

CONTENTS

<i>Contributors</i>	vii
<i>Introduction to The Practice of Supply Chain Management</i>	xi

CORE CONCEPTS AND PRACTICES

1.	Principles for the Strategic Design of Supply Chains	3
	Terry P. Harrison	
2.	Tactical Planning for Reinventing the Supply Chain	13
	David Simchi-Levi, Edith Simchi-Levi, and Michael Watson	
3.	The Role of Inventory in Superior Supply Chain Performance	31
	John J. Neale, Brian T. Tomlin, and Sean P. Willems	
4.	Supply Chain Performance Metrics	61
	Warren H. Hausman	

EMERGING SUPPLY CHAIN PRACTICES

5.	Sourcing Strategy and Supplier Relationships: Alliances versus eProcurement	77
	David F. Pyke and M. Eric Johnson	
6.	Supply-Chain Coordination: How Companies Leverage Information Flows to Generate Value	91
	Susan Cohen Kulp, Elie Ofek, and Jonathan Whitaker	
7.	Supply-Chain.Net: The Impact of Web-based Technologies on Supply Chain Management	109
	Enver Yücesan and Luk N. Van Wassenhove	
8.	e-Business and Supply Chain Integration	123
	Hau L. Lee and Seungjin Whang	
9.	Managing Product Variety through Postponement: Concept and Applications	139
	S. Venkatesh and Jayashankar M. Swaminathan	
10.	Creating and Leveraging Options in the High Technology Supply Chain	157
	Corey Billington and Blake Johnson	
11.	Managing Supply Chains with Differentiated Service Requirements—Models and Applications	175
	Morris A. Cohen, Vinayak Deshpande, and Yunzeng Wang	

SUPPLY CHAIN IN ACTION

12.	Data-Rich Supply Chain Management: The Case of Seven Eleven Japan Seungjin Whang	199
13.	Lucent Technologies: Achieving the “Impossible” By Using Provisioning and Postponement David W. Hoyt and Enrique Lopez-Tello	209
14.	Measuring the Benefits of Product Standardization and Postponement of Configuration in a Supply Chain Tony Davila and Marc Wouters	221
15.	Combinatorial Auctions in Procurement Wedad Elmaghraby and Pinar Keskinocak	245
16.	The Benefits of Business-to-Business Applications for Fabless Semiconductor Companies Barchi Peleg	259
17.	Supply Chain Management at a Chip Tester Manufacturer Srinagesh Gavirneni	277
18.	Aerospace Supply Chain Dynamics Thomas Bilczo, Larry Bugbee, Jonathan Fitzhugh, Dave Gilbert, Steve Halladin, James Rubert, and Benny Budiman	293
19.	Agent Models of Supply Network Dynamics: Analysis, Design, and Operation S. Brueckner, H. Baumgaertel, V. Parunak, R. Vanderbok, and J. Wilke	315
Index		345