Harvard Global Supply Chain Simulation Solutions

This newly revised fourth edition of Postharvest Handling brings new and updated chapters with new knowledge and applications from postharvest research. The revised edition brings back the aspects of preharvest conditions and their effects on postharvest quality and features new chapters on the increasingly important role of transportation and logistics. It emphasizes consumers and systems thinking for postharvest chains for fresh produce. This book also explores current challenges—including oversupply, waste, food safety, lack of resources, sustainability — and best practices for systems to thrive in spite of these challenges. This unique resource provides an overview of postharvest systems and their role in food value chains and offers essential tools to monitor and control the handling process. Written by a team of experts in Postharvest Systems and Handling, this book continues to be the most practical and up-to-date resource for postharvest physiologists and technologists across the disciplines of agricultural economics, agricultural engineering, food science, and horticulture along with businesses handling fresh or minimally processed products. Features new chapters on packaging, transportation and logistics, and postharvest in the context of systems approach Brings aspects of pre-harvest conditions and their effects on postharvest quality Provides an overview of the postharvest system and its role in the food value chain, offering essential tools to monitor and control the handling process

If you’re a manager of a supply chain operation, or a student learning about supply chain management, this book will provide not only an overview of supply chain management but also a framework for subsequent, more detailed study in various aspects of supply management. This book reviews the evolution of supply chain management concepts and discusses trends in global markets and strategic competitiveness. It then focuses on the major issues involved in managing a competitive supply chain including: forecasting, inventory management, distribution, dealing with uncertainty, reverse logistics, and customer service. Coverage of the dynamic, evolving issues pertaining to supply chains that affect the global business community concludes the book. With this book in hand, you’ll be better equipped to conceptualize the management of supply chains as a collection of business processes; identify primary and secondary value chain processes; distinguish between the umbrella term, “supply chain management,” and its component functions; and understand the basic tools of forecasting and the need for accurate data and forecasts on which to base supply chain management decisions.

One of the many outcomes resulting from the explosion of international trade is access to lower cost production opportunities through outsourcing. This phenomenon has increased the importance of supply chains, the information technology needed to coordinate them and the need for this relatively complex enterprise to be exceptionally well-managed. There are obviously many cost benefits to be had from maintaining a strong and far-reaching supply chain. However, this opportunity to lower costs entails significant risks, such as tsunamis, earthquakes, political unrest, and economic turbulence. This book will introduce concepts and examples of risk in supply chain management, followed by an identification and discussion of an array of quantitative tools (selection methods, risk simulation modeling, and business scorecard analysis) to help manage these risks. Many books are appearing that address various aspects of supply chain risks. No other book known to the author addresses this set of modeling tools as a means of managing this risk.

Supply Chain Simulation allows readers to practice modeling and simulating a multi-level supply chain. The chapters are a combination of the practical and the theoretical, covering: knowledge of simulation methods and techniques, the conceptual framework of a typical supply chain, the main concepts of system dynamics, and a set of practice problems with their corresponding solutions. The problem set includes illustrations and graphs relating to the simulation results of the Vensim® program, the main code of which is also provided. The examples used are a valuable simulation tool that can be modified and extended according to user requirements. The objective of Supply Chain Simulation is to meet the demands of supply chain simulation or similar courses taught at the postgraduate level. The “what if” analysis recreates different simulation scenarios to improve the decision-making process in terms of supply chain performance, making the book useful not only for postgraduate students, but also for industrial practitioners.

Concepts, Methodologies, Tools, and Applications

Implementing Supply Chain Principles

Supply Chain Management

Advances in Production Management Systems. Value Networks: Innovation, Technologies, and Management

Aligning Strategy, Configuration, and Coordination

The Internet and the Customer-Supplier Relationship

A State-of-the-Art Handbook, Volume 2

This state-of-the-art Handbook provides a comprehensive understanding and assessment of the field of global supply chain management (GSCM). Editors John T. Mentzer, Matthew B. Myers, and Theodore P. Stank bring together a distinguished group of contributors to describe and critically examine the key perspectives guiding GSCM, taking stock of what we know (and do not know) about them.

