

Introduction To E Supply Chain Management Engaging Technology To Build Market Winning Business Partnerships Resource Management

Global Supply Chain and Operations Management Enterprise Resource Planning and Supply Chain Management E-Logistics E-Supply Chain Technologies and Management Managing the Supply Chain E-Logistics and E-Supply Chain Management Supply Chain Management and Advanced Planning Introduction to Supply Chain Management Successful Construction Supply Chain Management Handbook on the Sustainable Supply Chain Oracle E-Business Suite Manufacturing & Supply Chain Management Operations and Supply Management Supply Chain Metrics that Matter An Introduction to Supply Chain Management Managing Operations Throughout Global Supply Chains Introduction to Management of Reverse Logistics and Closed Loop Supply Chain Processes Introduction to e-Supply Chain Management E-supply Chain Principles of Supply Chain Management E-Supply Chain Technologies and Management Essentials of Supply Chain Management Practical E-Manufacturing and Supply Chain Management Applications of Contemporary Management Approaches in Supply Chains Sustainable Supply Chains Logistics Supply Chain Management Introduction to Operations and Supply Chain Management Supply Chain and Logistics Management Made Easy Enterprise Supply Chain Management Surviving Supply Chain Integration Total Supply Chain Management Global Supply Chain Management and International Logistics Communication Systems and Information Technology Applications of Supply Chain Management and E-Commerce Research Introduction to Supply Chain Management Technologies, Second Edition Construction Supply Chain Management Handbook Introduction to Operations and Supply Chain Management E-Commerce Principles of Global Supply Chain Management Distribution Planning and Control

Global Supply Chain and Operations Management

In today's environment of tight budgets and even tighter turnarounds, effective supply-chain management has become a core business requirement. Managing the Supply Chain adapts the number one supply-chain book on the college market to examine how professionals can consistently turn supply-chain strategy into a competitive advantage. This results-based book examines the experiences of today's most accomplished companies to demonstrate supply-chain innovation at work in the marketplace.

Enterprise Resource Planning and Supply Chain Management

Logistics is an essential introduction for any business student studying logistics or supply chain management. It takes a broad view of logistics, exploring all the main concepts within a wide business context, with a strong focus on application and practical situations. This clear and well-written text gives a very up-to-date perspective on this fast moving field. It explores the management of logistics and its strategic role within an organization, while examining new developments in the

field and providing an international dimension to the subject.

E-Logistics

New technologies are revolutionising the way manufacturing and supply chain management are implemented. These changes are delivering manufacturing firms the competitive advantage of a highly flexible and responsive supply chain and manufacturing system to ensure that they meet the high expectations of their customers, who, in today's economy, demand absolutely the best service, price, delivery time and product quality. To make e-manufacturing and supply chain technologies effective, integration is needed between various, often disparate systems. To understand why this is such an issue, one needs to understand what the different systems or system components do, their objectives, their specific focus areas and how they interact with other systems. It is also required to understand how these systems evolved to their current state, as the concepts used during the early development of systems and technology tend to remain in place throughout the life-cycle of the systems/technology. This book explores various standards, concepts and techniques used over the years to model systems and hierarchies in order to understand where they fit into the organization and supply chain. It looks at the specific system components and the ways in which they can be designed and graphically depicted for easy understanding by both information technology (IT) and non-IT personnel. Without a good implementation philosophy, very few systems add any real benefit to an organization, and for this reason the ways in which systems are implemented and installation projects managed are also explored and recommendations are made as to possible methods that have proven successful in the past. The human factor and how that impacts on system success are also addressed, as is the motivation for system investment and subsequent benefit measurement processes. Finally, the vendor/user supply/demand within the e-manufacturing domain is explored and a method is put forward that enables the reduction of vendor bias during the vendor selection process. The objective of this book is to provide the reader with a good understanding regarding the four critical factors (business/physical processes, systems supporting the processes, company personnel and company/personal performance measures) that influence the success of any e-manufacturing implementation, and the synchronization required between these factors. · Discover how to implement the flexible and responsive supply chain and manufacturing execution systems required for competitive and customer-focused manufacturing · Build a working knowledge of the latest plant automation, manufacturing execution systems (MES) and supply chain management (SCM) design techniques · Gain a fuller understanding of the four critical factors (business and physical processes, systems supporting the processes, company personnel, performance measurement) that influence the success of any e-manufacturing implementation, and how to evaluate and optimize all four factors

