A. Z., Zhao, L. (2009). Single or dual sourcing: decision-making in the presence of supply chain disruption risks. *OMEGA-INTERNATIONAL JOURNAL OF MANAGEMENT SCIENCE*, 37(4), 788-800.
- Hu, X., Li, Y., Guo, J., Sun, L., Zeng, A. Z. (2008). A simulation optimization algorithm with heuristic transformation and its application to vehicle routing problems. *INTERNATIONAL JOURNAL OF INNOVATIVE COMPUTING INFORMATION AND CONTROL*, 4(5), 1169-1181.
- Liu, L. B., Berger, P., Zeng, A. Z., Gerstenfeld, A. (2008). Applying the analytic hierarchy process to the offshore outsourcing location decision. *SUPPLY CHAIN MANAGEMENT-AN INTERNATIONAL JOURNAL*, 13(6), 435-449.
- Hu, X., Huang, M., Zeng, A. Z. (2007). An intelligent solution system for a vehicle routing problem in urban distribution. *INTERNATIONAL JOURNAL OF INNOVATIVE COMPUTING INFORMATION AND CONTROL*, 3(1), 189-198.
- Berger, P.D., Zeng, A. Z. (2006). Single versus Multiple Sourcing in the Presence of Risks. *Journal of the Operational Research Society*, 57(3), 250-261.
- Hu, X., Wang, X., Sun, L., Zeng, A. Z. (2005). A Knowledge-based Supplier Selection System for Real-time E-commerce Order Processing. *International Journal of Knowledge and Systems Science*, 2(4), 1-8.
- Berger, P.D., Gerstenfeld, A., Zeng, A. Z. (2005). The Optimal Use of Standby Suppliers: A Decision-Analysis Approach. 8(1), 67-79.
- Berger, P.D., Gerstenfeld, A., Zeng, A. Z. (2004). How Many Suppliers Are Best: A Decision-Analysis Approach. *Omega: the International Journal of Management Science*, 32(1), 9-15.
- Zeng, A. Z., Rossetti, C. (2003). Developing a Framework for Evaluating Logistics Cost in Global Sourcing Processes : An Implementation and Insights. ,” *International Journal of Physical Distribution and Logistics Management*, 33(9), 785-803.
- Zeng, A. Z. (2003). Global Sourcing: Process and Design for Efficient Management. *Supply Chain Management: An International Journal*, 8(4), 367-379.
- Geunes, J., Zeng, A. Z. (2001). Impacts of Inventory Shortage Policies on the Variability of Transportation Requirements in a Two-Stage Distribution Systems. *European Journal of Operational Research*, 129(2), 299-310.
- Weng, Z.K., Zeng, A. Z. (2001). The Role of Quantity Discounts in the Presence of Heterogeneous Buyers. *Annals of Operations Research*, 107, 369-383.
- Zeng, A. Z. (2000). A Synthetic Study of Sourcing Strategies. *Industrial Management & Data Systems*, 100(5), 219-226.

Journal Article, Professional Journal

- Zeng, A. Z., Pathak, B. (2003). Achieving Information Integration in Supply Chain Management through B2B E-hubs: Concepts and Analyses. *Industrial management & Data Systems*, 103(9), 657-665.
- Geunes, J., Zeng, A. Z. (2003). Optimizing Supply Shortage Decisions in Base-Stock Distribution Operations. *Journal of Global Optimization*, 26, 25-42.
- Zeng, A. Z., Mahan, M., Fluet, N. (2002). Designing a Warehouse Layout to Facilitate Order Fulfillment Process: An Industrial Distributor's Experience. *Production and Inventory Management Journal*, 43(3-4), 83-88.
- Buzby, C.M., Gerstenfeld, A., Voss, L.E., Zeng, A. Z. (2002). Using Lean Principles to Streamline the Quotation Process: A Case Study. *Industrial Management & Data Systems*, 102(9), 513-520.
- Zeng, A. Z. (2001). A Partial Backordering Approach to Inventory Control. *Production Planning and Control*, 12(7), 660-668.
- Zeng, A. Z. (2000). The Efficiency of Using the Fill-Rate Criterion to Determine Safety Stock: A Theoretical Perspective and a Case Study. *Production and Inventory Management Journal*, 41(2), 41-44.