In a rapidly growing global economy, where there is a constant emergence of new business models and dynamic changes to the business ecosystem, there is a need for the integration of traditional, new, and hybrid concepts in the complex structure of supply chain management. Within the fast-paced pharmaceutical industry, product strategy, life cycles, and distribution must maintain the highest level of agility. Therefore, organizations need strong supply chain capabilities to profitably compete in the marketplace. Global Supply Chains in the Pharmaceutical Industry provides innovative insights into the efforts needed to build and maintain a strong supply chain network in order to achieve efficient fulfillment of demand, drive outstanding customer value, enhance organizational responsiveness, and build network resiliency. This publication is designed for supply chain managers, policymakers, researchers, academicians, and students, and covers topics centered on economic cycles, sustainable development, and new forces in the global economy.

This edited book describes new trends in supply chain design and management with an emphasis on technologies and methodologies. It contains guidelines detailing the real-world applications of these

technologies and methodologies. This book is of interest to researchers and practitioners and can also be used as a reference handbook by lecturers and postgraduate students in this field.
"This 10-volume compilation of authoritative, research-based articles contributed by thousands of researchers and experts from all over the world emphasized modern issues and the presentation of potential opportunities, prospective solutions, and future directions in the field of information science and technology"--Provided by publisher.
Concepts for Effective Management
Technologies and Methodologies
Encyclopedia of Information Science and Technology, Third Edition
A System Dynamics Approach for Improving Performance
Strategic Management of Global Manufacturing Networks
Supply Chain Simulation
Methods, Models and Applications in the Supply Chain

This book provides a detailed insight into the simulation approaches employed in the study of supply chain management and control. It begins by examining the types of simulation models (continuous simulation, discrete-event systems and simulation games) before moving on to the distribution levels of systems and models. It concludes with a thorough discussion of simulation products. Simulation methodologies and techniques are also covered throughout the text and case studies are included to highlight the pivotal role played by simulation in the decision-making processes of those working in this field.

This book discusses the critical contemporary issues of sustainability and integration of physical and information flow. It explores the digitalization of logistics processes and the need for a more integrated and a seamless cooperation in supply chain management, which are dominant trends in business practice. Moreover, it examines how the pressure for CO2 emission reductions and more resource- efficient business models influences the organization of logistics operations on both a local and global scale, demonstrating that integrating physical and cyber systems is necessary to achieve a more environmentally friendly, safe logistics and supply chain operations. In the individual chapters, the authors discuss the new qualitative and quantitative theoretical methods and models and also analyze case studies from business practice. This book provides valuable insights for academics, Ph.D. students and practitioners wishing to deepen their understanding of logistics operations and management.

Business practices are constantly evolving in order to meet growing customer demands. Evaluating the role of logistics and supply chain management skills or applications is necessary for the success of any organization or business. As market competition becomes more aggressive, it is crucial to evaluate ways in which a business can maintain a strategic edge over competitors. Supply Chain and Logistics Management: Concepts, Methodologies, Tools, and Applications is a vital reference source that centers on the effective management of risk factors and the implementation of the latest supply management strategies. It also explores the field of digital supply chain optimization and business transformation. Highlighting a range of topics such as inventory management, competitive advantage, and transport management, this multi-volume book is ideally designed for business managers, supply chain managers, business professionals, academicians, researchers, and upper-level students in the field of supply chain management, operations management, logistics, and operations research.