E-Supply Chain Technologies and Management

E-logistics serves as the nerve system for the whole supply chain and enables smooth information flow within and between organisations. This contributed book focusses on the strategic role of e-logistics in today's dynamic global environment. In E-Logistics international experts from both academia and industry examine how

competitiveness and productivity in transport, logistics and supply chain management can be improved using e-logistics systems and technologies. A variety of successful e-logistics business approaches are discussed covering a range of commercial sectors and transport modes. Separate chapters consider e-logistics developments for air freight; rail freight; road freight; sea transport and port systems. Subsequent chapters address in depth support systems for B2C and B2B E commerce and e-fulfilment, warehouse management, RFID, electronic marketplaces, global supply network visibility, and service chain automation. Industry case-studies are used to support the discussion. The book also investigates emerging technologies in e-logistics and considers what the future might hold in this rapidly changing and developing field.

Managing the Supply Chain

The development of international trade is driven by international logistics and management and the provision of the global supply chain. The ultimate objective of global supply chain management is to link the market place, distribution network, manufacturing/processing/assembly process, and procurement activity in such a way that customers are serviced at a higher level yet lower cost. Overall this has introduced a new breed of management in a computer literate environment operating in a global infrastructure. Addressing this complex topic, Alan Branch's new book fulfills two clear objectives: to provide a concise, standard work on the subject, written in lucid language that embraces all the ingredients of a notoriously complex subject with a strategic focus to extol best practices and focus on all areas of the industrial and consumer sectors and their interface with changing international market needs. Until now, no book dedicated to international logistics and supply chain management was available. Practically-oriented, this book features numerous case studies and diagrams from logistic operators. An ideal resource for management students, academics and managers who need a succinct treatment of global operations, Branch's book skillfully illustrates his ideas in practice. It is a book which should be on the shelf of every practitioner and student of the subject. Also available from Routledge: Elements of Shipping, Eighth Edition, Alan E. Branch. (978-0-415-36286-3) Maritime Economics: Management and Marketing, Alan E. Branch. (978-0-748-73986-8)

E-Logistics and E-Supply Chain Management

The latest book from a successful author team, this essential handbook provides the basic concepts, tools and techniques to support a supply chain excellence initiative. The book shows how to add value to an organisation through the optimum use of resources and supply chain elements and through the provision of improved customer satisfaction. Resources are defined as all available resources, whether owned or borrowed along the complete supply chain, from the supplier's supplier, through to the customer's customer. Specific supply chain issues and opportunities related to service industries, e-Supply Chain and emerging markets like India are key features of this book.

Supply Chain Management and Advanced Planning

Introduction to Supply Chain Management

The managed flow of goods and information from raw material to final sale also known as a "supply chain" affects everything--from the U.S. gross domestic product to where you can buy your jeans. The nature of a company's supply chain has a significant effect on its success or failure--as in the success of Dell Computer's make-to-order system and the failure of General Motor's vertical integration during the 1998 United Auto Workers strike. Supply Chain Integration looks at this crucial component of business at a time when product design, manufacture, and delivery are changing radically and globally. This book explores the benefits of continuously improving the relationship between the firm, its suppliers, and its customers to ensure the highest added value. This book identifies the state-of-the-art developments that contribute to the success of vertical tiers of suppliers and relates these developments to the capabilities that small and medium-sized manufacturers must have to be viable participants in this system. Strategies for attaining these capabilities through manufacturing extension centers and other technical assistance providers at the national, state, and local level are suggested. This book identifies action steps for small and medium-sized manufacturers--the "seed corn" of business start-up and development--to improve supply chain management. The book examines supply chain models from consultant firms, universities, manufacturers, and associations. Topics include the roles of suppliers and other supply chain participants, the rise of outsourcing, the importance of information management, the natural tension between buyer and seller, sources of assistance to small and medium-sized firms, and a host of other issues. Supply Chain Integration will be of interest to industry policymakers, economists, researchers, business leaders, and forward-thinking executives.

