

The book was found

# Hierarchical Decision Making In Stochastic Manufacturing Systems (Systems & Control: Foundations & Applications)



## Synopsis

One of the most important methods in dealing with the optimization of large, complex systems is that of hierarchical decomposition. The idea is to reduce the overall complex problem into manageable approximate problems or subproblems, to solve these problems, and to construct a solution of the original problem from the solutions of these simpler problems. Development of such approaches for large complex systems has been identified as a particularly fruitful area by the Committee on the Next Decade in Operations Research (1988) [42] as well as by the Panel on Future Directions in Control Theory (1988) [65]. Most manufacturing firms are complex systems characterized by several decision subsystems, such as finance, personnel, marketing, and operations. They may have several plants and warehouses and a wide variety of machines and equipment devoted to producing a large number of different products. Moreover, they are subject to deterministic as well as stochastic discrete events, such as purchasing new equipment, hiring and layoff of personnel, and machine setups, failures, and repairs.

## Book Information

Series: Systems & Control: Foundations & Applications

Hardcover: 422 pages

Publisher: Birkhäuser; 1994 edition (December 20, 1994)

Language: English

ISBN-10: 0817637354

ISBN-13: 978-0817637354

Product Dimensions: 6.1 x 1 x 9.2 inches

Shipping Weight: 1.8 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,584,658 in Books (See Top 100 in Books) #827 in Books > Engineering & Transportation > Engineering > Industrial, Manufacturing & Operational Systems > Industrial Design  
#1568 in Books > Business & Money > Management & Leadership > Production & Operations  
#9304 in Books > Textbooks > Engineering

[Download to continue reading...](#)

Hierarchical Decision Making in Stochastic Manufacturing Systems (Systems & Control: Foundations & Applications) Soap Making: 365 Days of Soap Making (Soap Making, Soap Making Books, Soap Making for Beginners, Soap Making Guide, Soap Making Recipes, Soap Making Supplies): Soap Making Recipes for 365 Days Lectures on BSDEs, Stochastic Control, and

Stochastic Differential Games with Financial Applications (SIAM Series on Financial Mathematics)  
Critical Thinking: Decision Making with Smarter Intuition and Logic! (Critical Thinking, Decision Making, Logic, Intuition)  
Stochastic Integration in Banach Spaces: Theory and Applications (Probability Theory and Stochastic Modelling)  
Hierarchical Linear Models: Applications and Data Analysis Methods (Advanced Quantitative Techniques in the Social Sciences)  
Engineering Uncertainty and Risk Analysis, Second Edition: A Balanced Approach to Probability, Statistics, Stochastic Models, and Stochastic Differential Equations  
Additive Manufacturing: 3D Printing for Prototyping and Manufacturing  
Understanding Additive Manufacturing: Rapid Prototyping, Rapid Tooling, Rapid Manufacturing  
Jewelry Making: Jewelry Making Instructions to Easily Create Beautiful Pendants, Bracelets, Earrings, and Necklaces (Jewelry Making Books, jewelry making for dummies, jewelry making tools)  
Jewelry Making: 33 Tips and Advices For Making Unique Earrings (jewelry making, jewelry making books, jewelry making kits)  
Manufacturing Data Structures: Building Foundations for Excellence with Bills of Materials and Process Information  
Nursing Priorities: 5 Step Approach to Making Quick Decisions in Nursing Care (Decision Making in Nursing)  
The Caregiver's Path To Compassionate Decision Making: Making Choices For Those Who Can't (Home Nursing Caring)  
Decision Making in Systems Engineering and Management  
Wine Making: Beginner Wine Making! The Ultimate Guide to Making Delicious Wine at Home (Home Brew, Wine Making, Red Wine, White Wine, Wine Tasting, Cocktails, ... Vodka recipes, Jello Shots Beer Brewing)  
An Introduction to Stochastic Processes with Biology Applications  
Stochastic Processes: Theory for Applications  
Introduction to Stochastic Calculus with Applications  
Introduction To Stochastic Calculus With Applications (3rd Edition)

[Dmca](#)