This book offers a concise yet comprehensive introduction to supply chain resilience, covering management, modeling and technology perspectives. Designed to accompany the textbook “Global Supply Chain and Operations Management” it addresses the topics of supply chain risks and resilience in more depth, describing the major features of supply chain resilience and explaining methodologies to mitigate supply chain disruptions and recover. Numerous practical examples and short case studies are provided to illustrate theoretical concepts. Without relying heavily on mathematical derivations, the book explains major concepts and methods to build and improve supply chain resilience and tackle supply chain disruption risks in a simple, uniform format to make it easy to understand for students and professionals with both management and engineering backgrounds. Graduate/PhD students and supply chain professionals alike will benefit from the structured, didactically oriented and concise presentation of the concepts, principles and methods of supply chain resilience management, modeling, and technological implementation.

Global Production Management
Text and Cases
Reinterpreting and Reimagining Megatrends in the World Economy
Supply Chain Configuration
A Decision-Oriented Introduction to the Creation of Value

Handbook on Electronic Commerce
IFIP WG 5.7 International Conference, APMS 2011, Stavanger, Norway, September 26-28, 2011, Revised Selected Papers

In two volumes, Planning Production and Inventories in the Extended Enterprise: A State of the Art Handbook examines production planning across the extended enterprise against a backdrop of important gaps between theory and practice. The early chapters describe the multifaceted nature of production planning problems and reveal many of the core complexities. The middle chapters describe recent research on theoretical techniques to manage these complexities. Accounts of production planning system currently in use in various industries are included in the later chapters. Throughout the two volumes there are suggestions on promising directions for future work focused on closing the gaps. Included in Volume 1 are papers on the Historical Foundations of Manufacturing Planning and Control; Advanced Planning and Scheduling Systems; Sustainable Product Development and Manufacturing; Uncertainty and Production Planning; Demand Forecasting; Production Capacity; Data in Production and Supply Chain Planning; Financial Uncertainty in SC Models; Field Based Research in Production Control; Collaborative SCM; Sequencing and Coordination in Outsourcing and Subcontracting Operations; Inventory Management; Pricing, Variety and Inventory Decisions for Substitutable Items; Perishable and Aging Inventories; Optimization Models of Production Planning Problems; Aggregate Modeling of Manufacturing Systems; Robust Stability Analysis of Decentralized Supply Chains; Simulation in Production Planning; and Simulation-Optimization in Support of Tactical and Strategic Enterprise Decisions. Included in Volume 2 are papers on Workload and Lead-Time Considerations under Uncertainty; Production Planning and Scheduling; Production Planning Effects on Dynamic Behavior of A Simple Supply Chain; Supply and Demand in Assemble-to-Order Supply Chains; Quantitative Risk Assessment in Supply Chains; A Practical Multi-Echelon Inventory Model with Semiconductor Application; Supplier Managed Inventory for Custom Items with Long Lead Times; Decentralized Supply Chain Formation; A Cooperative Game Approach to Procurement Network Formation; Flexible SC Contracts with Options; Build-to-Order Meets Global Sourcing for the Auto Industry; Practical Modeling in Automotive Production; Discrete Event Simulation Models; Diagnosing and Tuning a Statistical Forecasting System; Enterprise-Wide SC Planning in Semiconductor and Package Operations; Production Planning in Plastics; SC Execution Using Predictive Control; Production Scheduling in The Pharmaceutical Industry; Computerized Scheduling for Continuous Casting in Steelmaking; and Multi-Model Production Planning and Scheduling in an Industrial Environment.

Julia Wolf investigates the theoretical aspect of SCM by analyzing the evolution SCM research has undergone and by assessing the question whether SCM research can be considered a scientific paradigm as of today.

Globalization has made both operations and supply chains more complex than ever before. Inputs are sourced from many locations all over the world to serve different needs and market segments throughout the planet, making it a global challenge that necessitates a global strategic response. Managing Operations Throughout Global Supply Chains is a crucial academic resource that discusses concepts, methodologies, and applications of emerging techniques for operations and supply chain management processes that promote cost efficiency. While highlighting topics such as global operations, resource planning, and business forecasting, this publication explores how organizations manage the procurement of all necessary resources at every stage of the production cycle from the original source to the final consumers. This book is ideally designed for researchers, academicians, practitioners, professional organizations, policymakers, and government officials.