Successful Construction Supply Chain Management

Going beyond the usual supply chain text, Principles of Supply Chain Management not only details the individual components of the supply chain but also illustrates how the pieces must come together. Providing the logic behind why supply chain management is essential, the text examines how supply chains are evolving, looks ahead to future developments, and also provides a balanced look at supply chains with a focus on where it needs to be—the customer. It also: Describes the forward supply chain (from the supplier to the customer) and the reverse supply chain (recycling) Reviews contemporary sustainability concepts including triple bottom line, cradle-to-grave, and cradle-to-cradle Includes extensive discussions on retailing, distribution, and manufacturing topics Details supply chain flows of physical goods, information, and funds Highlights the need for coordinated change in technology, infrastructure, and cultures among supply chain members From the point of distribution all the way back to the point of origin, the text provides examples and case histories that illustrates a proven approach for achieving effective supply chain integration. This self-contained resource provides readers with a realistic appraisal of the state of the art in supply chain management and the understanding needed to build and manage effective supply chains in a wide-range of industries. Most importantly, it emphasizes the need for building and maintaining cooperation and collaboration among all members of the supply chain.

Handbook on the Sustainable Supply Chain

This book is about running modern industrial enterprises with the help of information systems. Enterprise resource planning (ERP) is the core of business information processing. An ERP system is the backbone of most companies' information systems landscape. All major business processes are handled with the help of this system. Supply chain management (SCM) looks beyond the individual company, taking into account that enterprises are increasingly concentrating on their core competencies, leaving other activities to suppliers. With the growing dependency on the partners, effective supply chains have become as important for a company's success as efficient in-house processes. This book covers typical business processes and shows how these processes are implemented. Examples are presented using the leading systems on the market – SAP ERP and SAP SCM. In this way, the reader can understand how business processes are actually carried out "in the real world".

Oracle E-Business Suite Manufacturing & Supply Chain Management

This volume includes extended and revised versions of a set of selected papers from the International Conference on Electric and Electronics (EEIC 2011) , held on June 20-22 , 2011, which is jointly organized by Nanchang University, Springer, and IEEE IAS Nanchang Chapter. The objective of EEIC 2011 Volume 4 is to provide a major interdisciplinary forum for the presentation of new approaches from Communication Systems and Information Technology, to foster integration of the latest developments in scientific research. 137 related topic papers were selected into this volume. All the papers were reviewed by 2 program committee members and selected by the volume editor Prof. Ming Ma. We hope every participant can have a good opportunity to exchange their research ideas and results and to discuss the state of the art in the areas of the Communication Systems and Information Technology.

Operations and Supply Management

This textbook presents global supply chain and operations management from a comprehensive perspective, combining value creation networks and interacting processes. It focuses on the operational roles in the networks and presents the quantitative and organizational methods needed to plan and control the material, information and financial flows in the supply chain. Each chapter of the book starts with an introductory case study. 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. As matching supply and demand is a core aspect of tactical planning, the book focuses on it before turning to the allocation of resources for fulfilling customer demands. Providing readers with a working knowledge of global supply chain and operations management, this textbook can be used in core, special and advanced classes. Therefore, the book targets a broad range of students and professionals involved with supply chain and operations management. Special focus is directed at bridging theory and practice.

Supply Chain Metrics that Matter

In the quest to remove supply channel costs, streamline channel communications, and link customers to the value-added resources found along the supply chain continuum, Supply Chain Management (SCM) has emerged as a tactical operations tool. The first book to completely define the architecture of the merger of SCM and the Internet, *Introduction to e-Supply Chain Management: Engaging Technology to Build Market-Winning Business Partnerships* shows you how to exploit this merger and gain an unbeatable competitive advantage. The tightening of the economy and heavier restrictions and security measures placed on channel flows have rendered access to real-time, accurate supply chain information more critical than ever. Connectivity, messaging, and collaboration have become today's foremost buzzwords, as companies compete for survival in an environment where cycle times and permissible margins of error continue to shrink. *Introduction to e-Supply Chain Management* explores the concepts, techniques, and vocabulary of the convergence of SCM and the Internet so that companies can move beyond merely surviving and thrive in today's competitive marketplace.

