

Pdf free Handbooks in operations research and management science supply chain management design coordination and operation hanbooks in operations research and management series (2023)

Supply Chain Management Supply Chain Network Design
Making Supply Chain Management Work Supply Chain Design
and Management Design chains Trends in Supply Chain
Design and Management Supply Chain Design (Collection)
Product Design and the Supply Chain Trends in Supply
Chain Design and Management Design for Environment as a
Tool for the Development of a Sustainable Supply Chain
New Directions in Supply-Chain Management Supply Chain
Design and Management for Emerging Markets Dynamic
Supply Chains Strategic Supply Chain Design Supply
Chain Network Design Sustainable Operations and Supply
Chain Management Supply Chain Management Product Design
and the Supply Chain Supply Chain Management Mass
Customization Essentials of Supply Chain Management The
Definitive Guide to Modern Supply Chain Management
(Collection) Designing Value-Creating Supply Chain
Networks Design and Analysis of Closed-Loop Supply
Chain Networks Supply Chain Management Best Practices
Supply Chain Network Design Supply Chain Network Design
Designing and Managing Industrial Product-Service
Systems Supply Chain Management Supply Chain Design
Seminar Work. Retailers, Relocation, Sustainability
Supply Chain Risk Management Multiple Criteria Decision
Making in Supply Chain Management Supply Chain
Optimization, Design, and Management: Advances and
Intelligent Methods Supply Chain Strategy Supply Chain
Configuration Supply Chain Management and Logistics

Lean and Green Supply Chain Management Enterprise
Supply Chain Management Interorganizational
coordination in container transport Contract Analysis
and Design for Supply Chains with Stochastic Demand

Supply Chain Management

2003-12-05

this handbook contains chapters covering a broad range of supply chain management issues written by leading experts in the field it is aimed at researchers students engineers economists and managers involved in supply chain management

Supply Chain Network Design

2012-08-20

using strategic supply chain network design companies can achieve dramatic savings from their supply chains now experts at ibm and northwestern university have brought together both the rigorous principles and the practical applications you need to master you ll learn how to use supply chain network design to select the right number location territory and size of warehouses plants and production lines and optimize the flow of all products through your supply chain even if extends around the globe the authors present better ways to decide what to manufacture internally where to make these products which products to outsource and which suppliers to use they guide you in more effectively managing tradeoffs such as cost vs service level improving operational decision making by integrating analytics throughout supply chain management and re optimizing regularly for even greater savings supply chain network design combines best practices the latest methods in optimization and analytics and cutting edge case studies everything you need to maximize the value of supply chain network design for all supply chain executives managers strategists and analysts and for all students instructors and researchers in advanced supply chain management and or logistics courses

Making Supply Chain Management Work

2001-12-13

any supply chain improvement project even if well conceived has a good chance of failing unless the accompanying information technology enables the design being prepared understanding the risks and how to reduce them will give you the edge you need combining a technology focus with practical advice making supply chain management work desig

Supply Chain Design and Management

2002-01-14

supply chain design and management introduces the concept of a sharing mechanism that will ensure the sustainability of a supply chain by fair distribution of costs and benefits this book provides a holistic view of the supply chain from product development purchasing manufacturing distribution and storage to retailing the presentation of the enabling technologies in supply chain management will help companies better understand their options provides a step by step framework for designing supply chains at the strategic level written for those who deal with the supply chains on a day to day basis as well as those new to the field provides a synthesis of best practices for managing supply chains at the tactical level provides a review of the state of the art in enabling information technologies and business applications explains the concepts with examples from the industry and simple mathematical formulations is accessible to graduate students for an excellent understanding of how supply chains work and can join the industry armed with the knowledge of the workings of supply chains

Design chains

2001

design chains represents innovative thinking for the companies who have developed the concept to give them critical advantage in the market this is an important initiative it deserves to be read i commend it to the whole construction team led by clients and throughout

the supply chain sir michael lathamdesign chains presents innovative new thinking in supply chain management

Trends in Supply Chain Design and Management

2007-07-17

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

Supply Chain Design (Collection)

2013-03-02

a brand new collection of world class supply chain design solutions 3 authoritative books now in a convenient e format at a great price 3 authoritative ebooks deliver state of the art guidance for designing and optimizing highly competitive global supply chains this unique 3 ebook package will help you design state of the art supply chains that deliver rapid quantifiable and sustainable competitive advantage the encyclopedia of operations management is the perfect single volume field manual for every supply chain or operations management practitioner and student nearly 1 500 well organized up to date definitions cover every facet of supply chain design planning management and optimization next in reinventing the supply chain life cycle marc j schniederjans and stephen b legrand show how to optimize supply chains throughout their entire lifecycle creation growth maturity and decline reflecting up to the minute in the trenches experience and pioneering research this book illuminates the complex transformational processes associated with

managing complex supply chains that incorporate multiple products and services within ever changing networks they walk you through starting creating and building new supply chains realigning them for growth adjusting to dynamic change readjusting networks building flexibility and managing new risks next they offer practical realistic guidance for realigning mature supply chains innovating controlling costs and smoothly managing declining demand throughout they offer invaluable insights tools and examples for negotiation performance measurement anticipating change improving agility meeting commitments to social responsibility and the law and more finally in supply chain network design four leading ibm and northwestern university experts show how to use strategic supply chain network design to achieve dramatic new savings they integrate rigorous principles and practical applications to help you select the right number location territory and size of warehouses plants and production lines and optimize the flow of all products through even the most complex global supply chain you ll find better ways to decide what and where to manufacture internally and which products to outsource and to whom you ll get help managing cost vs service level tradeoffs using analytics to improve decision making and re optimizing regularly for even more savings whatever your role in supply chain design this collection will help you systematically optimize performance customer value and profitability from world renowned supply chain experts arthur v hill marc j schniederjans stephen b legrand michael watson sara lewis peter cacioppi and jay jayaraman