This book is written for practitioners and researchers who are currently working in the field of supply chain management and operations management. It provides a thorough explanation of the supply chain configuration problem as well as offers solutions that combine the mathematical aspects of problem solving with applications in modern information technology.

A Global Supply Chain Support Perspective
Smart and Sustainable Supply Chain and Logistics – Trends, Challenges, Methods and Best Practices Volume 1
Insights from a Content Analysis of International Supply Chain Management Literature from 1990 to 2006
Management, Modelling, Technology
Advances in Artificial Systems for Logistics Engineering
ECGBL 2019 13th European Conference on Game-Based Learning

The new digital economy has pronounced implications for corporate strategy, marketing, operations, information systems, customer service, global supply-chain management, and product distribution. This handbook examines most aspects of electronic commerce, including electronic storefronts, online business, consumer interface, business-to-business networking, digital payment, legal issues, information product development, and electronic business models. An indispensable reference for professionals in e-commerce and Internet business.

The discipline of technology management focuses on the scientific, engineering, and management issues related to the commercial introduction of new technologies. Although more than thirty U.S. universities offer PhD programs in the

subject, there has never been a single comprehensive resource dedicated to technology management. "The Handbook of Technology Management" fills that gap with coverage of all the core topics and applications in the field. Edited by the renowned Doctor Hossein Bidgoli, the three volumes here include all the basics for students, educators, and practitioners

The preceding process of globalization and the continuously rising competitive pressure on manufacturing companies in more developed economies unveiled the limits of classical site-focused optimization approaches. The focus of network optimization shifts ever more towards an integrative view of manufacturing networks, striving for a harmonization of the strategy-, configuration- and coordination levels. This book presents such an integrative approach to the strategic management of manufacturing networks. Besides strategic network requirements, this book discusses the derivation of an optimal global footprint and the optimization of network coordination activities. Special attention is paid to the site roles concept, especially to the concept of 'lead factory'. A large number of up-to-date cases from the producing industry enrich the book and provide the reader with vivid examples for the application of the presented concepts. Hence, this book is a must-read for both practitioners and academic researchers.

The third edition of this textbook comprehensively discusses global supply chain and operations management (SCOM), combining value creation networks and interacting processes. It focuses on operational roles within networks and presents the quantitative and organizational methods needed to plan and control the material, information, and financial flows in supply chains. Each chapter begins with an introductory case study, while numerous examples from various industries and services help to illustrate the key concepts. The book explains how to design operations and supply networks and how to incorporate suppliers and customers. It examines how to balance supply and demand, a core aspect of tactical planning, before turning to the allocation of resources to meet customer needs. In addition, the book presents state-of-the-art research reflecting the lessons learned from the COVID-19 pandemic, and emerging, fast-paced developments in the digitalization of supply chain and operations management. Providing readers with a working knowledge of global supply chain and operations management, with a focus on bridging the gap between theory and practice, this textbook can be used in core, specialized, and advanced classes alike. It is intended for a broad range of students and professionals in supply chain and operations management.

Handbook of Global Supply Chain Management

Customer-Oriented Global Supply Chains: Concepts for Effective Management

Supply Chain and Logistics Management: Concepts, Methodologies, Tools, and Applications