An Introduction to Supply Chain Management

When work began on the first volume of this text in 1992, the science of distribution management was still very much a backwater of general management and academic thought. While most of the body of knowledge associated with calculating EOQs, fair-shares inventory deployment, productivity curves, and other operations management techniques had long been solidly established, new thinking about distribution management had taken a definite back-seat to the then dominant interest in Lean thinking, quality management, and business process reengineering and their impact on manufacturing and service organizations. For the most part, discussion relating to the distribution function centered on a fairly recent concept called Logistics Management. But, despite talk of how logistics could be used to integrate internal and external business functions and even be considered a source of competitive advantage on its own, most of the focus remained on how companies could utilize operations management techniques to optimize the traditional day-to-day shipping and receiving functions in order to achieve cost containment and customer fulfillment objectives. In the end, distribution management was, for the most part, still considered a dreary science, concerned with transportation rates and cost trade-offs, expediting and the tedious calculus. Today, the science of distribution has become perhaps one of the most important and exciting disciplines in the management of business.

Managing Operations Throughout Global Supply Chains

"This book explores the creation of integrated supply chains, the developments of virtual business, and the processes of re-engineering for business development"--Provided by publisher.

Introduction to Management of Reverse Logistics and Closed Loop Supply Chain Processes

THE PRACTICAL, EASY INTRODUCTION TO MODERN SUPPLY CHAIN/LOGISTICS MANAGEMENT FOR EVERY PROFESSIONAL AND STUDENT! COVERS CORE CONCEPTS, PLANNING, OPERATIONS, INTEGRATION, COLLABORATION, NETWORK DESIGN, AND MORE SHOWS HOW TO MEASURE, CONTROL, AND IMPROVE ANY SUPPLY CHAIN INCLUDES PRACTICAL ADVICE FOR JUMPSTARTING YOUR OWN SUPPLY CHAIN CAREER This easy guide introduces the modern field of supply chain and logistics management, explains why it is central to business success, shows how its pieces fit together, and presents best practices you can use wherever you work. Myerson explains key concepts, tools, and applications in clear, simple language, with intuitive examples that make sense to any student or professional. He covers the entire field: from planning through operations, integration and collaboration through measurement, control, and improvement. You'll find practical insights on hot-button issues ranging from sustainability to the lean-agile supply chain. Myerson concludes by helping you anticipate key emerging trends--so you can advance more quickly in your own career. Trillions of dollars are spent every year on supply chains and logistics. Supply chain management is one of the fastest growing areas of business, and salaries are rising alongside demand. Now, there's an easy, practical introduction to the entire field: a source of reliable knowledge and best practices for students and professionals alike. Paul A. Myerson teaches you all you'll need to start or move forward in your own supply chain career. Writing in plain English, he covers all the planning and management tasks needed to transform resources into finished products and services, and deliver them efficiently to customers. Using practical examples, Myerson reviews the integration, collaboration, and technology issues that are essential to success in today's complex supply chains. You'll learn how to measure your supply chain's performance, make it more agile and sustainable, and focus it on what matters most: adding customer value. MASTER NUTS-AND-BOLTS OPERATIONAL BEST PRACTICES Improve procurement, transportation, warehousing, ordering, reverse logistics, and more BUILD A BETTER GLOBAL SUPPLY CHAIN Manage new risks as you improve sustainability STRENGTHEN KEY LINKAGES WITH YOUR PARTNERS AND CUSTOMERS Get supply chains right by getting collaboration right PREVIEW THE FUTURE OF SUPPLY CHAINS--AND YOUR SUPPLY CHAIN CAREER Discover "where the puck is headed"--so you can get there first

Introduction to e-Supply Chain Management

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.