Book Chapters

Book, Chapter in Scholarly Book-New

- Zeng, A. Z., Hou, J. (2018). "Collaboration and Coordination in Sustainable Supply Chains,". In J. Sarkis (Ed.), *Handbook on Sustainable Supply Chains*. Cheltenham: Edward Elger Publishing.
- Hou, J., Zeng, A. Z., Zhao, L. (2011). Revenue Sharing in a Two-Stage Supply Chain with Linear Stepwise Unit Inventory Holding Cost. *Supply Chain Optimization, Management and Integration* (pp. 254-274). IGI Global. <http://dx.doi.org/10.4018/978-1-60960-135-5.ch018>

Other Intellectual Contributions

Newsletter

- Sweeney, K., Detjen, J., Bicen, P., Zeng, A. Z. (2024). In AACSB Insight Newsletter (Ed.), *A Blueprint for Meeting Society's Impact Challenge* (April 3, 2024 ed.). <https://www.aacsb.edu/insights/articles/2024/04/a-blueprint-for-meeting-societys-impact-challenge>

Conference Proceedings

Conference Proceeding

- Hou, J., Wang, X., Zeng, A. Z. (2023). *Inter-Temporal Reward Decisions with Strategic Ethical Hackers*. IEEE Conference on Communications and Network Security.
- Feng, Y., Zeng, A. Z. (2015). *Long-term Collaboration Mechanism for Disruption Recovery Service in Public Tram Systems,*" (vol. 60, pp. 1337-1346). Procedia Computer Science.
- Hu, J., Zeng, A. Z., Zhao, L. (2009). *A comparative study of the public health emergency management mechanisms between US and China* (pp. 6532-+).

Zeng, A. Z., Hou, J., Zhao, L. (2007). *Coordination through revenue sharing and bargaining in a two-stage supply chain* (pp. 38-+).

Presentations

Zeng, Amy Z (Author Only), 2024 Geneva/Fribourg Entrepreneurship Forum, "Entrepreneurship Education at Suffolk University Sawyer Business School," Geneva and Fribourg, Switzerland. (June 28, 2024).

Zeng, Amy Z (Presenter Only), MBA Forum at Beijing Normal University Business School (2023), "From Supply Chain Management to Business School Dean: Implications and Inspirations," Beijing Normal University Business School, Beijing, China. (October 11, 2023).

Zeng, Amy Z (Presenter Only), 2023 International Workshop on Urban Ecological Security and Sustainability, "Sustainable Supply Chains and the United Nation's Sustainable Development Goals," Fudan University and Suffolk University, Boston, MA 02108. (August 16, 2023).

Zeng, Amy Z (Panelist), 2022 Women of Color in the Academy Conference, "Invited Deans' Panel," Northeastern University, Virtual. (April 29, 2022).

Zeng, Amy Z (Panelist), Celebration of 2022 International Women's Day at Suffolk University, "Celebrating Diversity and Inclusion with Women Leaders at Suffolk University," Suffolk University Sawyer Business School Ambassadors, Boston, MA. (March 8, 2022).

Zeng, Amy Z (Presenter Only), 2021 Asian Women Leadership Conference, "My Academic Leadership Journey as an Asian Woman," NECINA Boston and Silicon Valley 101, Virtual. (January 23, 2021).

Zeng, Amy Z (Presenter Only), 2020 (2nd) International Congress on Challenge-based Learning, "Experiential Learning: A Fruitful Journey to Prepare Students for Career Readiness," Universidad Europea de Madrid, Madrid, Spain. (October 14, 2020).

Zeng, Amy Z (Presenter Only), 2019 Asia-Pacific Decision Science Institute Conference, "Building an Effective Career-Ready Program for Preparing 21st Century Workforce," APDSI and University of the Sunshine Coast, Australia, Brisbane, Australia. (July 16, 2019).

Zeng, Amy Z (Presenter & Author), 2018 International Conference of the African Federation of Operational Research Societies, "From the World's Manufacturing Center to the World's Innovation Lab: New Business Trends in China and Implications for Scholarship," African Federation of Operational Research Society, Tunis, Tunisia. (July 2018).

