


# The Logic of Logistics: Theory, Algorithms, and Applications for Logistics Management (Springer Series in Operations Research and Financial Engineering)

By David Simchi-Levi, Xin Chen, Julien Bramel

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Fierce competition in today's global market provides a powerful motivation for developing ever more sophisticated logistics systems. This book, written for the logistics manager and researcher, presents a survey of the modern theory and application of logistics. The goal of the book is to present the state-of-the-art in the science of logistics management. As a result, the authors have written a timely and authoritative survey of this field that many practitioners and researchers will find makes an invaluable companion to their work.

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*By David Simchi-Levi, Xin Chen, Julien Bramel*

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- Sales Rank: #1299701 in Books
- Published on: 2013-11-18
- Original language: English
- Number of items: 1
- Dimensions: 9.21" h x 1.00" w x 6.14" l, 1.82 pounds
- Binding: Hardcover
- 447 pages

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## **Editorial Review**

### Review

“All chapters conclude with many exercises that allow to consolidate the material, models methods and theorems of the relevant chapter. The book is a broad introduction into logistics from a wide perspective. It provides a solid basis for understanding and contribution on more specific topics to the state of the art in modern logistics.” (Erwin Pesch, zbMATH 1327.90020, 2016)

"The present book focuses on the application of operational research and mathematical modelling techniques to logistics and supply chain management (SCM) problems. The authors performed a substantial revision of the 1st edition and included a number of new subjects ... . The book is carefully written and is an important reference for readers with a solid background in probability and optimisation theory ... . the present book should be seen as a valuable guide describing techniques that can be applied or adapted to real-life situations." (Teresa Melo, OR News, Issue 25, 2005)

### From the Back Cover

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This third edition includes new chapters on the subjects of game theory, the power of process flexibility, supply chain competition and collaboration. Among the other materials new to the edition are sections on discrete convex analysis and its applications to stochastic inventory models, as well as extended discussions of integrated inventory and pricing models. The material presents a timely and authoritative survey of the field that will make an invaluable companion to the work of many researchers and practitioners.

### Review of earlier edition:

"The present book focuses on the application of operational research and mathematical modelling techniques to logistics and supply chain management (SCM) problems. The authors performed a substantial revision of the 1st edition and included a number of new subjects ... . The book is carefully written and is an important reference for readers with a solid background in probability and optimisation theory ... . the present book should be seen as a valuable guide describing techniques that can be applied or adapted to real-life situations." (OR News, Issue 25, 2005)

### About the Author

David Simch-Levi is a professor at the Massachusetts Institute of Technology in Cambridge, Massachusetts.

Xin Chen is an associate professor at the University of Illinois at Urbana-Champaign. Julien Bramel works in financial analysis in New York City.

## **Users Review**

### **From reader reviews:**

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Playing with family inside a park, coming to see the water world or hanging out with close friends is thing that usually you might have done when you have spare time, and then why you don't try issue that really opposite from that. Just one activity that make you not sensation tired but still relaxing, trilling like on roller coaster you already been ride on and with addition info. Even you love *The Logic of Logistics: Theory, Algorithms, and Applications for Logistics Management* (Springer Series in Operations Research and Financial Engineering), it is possible to enjoy both. It is good combination right, you still want to miss it? What kind of hang-out type is it? Oh can happen its mind hangout people. What? Still don't understand it, oh come on its called reading friends.

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