E-supply Chain

The growth of the Internet continues to influence our lives and businesses. Irrespective of their type and size, all firms and organizations are rethinking their strategies and operations. An increasing number of businesses are using e-commerce to gain competitive advantage. However, doing e-commerce is complex and requires understanding a vast array of topics. This book provides coverage of essential topics in E-commerce i.e. technology infrastructure, building blocks of e-commerce, online marketing, online payment systems, online business models, online business environment issues, website usability, e-commerce strategy, mobile commerce, and e-CRM/e-SCM. Compared with available texts on e-commerce, the perspective of this book is global e-commerce. The book is written in simple language, provides up-to-date coverage of material and associated research, and filled with examples to support material presented. This book is useful for undergrad and graduate students, professionals, and anyone looking to gain a solid foundation to continue their learning of dynamic e-commerce environment.

Principles of Supply Chain Management

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.

E-Supply Chain Technologies and Management

How to Conquer the Effective Frontier and Drive Improved Value in Global Operations Growth has slowed. Volatility has increased and the world is more global. Brands are defined by innovation and services. Supply chain excellence matters more than ever. It makes a difference incorporate performance. One cannot snap their fingers and deliver supply chain success. It happens over the course of many years. It is measured in inches not miles. In this book, the author evaluates the progress of over a hundred companies over the period of 2006-2013. Success drives value. The effective supply chain makes a difference in winning a war, saving a patient, and driving commerce; but it also makes a difference in a community having clean air, potable water, and a standard of living. Mistakes are hard to overcome. Supply Chain Metrics that Matter tells this story. The book

links corporate financials to supply chain maturity. In the book, the author analyzes which metrics matter. The author Lora M. Cecere is a supply chain researcher as well as an authority in supply chain technology. She helps companies gain first mover advantage. In the book, Cecere provides concrete, actionable steps to align and balance the supply chain to drive value. The book explores the crossover between supply chain efficiency and financial growth with topics such as: Outlining the metrics that matter, the metrics that don't Progress in industry sub-segment in improving inventory, cash, productivity and margin The management techniques that improve performance Sharing insights on how metrics change as the supply chain matures The roadmap to improve performance. Today, supply chains are global and dynamic. They are rapidly evolving. Companies that constantly seek out new solutions and opportunities for improvement drive differentiation. In a market where growth is stalled and many companies are stuck in driving supply chain performance, this book provides a clear, concise framework for a more modern, effective supply chain.

Essentials of Supply Chain Management

Supply chain management has long been a feature of industry and commerce but, with increasing demands from consumers, producers are spending more time and money investing in ways to make supply chains more sustainable. This exemplary Handbook provides readers with a comprehensive overview of current research on sustainable supply chain management.

Practical E-Manufacturing and Supply Chain Management

Provides a unique overview of supply chain management (SCM) concepts, illustrating how the methodology can help enhance construction industry project success This book provides a unique appraisal of supply chain management (SCM) concepts brought together with lessons from industry and analysis gathered from extensive research on how supply chains are managed in the construction industry. The research from leading international academics has been drawn together with the experience from some of the industry's foremost SCM practitioners to provide both the experienced researcher and the industry practitioner a thorough grounding in its principles, as well as an illustration of SCM as a methodology for enhancing construction industry project success. The new edition of Successful Construction Supply Chain Management: Concepts and Case Studies incorporate chapters dealing with Building Information Modelling, sustainability, the 'Demand Chain' in projects, the link between self-organizing networks and supply chains, decision-making, 'Lean,' and mega-projects. Other chapters cover risk transfer and allocation, behaviors, innovation, trust, supply chain design, alliances, and knowledge transfer. Supply Chain Management techniques have been used successfully in various industries, such as manufacturing and food processing, for decades Fully updated with new chapters dealing with key construction industry topics such as BIM, sustainability, the 'Demand Chain' in projects, 'Lean,' mega-projects, and more Includes contributions from well established academics and practitioners from Network Rail, mainstream construction, and consultancy Illustrates how SCM methodologies can be used to enhance construction industry project success Successful Construction Supply Chain Management: Concepts and Case Studies is an ideal book for postgraduate

students at MSc and PhD level studying the topic and for all construction management practitioners.

Applications of Contemporary Management Approaches in Supply Chains

Implement Oracle's Internet-based Manufacturing and Supply Chain Management products using this Oracle authorized resource. This comprehensive guide explains how to implement the planning, engineering, pricing, order fulfillment, and inventory management components of Oracle Manufacturing and Supply Chain--and develop and deliver goods and services faster, cheaper, and more efficiently than your competitors.

