Supply Chain Optimization, Management and Integration: Emerging Applications

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Our rapidly changing world has forced business practitioners, in corporation with academic researchers, to respond quickly and develop effective solution methodologies and techniques to handle new challenges in supply chain systems.

Supply Chain Optimization, Management and Integration: Emerging Applications presents readers with a rich collection of ideas from researchers who are bridging the gap between the latest in information technology and supply chain management. This book includes theoretical, analytical, and empirical research, comprehensive reviews of relevant research, and case studies of effective applications in the field of SCM. The use of new technologies, methods, and techniques are emphasized by those who have worked with supply chain management across the world for those in the field of information systems.

Topics Covered:
- Artificial intelligence and decision making
- Creative decision making and problem solving
- Customer value and customer relationship management
- Decision-making systems
- Enterprise information systems
- Geographic information systems
- Hybrid intelligent systems
- Logistics network configuration
- Optimization and simulation
- Reasoning and decision making under uncertainty
- Risk management
- Supplier and customer relationship management

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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.
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Chapter 1
Coordination of a Supply Chain with Demand Stimulation and Random Demand Disruption
Xiao Tiaojun (Nanjing University, China)
Luo Jia (Nanjing University, China)
Jin Jiao (Nanjing University, China)

Chapter 2
Supply Chain Risk Management
Yanany Iwan (Sepuluh Nopember Institute of Technology, Indonesia)
Zailani Suhaiza (Universiti Sains, Malaysia)
Pujawan Nyoman (Sepuluh Nopember Institute of Technology, Indonesia)

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Application of Dynamic Analysis in a Centralised Supply Chain
Niu Mu (Northumbria University, UK)
Sice Petia (Northumbria University, UK)
French Jan (University of Teesside, UK)
Mosekilde Erik (The Technical University of Denmark, Denmark)

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Soont Chin Boo (The University of Auckland, New Zealand)
Gutiérrez Jairo A. (Universidad Tecnológica de Bolívar, Colombia)

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Saen Reza Farzipoor (Islamic Azad University-Karaj Branch, Iran)

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Montoya-Torres Jairo R. (Universidad de La Sabana, Colombia)

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An Approach of Decision-Making Support Based on Collaborative Agents for Unexpected Rush Order Management
Nfouzi El Habib (University of Lyon, France and University of Sidi Med Ben AbdEllah, Morocco)
El Beqqili Omar (University of Sidi Med Ben AbdEllah, Morocco)
Ouazzou Yacine (University of Lyon, France)
Bouaras Abdelaziz (University of Lyon, France)

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Montoya-Torres Jairo R. (Universidad de La Sabana, Colombia)
Rodríguez-Verjan Gloria L. (Universidad de La Sabana, Colombia)

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Torres Fidel (Universidad de los Andes, Colombia)
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Zuo Yanjun (University of North Dakota, USA)
Ho Wen-Chen (University of North Dakota, USA)

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Rachan Wilfred (University of Leiden, Netherlands)

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