

## Publication : HSIAO-FAN WANG

### Journal Papers

#### ➤ Green Value Chain Management

1. Hsiao-Fan Wang & Ching-Hsiang Chan, 2014, Multi-Objective Optimization of Automated Guided Dispatching and Vehicle Routing System, *Int. J. Modelling in Operations Management*, 4(1/2), 35-51.
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6. Wang, H.F. & Du Lin, "Dynamic Industrial System Approach to the Industrial Sustainability Development Based on National Economy – With a Case of Taiwan", To appear at *Industrial Energy Efficiency: Techniques, Operations and Management*, special issue of *IJ of Industrial Engineering & Management* <http://dx.doi.org/10.4172/2169-0316>
7. Hsiao-Fan Wang, Two-level Stackelberg Game for Subsidy and Penalty Decisions on a Green Industry Sector, to appear at *Procedia Computer Science*, 2013
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13. Wang, H.F., K.W. Zheng , "Application of Fuzzy Linear Programming to Global Production Plan of a Refinery Industry - Case of Taiwan CPC Corporation", Accepted by *International Journal of Advanced Manufacturing Technology*
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➤ **Methodology Development**

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### **Submitted Papers**

113. Wang, H.F. and C-C Shen, "Pricing Strategy for Sealed-bid Auction", *Cybernetics and Systems*
114. Wang, H.F., Kuo, C.Y., "Pattern Recovery from Small Data Set with Back-propagation Neural networks", *J. CIIE*, (Jul. 2007)
115. Wang, H.F. & Chao-Jen Lai, "Optimal Pricing Policy for The Recyclable Short Life-Cycle Products in A Duopoly Market", *International Journal of Business and Economics*
116. Wang, H.F. & C. T. Wu, "Resolution of a Sparse User-item Matrix in the Recommender Systems by E-RPCA", *International Journal of Electronic Commerce Research and Applications*.
117. Hsiao-Fan Wang and Yen-Yi Lee, "Two-stage Particle Swarm Optimization Algorithm for the Time Dependent Alternative Vehicle Routing Problem," *Applied & Computational Mathematics*.
118. Wang, H.F. & Ting-Yu Lin, "Investigation on the Energy Complexity of Parallel Algorithms", *C&OR*.
119. Hsiao-Fan Wang and Ting-Yang Kuo, Fuzzy Inference for Scenario Generation– A Case of Production System, *Intelligent Data Analysis*
120. Hsiao-Fan Wang , Hung-Shi Lin' Optimal Process/Reprocess Production Mix with Inseparable Orders in Multiple Periods, *Decision Science*
121. Hsiao-Fan Wang and Ching-Min Chang, Facility Layout for an Automated Guided Vehicle System, *Operations and Production Management*.

### **Book Chapter**

122. Hsiao-Fan Wang and Chang-Fu Hsu, Optimal Reutilization of Durable Components of the Leased Products, *Kirk-Othmer Encyclopedia*

123. Wang, H.F. & C.Y. Fu, "Batch Production Plan for Periodic Demands with Uncertain Recycling Rate in a Closed-Loop Supply System" Chapter 16, 376-393, in *Supply Chain Management Under Fuzziness*, *Studies in Fuzziness and Soft Computing* 313, (editors: Cengiz Kahraman and Başar Öztayşi), Springer-Verlag, Berlin, 2014. ISBN: 978-3-642-53938-1, DOI:10.1007/978-3-642-53938-1\_16.  
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124. Y.Y. Chen & H.F. Wang, "Delivery and Pickup Problems with Time Windows: Strategy and Modeling" in *Reverse Supply Chains: Issues and Analysis* (edit. M. Gupta), Taylor & Francis Group, LLC, Chap. 14, Jan., 2013. ISBN13: 9781439899021
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136. Wang, H.F., 2000, "Resolution of Variational Inequality Problems by Multiobjective Programming," in *Research an Practice in Multiple Criteria Decision Making*, Y.Y.Haimes & R.E.Steuer (Eds), Springer, 185-195

## Book

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