The Routledge Companion to Global Value Chains

Global Supply Chains in the Pharmaceutical Industry

International Supply Chain Management and Collaboration Practices

Innovative Solutions for Implementing Global Supply Chains in Emerging Markets

This book has resulted from the activities of IFAC TC 5.2 “Manufacturing Modelling for Management and Control”. The book offers an introduction and advanced techniques of scheduling applications to cloud manufacturing and Industry 4.0 systems for larger audience. This book uncovers fundamental principles and recent developments in the theory and application of scheduling methodology to cloud manufacturing and Industry 4.0. The purpose of this book is to present recent developments in scheduling in cloud manufacturing and Industry 4.0 and to systemize these developments in new taxonomies and methodological principles to shape this new research domain. This book addresses the needs of both researchers and practitioners to uncover the challenges and opportunities of scheduling techniques’ applications to cloud manufacturing and Industry 4.0. For the first time, it comprehensively conceptualizes scheduling in cloud manufacturing and Industry 4.0 systems as a new research domain. The chapters of the book are written by the leading international experts and utilize methods of operations research, industrial engineering and computer science. Such a multi-disciplinary combination is unique and comprehensively deciphers major problem taxonomies, methodologies, and applications to scheduling in cloud manufacturing and Industry 4.0.

Advancements in the field of information technology have transformed the way businesses interact with each other and their customers. Businesses now require customized products and services to reflect their constantly changing environment, yet this results in cutting-edge products with relatively short lifecycles. Innovative Solutions for Implementing Global Supply Chains in Emerging Markets addresses the roles of knowledge management and information technology within emerging markets. This forward-thinking title explores the current trends in supply chain management, knowledge acquisition and transfer mechanisms among supply chain partners, and knowledge management paradigms. This book is an invaluable resource for researchers, business professionals and students, business analysts, and marketing professionals.

"This book deals with risk management in enterprise network formations, stressing the importance of risk management in enterprises organized in networks followed by the presentation of the researcher suggested approaches which most of the time emphasizes in a supply chain"--Provided by publisher.

In light of increasing economic and international threats, military operations must be examined with a critical eye in terms of process design, management, improvement, and control. Although the Pentagon and militaries around the world have utilized industrial engineering (IE) concepts to achieve this goal for decades, there has been no single resource to bring together IE applications with a focus on improving military operations. Until now. Winner of the 2010 IIE/Joint Publishers Book-of-the-Year Award The Handbook of Military Industrial Engineering is the first compilation of the fundamental tools, principles, and modeling techniques of industrial engineering with specific and direct application to military systems. Globally respected IE experts provide proven strategies that can help any military organization effectively create, adapt, utilize, and deploy resources, tools, and technology. Topics covered include: Supply Chain Management and decision making Lean Enterprise Concepts for military operations Modeling and optimization Economic planning for military systems Contingency planning and logistics Human factors and ergonomics Information management and control Civilian engineers working on systems analysis, project management, process design, and operations research will also find inspiration and useful ideas on how to effectively apply the concepts covered for non-military uses. On the battlefield and in business, victory goes to those who utilize their resources most effectively, especially in times of operational crisis. The Handbook of Military Industrial Engineering is a complete reference that will serve as an invaluable resource for those looking to make the operational improvements needed to accomplish the mission at hand.

Postharvest Handling

Intelligent Systems in Operations: Methods, Models and Applications in the Supply Chain

Supply Chain Management in the Mastering Business in Asia Series
Supply Chain Risk Management
Learning from COVID and Future Pathways
Managing Risk in Virtual Enterprise Networks: Implementing Supply Chain Principles
Collaborative Networks for a Sustainable World

COVID-19 and other public health threats have contributed to more than six million deaths globally in a short amount of time. As such, there is an urgent need to respond to these threats in a way that improves global health and wellbeing. Written by a diverse group of exemplary scientists, the thirteen chapters in this volume provide unique, comprehensive, and science-based approaches to respond to macro-structural, human process, and micro issues affecting public health threats.

