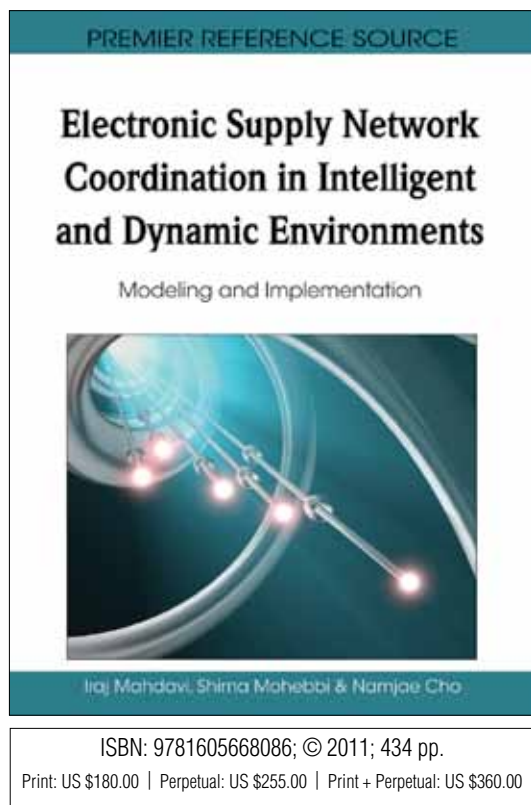


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Electronic Supply Network Coordination in Intelligent and Dynamic Environments: Modeling and Implementation



Iraj Mahdavi (Mazandaran University of Science and Technology, Iran), Shima Mohebbi (University of Tehran, Iran) and Namjae Cho (Hanyang University, Korea)

The widespread diffusion of digital infrastructure, applications, products, and services has created new challenges and opportunities for managers and corporations exposed to a dense and highly complex supply network. This complexity often requires innovative models, techniques, tools, processes, and structures.

Electronic Supply Network Coordination in Intelligent and Dynamic Environments: Modeling and Implementation presents cutting-edge knowledge on scientific approaches to the management of supply networks in a highly informed global environment with abundant dynamic and uncertain challenges. This work examines how new mathematical and conceptual approaches are integrated with information technology and intelligent systems and how these models can help to improve the coordination of supply networks.

Topics Covered:

- Coordination design in an uncertain environment
- Distributed supply network
- Dynamic coordination mechanisms in a supply network
- E-business in an e-supply network
- E-Supply network coordination
- Forecasting methods in a supply network
- Meta-Heuristic approaches in coordination mechanisms
- Modeling dynamic supply networks
- Simulation tools in supply network
- System dynamics in a supply network

Market: This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners and is ideal for classroom use.

Iraj Mahdavi is the Professor of Industrial Engineering at Mazandaran University of Science and Technology and Vice President of Graduate Studies and Research. He received his Ph.D. from India in Production Engineering and Post-Doctorate professor from Hanyang University, Korea. He is also in the editorial board of four journals. He has published over 100 research papers. His research interests include cellular manufacturing, digital management of industrial enterprises, intelligent operation management and industrial strategy setting.

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