Zeng, Amy Z (Presenter & Author), EURO 2018: the 29th European Conference on Operations Research, "Collaboration and Coordination Mechanism Design and Practice in Sustainable Supply Chains," European Association of Operational Research Society, Valencia, Spain. (July 2018).

Zeng, Amy Z (Presenter & Author), 2017 Supply Chain Management Conference at Hunan University, "Supply Chain Management in Digital Age: Opportunities and Hot Topics," School of Business, Hunan University, Changsha, Hunan Province China. (June 16, 2017).

- Zeng, Amy Z (Presenter & Author), 2017 POMS Annual conference, "Sourcing with Capacity Reservation under Uncertain Disruption Risk and Minimum Order Quantity," Production and Operations Management Society (POMS), Seattle, WA. (May 2017).
- Zeng, Amy Z (Presenter & Author), 2017 Northeast Decision Sciences Conference, "Exploring the Values of Industry Sponsored Student Projects in Business Education and Research," Northeast Decision Sciences Institute, Springfield, MA. (March 2017).
- Zeng, Amy Z (Presenter & Author), 2017 Northeast Decision Sciences Conference, "Educational Games in Operations Management, Logistics and Supply Chain Management: A Multi-stakeholders' Perspective," Northeast Decision Sciences Institute, Springfield, MA. (March 2017).
- Zeng, Amy Z (Presenter & Author), 2016 (19th) International Symposium on Inventory Research, "Procurement and Coordination under Imperfect Quality and Uncertain Demand in Reverse Mobile Phone Supply Chain," International Society for Inventory Research, Budapest, Hungary. (August 2016).
- Zeng, Amy Z (Presenter & Author), 2016 (21st) International Symposium on Logistics, "Integrating Entrepreneurship into Supply Chain Management Curriculum to Expand Students' Entrepreneurial Perspective," Industrial Engineering and Systems Management Institute, Kaohsiung, Taiwan. (July 2016).
- Zeng, Amy Z, 2016 (21st) International Symposium on Logistics, "Integrating Entrepreneurship into Supply Chain Management Curriculum to Expand Students' Entrepreneurial Mindset," International Symposium on Logistics, Kaohsiung, Taiwan. (July 2016).
- Zeng, Amy Z (Presenter & Author), Supply Chain Research Conference, "Green/Sustainable Supply Chain Research and an Educational Perspective on Supply Chain Management and Entrepreneurship," the School of Management, Xi'an Jiaotong University, Xi'an, SHA 710049, China. (July 2016).
- Zeng, Amy Z (Presenter & Author), 2016 Supply Chain Conference at Beihang University, "Key Supply Chain Management Issues: A CRAFT Framework," School of Management/Beihang University, Beijing, China. (July 1, 2016).
- Zeng, Amy Z (Author Only), Hou, J. (Author Only), 23rd International EurOMA Conference, "Reverse Mobile Phone Supply Chain Channel Structure, Decision and Coordination," EurOMA, Trondheim, Norway. (June 2016).
- Zeng, Amy Z (Presenter & Author), 27th Annual Conference of Production and Operations Management Society, "Second-hand Mobile Phone Supply Chain Design, Decision and Coordination," Production and Operations Management Society, Orlando, FL. (May 2016).
- Zeng, Amy Z (Presenter & Author), Advanced Industrial Biomanufacturing Symposium, "Supply Chain Issues in Biomanufacturing Industry: A CRAFT Framework," BETC - Biomanufacturing Education & Training Center at WPI, Worcester, MA. (April 2016).
- Zeng, Amy Z (Presenter & Author), 2015 Annual Conference of Decision Sciences Institute, "Integrating Entrepreneurship into Supply Chain Management and Logistics Curriculum to Expand Students' Entrepreneurial Perspective," Decision Sciences Institute, Seattle, WA. (November 2015).

Hou, J. (Author Only), Zeng, Amy Z (Author Only), 6th IESM Conference, "Dual Sourcing under Uncertain Disruption Risk, Backup Supply Capacity and Market Condition,," Industrial Engineering and Systems Management Association, Seville, Spain. (October 2015).