Sustainable Supply Chains

A model for developing a "supply chain" that works provides readers with valuable information on how to maximize the distribution networks on the Internet.

Logistics

In today's rapidly changing business environment, strong influence of globalization and information technologies drives practitioners and researchers of modern supply chain management, who are interested in applying different contemporary management paradigms and approaches, to supply chain process. This book intends to provide a guide to researchers, graduate students and practitioners by incorporating every aspect of management paradigms into overall supply chain functions such as procurement, warehousing, manufacturing, transportation and disposal. More specifically, this book aims to present recent approaches and ideas including experiences and applications in the field of supply chains, which may give a reference point and useful information for new research and to those allied, affiliated with and peripheral to the field of supply chains and its management.

Supply Chain Management

integration of components associated with developing new products, buying materials, transforming them, and shipping them to customers--these are among the topics explored in this book for business and engineering practitioners.

Introduction to Operations and Supply Chain Management

Supply chain management is the cornerstone of the competitive strategies of many presentday organizations and has evolved from the operational to the strategic level. Understanding this, Principles of Global Supply Chain Management offers a comprehensive insight into the global supply chain sector—analyzing the strategic, operational and financial aspects of the industry, and addressing the key elements in the management of global supply chains. The key topics of each chapter demonstrate a variety of fundamental issues in the supply chain industry: What are supply chain markets? What is the supply chain cost structure? What are supply chain strategies? How do supply chain firms design and implement

strategies? What are the key roles of logistics service providers, logistics education operators and logistics associations? How should supply chain operations be managed? How is a sustainable and innovative supply chain structure created? Comparative practical case studies from Asia, North America and Latin America lend weight to the chapters.

Supply Chain and Logistics Management Made Easy

" To sum up, there should be a copy on the bookshelf of all engineers responsible for detailed planning of the Product Delivery Process (PDP). The Editors highlight the impressive gains reported by companies exploiting the potential of coordinating organizational units and integrating information flows and planning efforts along a supply chain. This publication is strong on coordination and planning. It is therefore recommended as an up-to-date source book for these particular aspects of SCM." International Journal of Production Research 2001/Vol. 39/13

Enterprise Supply Chain Management

E-supply chain is the use of information technology, electronic means, or cyberspace to bring together widely dispersed suppliers and buyers, to enhance coordination and knowledge sharing, and to manage upstream and downstream value chain channels. E-Supply Chain Technologies and Management offers the most comprehensive analysis of the concepts, models, and IT infrastructures of electronic supply chains. This Premier Reference Source provides a broad understanding of issues pertaining to the use of emerging information technologies and their impact on supply chain flexibility and management. Professionals, researchers, and practitioners who want to explore the concepts and principles of e-supply chain, or want to apply various e-supply chain models and systems to solve business problems, will find this reference book to be an indispensable tool.

Surviving Supply Chain Integration

Operations and Supply Management, as the title indicates, provides increased emphasis on supply chain management in the 12e. The 12e continues its market leading up-to-date coverage of service operations as well. The text includes solved examples and problems, enough cases for MBA courses to use without supplementing, and the industry leading technology support suite.

Total Supply Chain Management

This book is primarily intended to serve as a research-based textbook on sustainable supply chains for graduate programs in Business, Management, Industrial Engineering, and Industrial Ecology, but it should also be of interest for researchers in the broader sustainable supply chain space, whether from the operations management and industrial engineering side or more from the industrial ecology and life-cycle assessment side. Finding efficient solutions towards a more sustainable supply chain is increasingly important for managers, but clearly this raise difficult questions, often without clear answers. This book

aims to provide insights into these kinds of questions for students and practitioners, based on the latest academic research.

