

Contents

Chapter 1: Warehouse Location and Network Design

On Planning and Design of Logistics Systems for Uncertain Environments	3
<i>C. F. Daganzo, A. L. Erera</i>	
Reviewing Distribution Issues in Reverse Logistics.....	23
<i>J. M. Bloemhof-Ruwaard, M. Fleischmann, J. A. E. E. van Nunen</i>	
Network Design in Reverse Logistics: A Quantitative Model.....	45
<i>H. R. Krikke, E. J. Kooi, P. C. Schuur</i>	
Decision Support for Designing Cooperative Distribution Networks.....	63
<i>D. Feige, P. Klaus, H. Werr</i>	
A Depot Location-Allocation Problem of a Food Producer with an Outsourcing Option	95
<i>K. Engeler, A. Klose, P. Stähly</i>	

Chapter 2: Transport Planning and Scheduling

Logistics Network Design Evaluation in a Dynamic Environment.....	113
<i>D. Romero Morales, J. A. E. E. van Nunen, H. E. Romeijn</i>	
Models and Algorithms for the Minimization of Inventory and Transportation Costs: A Survey	137
<i>L. Bertazzi, M.G. Speranza</i>	
Transport and Inventory Planning with Discrete Shipment Times.....	159
<i>B. Fleischmann</i>	
Deterministic Order-up-to Level Strategies for the Minimization of the Logistic Costs in Distribution Systems	179
<i>L. Bertazzi, G. Paletta, M.G. Speranza</i>	

Chapter 3: Operations within the Warehouse

Using Multiple Load Vehicles for Internal Transport with Batch Arrivals of Loads	197
<i>J. R. van der Meer, R. de Koster</i>	
Reduction of Walking Time in the Distribution Center of De Bijenkorf	215
<i>R. de Koster, K. J. Roodbergen, R. van Voorden</i>	
Distributing Material Flows in a Manufacturing System with Large Product Mix: Two Models Based on Column Generation.....	235
<i>C. Arbib, G. Ciaschetti, F. Rossi</i>	

Chapter 4: Inventory Control

An Overview of Inventory Systems with Several Demand Classes	253
<i>M. J. Kleijn, R. Dekker</i>	
Staggering Periodic Replenishments.....	267
<i>R. Pesenti, W. Ukovich</i>	
Multiple Criteria Rationing in Divergent Echelon Systems.....	287
<i>U. Tüshaus, C. Wahl</i>	

List of Contributors	317
----------------------------	-----