

**Zeng, Amy Z. (Full Professor)**

**Refereed Journal Articles**

**Journal Article, Academic Journal**

- 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.
- 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*.  
<https://www.tandfonline.com/doi/full/10.1080/01605682.2019.1707721>
- 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>

### **Conference Proceedings**

#### **Conference Proceeding**

- 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 (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), Supply Chain Management Conference, "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), 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), 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), 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), 21st International Symposium on Logistics, "8. 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 (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, The 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 Conference, "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).