Global Supply Chain Management and International Logistics

Communication Systems and Information Technology

The bestselling guide to the field, updated with the latest innovations Essentials of Supply Chain Management is the definitive guide to the field, providing both broad coverage and necessary detail from a practical, real-world perspective. From clear explanation of fundamental concepts to insightful discussion of supply chain innovation, this book offers students and professionals a comprehensive introduction with immediately-applicable understanding. The fourth edition has been updated to reflect the current state of the field, with coverage of the latest technologies and new case studies that illustrate critical concepts in action. Organized for easy navigation and ease-of-use, this invaluable guide also serves as a quick reference for managers in the field seeking tips and techniques for maximizing efficiency and turning the supply chain into a source of competitive advantage. The supply chain underpins the entire structure of manufacturing and retailing. Well-run, it can help a company become a global behemoth—or, if poorly-managed, it can sink a company before the product ever sees the light of day. The supply chain involves many moving parts, constantly-changing variables, and a network of other business that may have different priorities and interests—keeping it all running smoothly is a complex, but immensely powerful skill. This book takes you inside the supply chain to show you what you need to know. Understand the fundamental concepts behind supply chain management Learn how supply chains work, and how to measure their performance Explore the ways in which innovation is improving supply chains around the world Examine the supply chain as a source of competitive advantage Whether you're at the front or the back of your supply chain, your business is affected by every other company and event in the chain. Deep understanding and a host of practical skills are required to accurately predict, react to, and manage the ever-changing stream of events that could potentially disrupt the flow. Essentials of Supply Chain Management prepares you to take on the challenge and succeed.

Applications of Supply Chain Management and E-Commerce Research

It is almost impossible to conceive of the concept and practical application of supply chain management (SCM) without linking it to the enabling power of today's information technologies. Building upon the foundations of the first edition, Introduction to Supply Chain Management Technologies, Second Edition details the software toolsets and suites driving integration in the areas of customer management, manufacturing, procurement, warehousing, and logistics. By investigating the breakthroughs brought about by the emergence of new Internet-based technologies in information, channel, customer, production, sourcing, and logistics management, the author provides new insights into the continuously emerging field of SCM. New in the Second Edition: New model of SCM Extended

discussion of the concepts of lean, adaptive, and demand-driven supply chain technologies Customer experience management and social networking Fundamentals of computing and their enabling power Basics of today's ERP/supply chain business solutions Integrative software tools that allow for new levels of collaboration, flexibility, and performance The new edition expands on emerging technologies that have provided all forms of enterprises with the capability to continuously automate cost, redundancy, and variation out of the process; enhance information creation and visibility; and expand the peer-to-peer connectivity that allows people to network their tasks, ideas, and aspirations to produce a form of collective open-ended knowing, collaborating, and experiencing. The information presented builds an understanding of how today's technology-driven SCM provides new avenues to execute superlative, customer-winning value through the digital, real-time synchronization of productive competencies, products, services, and logistics delivery capabilities with the priorities of an increasingly global business environment.

Introduction to Supply Chain Management Technologies, Second Edition

Increasing legislative and environmental pressure requires businesses to become more responsive to products that either have been returned or that are at the end of their useful lives. Life cycles are getting shorter, and efficient handling can save large amounts of money since many materials can be extracted and reused or redistributed. Reverse lo

Construction Supply Chain Management Handbook

Introduction to Operations and Supply Chain Management, 2/e is the first text to provide an integrated and comprehensive treatment of both operations and supply chain management. In the 2nd edition, the authors provide deeper coverage of important topics while maintaining a trim, integrated book. It now provides substantial coverage of the major operations management topics and tools, while extending coverage to include core supply chain management issues.

Introduction to Operations and Supply Chain Management

E-supply chain is the use of information technology, electronic means, or cyberspace to bring together widely dispersed suppliers and buyers, to enhance coordination and knowledge sharing, and to manage upstream and downstream value chain channels. E-Supply Chain Technologies and Management offers the most comprehensive analysis of the concepts, models, and IT infrastructures of electronic supply chains. This Premier Reference Source provides a broad understanding of issues pertaining to the use of emerging information technologies and their impact on supply chain flexibility and management. Professionals, researchers, and practitioners who want to explore the concepts and principles of e-supply chain, or want to apply various e-supply chain models and systems to solve business problems, will find this reference book to be an indispensable tool.

