

Contents

Part I Multi-criteria Applications

1	A Survey on Multi-criteria Analysis in Logistics: Focus on Vehicle Routing Problems	3
	N. Labadie and C. Prodhon	
2	Multi-objective Approaches for Design of Assembly Lines	31
	X. Delorme, O. Battaïa and A. Dolgui	
3	Multi-objective Assessment of Warehouse Storage Policies in Logistics and a Fuzzy Information Axiom Approach	57
	E. Çevikcan, İ. U. Sarı and C. Kahraman	
4	Multi-objective Optimization Approach to Product-planning in Quality Function Deployment Incorporated with Fuzzy-ANP	83
	S. Mungle, S. Saurav and M. K. Tiwari	
5	Multi-objective Ant Colony Optimization Method to Solve Container Terminal Problem	107
	F. Belmecheri-Yalaoui, F. Yalaoui and L. Amodéo	
6	Exploratory Study in Determining the Importance of Key Criteria in Mobile Supply Chain Management Adoption for Manufacturing Firms: A Multi-criteria Approach	123
	A. Y. L. Chong, F. T. S. Chan and K. B. Ooi	
7	A Fuzzy Handling of the Multi-criteria Characteristic of Manufacturing Processes	137
	L. Berrah and L. Foulloy	
8	Prioritization of Supply Chain Performance Measurement Factors by a Fuzzy Multi-criteria Approach	161
	I. U. Sarı, S. Ugurlu and C. Kahraman	

9	Route Selection and Consolidation in International Intermodal Freight Transportation	181
	R. A. Kumar, P. Mohapatra, W. K. Yew, L. Benyoucef and M. K. Tiwari	
10	An Evolutionary Algorithm with Path Relinking for a Bi-objective Multiple Traveling Salesman Problem with Profits.	195
	N. Labadie, J. Melechovsky and C. Prins	
 Part II Game Theory Applications		
11	A Hybrid Simulation-based Duopoly Game Framework for Analysis of Supply Chain and Marketing Activities	227
	D. Xu, C. Meng, Q. Zhang, P. Bhardwaj and Y. J. Son	
12	Integrating Vendor Managed Inventory and Cooperative Game Theory to Effectively Manage Supply Networks.	263
	M. Mateo and E. H. Aghezzaf	
13	Winner Determination in Multi-unit Procurement Auctions with Volume Discount Bids and Lead Time Constraints.	289
	D. K. Verma, N. Hemachandra, Y. Narahari and J. D. Tew	
14	A Piecewise Linear Supply Chain Game for Manufacturing Network Formation	317
	S. Mahjoub and J. C. Hennet	
15	Stability of Hedonic Coalition Structures: Application to a Supply Chain Game	337
	A. Elomri, Z. Jemai, A. Ghaffari and Y. Dallery	
16	Procurement Network Formation: A Cooperative Game Theoretic Approach	365
	T. S. Chandrashekar and Y. Narahari	
	Index	405

Applications of Multi-Criteria and Game Theory
Approaches

Manufacturing and Logistics

Benyoucef, L.; Hennet, J.-C.; Tiwari, M.K. (Eds.)

2014, XVI, 408 p. 80 illus. in color., Hardcover

ISBN: 978-1-4471-5294-1