This book attempts to analyze the issues raised by the chronicity of the Covid pandemic and its governance. The author analyzes the information resources mobilized to combat the pandemic in industrialized countries and pays particular attention to the operational mechanisms. The analysis seeks to clarify the modalities of operation of the crisis system management, while at the same time looking at the decision-making mechanisms. The main lines of analysis retained are: the piloting and management of the crisis, the markets for ordering protective equipment and vaccine, the hospital organization and the prevention campaign, and the costs and the methods of financing. Finally, the author asks whether it might not therefore be appropriate to rethink the organization of the pandemic's governance and if health crisis governance should be opened up more to deal with societal challenges. This organization is too complex and suffers both from a certain heaviness and from a lack of resources, which are detrimental to its proper functioning. It should first and foremost be open to people in the field whose absence weighs heavily on the organization of the response to the pandemic. It should also be open to other specialties, even if they seem far removed from public health and medicine, if they are useful to the government in guiding its actions. Prof. Post-Dr. Walter Amedzro St-Hilaire is the author of more than 20 books and around 40 scientific articles. His specialization areas include portfolio management, project management, entrepreneurship policies, corporate and technology governance, business technology, strategic management, business economics, risk management, economic infrastructures, public administration, international development, and applied economics. He has taught at various universities in Canada and the USA. He has served as Chief Resources Economist and Principal Officer of Procurement Operations for UEB United European Bank and as a Technical Advisor on Economic Strategies and Policy Development for the World Bank. He is also a project economics and financial business expert for several institutions and international organizations.

This title was first published in 2003. An exhaustive and synthetic framework for the use of Internet tools in customer-supplier relationships is one aspect of e-business that is still missing from existing literature. This book analyses the main management implications related to the adoption of the Internet in the supply chain and unifies different research studies and contributions in order to build such a framework. It is based on wide empirical evidence including four in-depth case studies in both Europe and the US, a cross-industry survey of more than 160 US companies and website research describing emerging Internet initiatives in B2B relationships. By creating a concrete link between theory and practice it should appeal to academics and practitioners alike.

The intersection of supply chain management and e-business information systems is a significant topic for the modern business world as understanding which technologies will most effectively enable innovative practices is a key management competency. Innovations in Supply Chain Management for Information Systems: Novel Approaches presents exemplary research on the interface between these two fields, useful to academicians and practitioners keen on streamlining concurrently both information and materials flows across the supply chains. This advanced publication provides recent examinations as well as future directions of development.

11th IFIP WG 5.5 Working Conference on Virtual Enterprises, PRO-VE 2010, St. Etienne, France, October 11-13, 2010, Proceedings
Managing Operations Throughout Global Supply Chains
Novel Approaches
Scheduling in Industry 4.0 and Cloud Manufacturing
Tools for Analysis
The Handbook of Technology Management, Supply Chain Management, Marketing and Advertising, and Global Management
Introduction to Supply Chain Resilience

Supply chain management is a broader concept than logistics and extends beyond the company to all branches in the supply chain, including vendors, customers, carriers, facilitators, and channel intermediates. An in-depth understanding of supply chain fundamentals is imperative to create real value for the customer. Bowon Kim's Supply Chain Management examines the issues of effective SCM from the perspective of a dynamic organization, offering theoretical and empirical knowledge to effectively manage this interlocking series of transactions. Key decision dimensions are analyzed to better appreciate and manage the interrelationships between the critical elements of any SCM strategy: configuration, connection, inventory and logistics. Each element is reviewed to understand its dynamics and how it interacts with other factors to influence the overall performance of the supply chain. All linkages are scrutinized, from the optimum characteristics of supply chain coordination to innovative collaboration; the evolution of a supply chain strategy is charted through the course of this unique reference book. By thoroughly studying this book, readers will be able to develop a highly effective and well-balanced perspective to elucidate significant managerial problems in supply chain management. Collaborative Networks for a Sustainable World Aiming to reach a sustainable world calls for a wider collaboration among multiple stakeholders from different origins, as the changes needed for sustainability exceed the capacity and capability of any individual actor. In recent years there has been a growing awareness both in the political sphere and in civil society including the bu- ness sectors, on the importance of sustainability. Therefore, this is an important and timely research issue, not only in terms of systems design but also as an effort to b- row and integrate contributions from different disciplines when designing and/or g- erning those systems. The discipline of collaborative networks especially, which has already emerged in many application sectors, shall play a key role in the implemen- tion of effective sustainability strategies. PRO-VE 2010 focused on sharing knowledge and experiences as well as identi- ing directions for further research and development in this area. The conference - dressed models,