E-Commerce

In February 2002, the Industrial and Systems Engineering (ISE) Department at the University of Florida hosted a National Science Foundation Workshop on Collaboration and Negotiation in Supply Chain Management and E Commerce. This workshop focused on characterizing the challenges facing leading edge firms in supply chain management and electronic commerce, and identifying research opportunities for developing new technological and decision support capabilities sought by industry. The audience included practitioners in the areas of supply chain management and E Commerce, as well as academic researchers working in these areas. The workshop provided a unique setting that has facilitated ongoing dialog between academic researchers and industry practitioners. This book codifies many of the important themes and issues around which the workshop discussions centered. The editors of this book, all faculty members in the ISE Department at the University of Florida, also served as the workshop's coordinators. In addition to workshop participants, we also invited contributions from leading academics and practitioners who were not able to attend. As a result, the chapters herein represent a collection of research contributions, monographs, and case studies from a variety of disciplines and viewpoints. On the academic side alone, chapter authors include faculty members in supply chain and operations management, marketing, industrial engineering, economics, computer science, civil and environmental engineering, and building construction departments.

Principles of Global Supply Chain Management

Praise for Enterprise Supply Chain Management: Integrating Best-in-Class Processes "Enterprise Supply Chain Management: Integrating Best-in-Class Processes is a great primer on all things supply chain. This is a must-read for any IT, finance, business, or sales executive working for an organization where supply chain is a strategic discipline." —David Landau, Vice President, Manhattan Associates "This book provides a comprehensive mapping of supply chain processes and associated solution architecture. Its clarity and concise language makes it a definite read for anyone with a need to understand the bigger picture on supply chain management solutions and best practices. Equally suited for supply chain managers, IT managers, architects, and students looking forward to a career in supply chain management." —Yasser Alkazzaz, Senior Vice President of Supply Chain, Hatch Corporation (Canada) "Easily the best book for the practitioners who must understand the overall scope of supply chain functions, technology, and its impact on finance in an enterprise, without the need to get into the algorithms behind the supply chain solutions. The appendix on potential evolution of a green supply chain is thought-provoking for those pioneering carbon-aware supply chains." —Pervinder Joharformer, CTO and Executive Vice President, Manhattan Associates "Great book and especially relevant in these times when reducing expenses is vital given the current economic times. The book clearly explains how implementing the correct supply chain processes can help you to achieve your cost-reduction goals; and if you are someone whose job depends on achieving these goals, this is for you." —Henry Blum, Manager, Logistics Applications, Inc. Find out how your supply chain processes fit into your company's big picture—using best-in-class processes Clearly written and foundational in approach, this book builds on fundamental concepts including: Why the heart of your supply chain is the flow of merchandise The wide scope of supply chain

functions in your enterprise Clearly explained industry terms that demystify the jargon The financial implications of supply chain management The ins and outs of demand and supply planning, transportation, and warehouse management, reverse logistics management, and collaboration Enterprise Supply Chain Management is filled with an abundance of examples that simplify and cover a wide scope of supply chain functions.

Distribution Planning and Control

Mounting emphasis on construction supply chain management (CSCM) is due to both global sourcing of materials and a shortage of labor. These factors force increasing amounts of value-added work to be conducted off-site deep in the supply chain. Construction Supply Chain Management Handbook compiles in one comprehensive source an overview of the diverse research and examples of construction supply chain practice around the world. Reflecting the emergence of CSCM as an important area of multi-national research and practice, this volume takes an interdisciplinary perspective with contributions from leading international authors in three major areas: production and operations analysis, organizational perspectives, and information technology. The book begins with a survey of the current literature on modeling construction supply chain production and describes a set of approaches and methods for designing and operating project supply chains with references to design and materials production. It provides the basic framework for understanding the challenges and approaches to representing and improving supply chain performance. The next section recognizes the importance of considering arrangements between the different firms involved in designing, procuring, and assembling construction, and reviews various perspectives to understanding and improving organizational issues in the supply chain. The final section provides an overview of a range of information technologies that can contribute to supply chain performance, as well as examples of effective use. The organization and sourcing of materials is increasingly complex across the global construction industry. Construction clients are demanding faster, more responsive construction processes and higher quality facilities. This volume provides an invaluable resource to understanding the implications of supply chain management, which is sure to result in more effective construction project execution.

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