infrastructures, support tools, and governance principles developed for collaborative networks, as important resources to support multi-stakeholder s- tainable developments. Furthermore, the challenges of this theme open new research directions for CNs. PRO-VE 2010 held in St.
This book constitutes the thoroughly refereed post-conference proceedings of the International IFIP WG 5.7 Conference on Advances in Production Management Systems, APMS 2011, held in Stavanger, Norway, in September 2011. The 66 revised and extended full papers were carefully reviewed and selected from 124 papers presented at the conference. The papers are organized in 3 parts: production process, supply chain management, and strategy. They represent the breadth and complexity of topics in operations management, ranging from optimization and use of technology, management of organizations and networks, to sustainable production and globalization. The authors use a broad range of methodological approaches spanning from grounded theory and qualitative methods, via a broad set of statistical methods to modeling and simulation techniques.
"This book provides insights and supports executives, middle managers and practitioners concerned with the management of supply chain with expertise, knowledge, information and organizational management development in different types of industries"--Provided by publisher.
An Introduction to Supply Chain Management
Trends in Supply Chain Design and Management
Innovations in Supply Chain Management for Information Systems: Novel Approaches
Simulation for Supply Chain Management
Planning Production and Inventories in the Extended Enterprise
Supply Chain Management: Text and Cases
Science-Based Approaches to Respond to COVID and Other Public Health Threats

This book comprises high-quality refereed research papers presented at the 2021 International Conference on Artificial Intelligence and Logistics Engineering (ICAILE2021), held in Kyiv, Ukraine, on 22-24 January 2021, organized jointly by Wuhan University of Technology, National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute" and the International Research Association of Modern Education and Computer Science. The topics discussed in the book include state-of-the-art papers in artificial intelligence and logistics engineering. It is an excellent source of references for researchers, graduate students, engineers, management practitioners and undergraduate students interested in artificial intelligence and their applications in logistics engineering.
Containing case studies and research findings, this book deals with methods and tools suitable for designing, managing, and controlling processes within the supply chain. The authors are leading experts within the international community in the field of production management.
"This book provides knowledge and insights on present and future AI applications in Operations Management presenting tools and decisions in terms of theoretical and empirical models, methods and proposed applications"--Provided by publisher.
This Companion provides a review of global value chains (GVCs) and the megatrends that are shaping them and will continue to reshape them in deep-set trajectories of change over the next few decades. Megatrends herald both challenges and opportunities. With the growing interest among business leaders and researchers in GVCs, this is a reference work which fills a gap in current literature by focusing on the new features of GVCs, including the shift of global purchasing power towards developing economies, the significance of emerging technologies and data analytics, the increasing tensions between globalisation and de-globalisation, and the role of micro-multinationals, start-up entrepreneurs, the public sector and middle markets in a fast-changing global economy. The early chapters are essentially intradisciplinary in character, with the first seeking to explore some historical aspects of GVCs. Subsequent chapters cover the theory and practice of operations and supply chain management, emerging supply chain technologies, and the impact of inter-firm collaboration across sectors and economies. The final chapters take a more interdisciplinary approach and examine topics at the interface of GVCs with the economy, society, culture and politics. This comprehensive handbook provides a timely analysis of leading-edge global megatrends and practices in one volume.
A Systems Approach
Concepts, Solutions, and Applications
The Nature of Supply Chain Management Research
Global Supply Chain and Operations Management
Pandemic Governance
Handbook of Military Industrial Engineering