Product Design and the Supply Chain

2018-12-03

product design touches every aspect of modern life determining the form and function of the products and technologies that we use every day product design is not just concerned with the appearance and functionality of products it has an important role in determining the cost pricing risk and profitability

profile of those products product design and the supply chain shows how decisions taken at the design stage of a product s life cycle go on to affect that product s subsequent value to a company eighty percent of a product s eventual supply chain costs are already present at the early stages of product design and development this book allows companies to make informed design decisions that have significant positive through life implications for risk complexity and responsiveness thus allowing them to create a moat that is difficult for competitors to sidestep or surmount product design and the supply chain contains fascinating content applicable to industry it is full of useful and insightful real life cases and examples this book sets out to show how design impacts sales revenues pricing time to market manufacturing and supply chain costs supply chain risks brand loyalty and competitiveness

Trends in Supply Chain Design and Management

2009-10-12

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

Design for Environment as a Tool for the Development of a Sustainable Supply Chain

2012-01-05

environmental design is becoming an increasingly significant agenda for many manufacturing companies and

yet there is no standard to their approaches strategies or their levels of execution applying design for environment dfe methodologies to develop a more sustainable supply chain has formed procedures and techniques which allow designers to integrate these methods with environmental supply chain management design for environment as a tool for the development of a sustainable supply chain aims to define relevant target specifications for a product throughout its life cycle from conception and design to the end of its operating life be considering this new approach to the supply chain environmental responsiveness can work in tandem with sounds business management the usual focus on suppliers manufacturers and customers is expanded in design for environment as a tool for the development of a sustainable supply chain to include stakeholders such as government bodies and recycling companies the influence of these additional groups is analyzed alongside concepts such as product life cycle development aimed at environmental impact minimization supplier selection and management based on environmental criteria and marketing and communication choices which increase the value of environmentally sensitive products by including several case studies alongside theoretical topics design for environment as a tool for the development of a sustainable supply chains acts as a foundation for professionals across the supply chain from industrial designers to marketing and sales departments who are involved in environmental issues

New Directions in Supply-Chain Management

2002-04-17

technology has introduced dramatic new efficiencies to supply chain design management and control but only to those who can open their minds to these new methods and strategies this book presents innovative articles from eighteen of today s top young ph d scholars each based on discussions at the 2000 frank batten young leaders forum of the college of william and mary these rising

stars from the country s most prestigious operations management programs each take a fresh perspective on current practices and future directions in supply chain management and overall business strategy provocative yet valuable questions are asked and answers provided on subjects including development of effective performance metrics techniques to streamline the order management cycle methods to leverage product design and manufacture to reduce supply chain costs ways to share knowledge throughout an organization concerning forecasts manufacturing and sourcing plans and distribution

Supply Chain Design and Management for Emerging Markets

2015-04-16

this book focuses on supply chain management in emerging markets the authors present issues relating to supply chain development covering countries such as brazil china the czech republic russia indonesia malaysia nepal turkey egypt and south africa and focuses on the challenges faced when the supply chain is designed and maintained such challenges derive from issues to do with risk security quality management and infrastructure among others case studies and survey results are presented in chapters which explore practical solutions to these issues the latter will be of interest not only to local and international managers but also to students who are interested in emerging economies the book covers manufacturing retail and food chains at the local and international levels

Dynamic Supply Chains

2015-03-31

dynamic supply chains is a masterpiece in the field of supply chain management dr rakesh singh chairman institute of supply chain management india dynamic supply chains are at the heart of your business you

need to get them right are your supply chains equipped to compete for a faster more flexible future supply chains are not just part of your business in many ways they are your business they are made up of living active people and to really get supply chains right you need to capture the dynamism that people can bring to the flow of goods and services both inside and outside your business in this third edition of dynamic supply chains renowned international expert john gattorna gives you a practical and effective new model for supply chains that will help you get closer to your customers and suppliers and set your business on a new path to growth john s outside in philosophy is based on design thinking principles underpinned by business analytics visualization and the passion to get things done this is indeed supply chains by design

Strategic Supply Chain Design

2007

this book is aimed at an important and under served niche within the supply chain market strategic supply chain design almost all supply chain professionals need to know about this discipline no current book covers the theory and practice in a way that ensures readers will be successful with this discipline in the field strategic network design is about selecting the right number location and size of warehouses plants and production lines it is about determining the territories of your facilities what product should be made where and how product should flow through the supply chain it is about developing a good model of your supply chain so you can make good operational decisions network design is important because a good design helps a firm execute its strategy to do it right it requires analytics and optimization and when firms do it right they can reduce supply chain costs by 5 15 which can translate into tens of millions of dollars of savings for the firm the book brings together our experience in completing 100s of these projects our teaching of this material and our understanding of the science that drives these studies the book is ideal for

supply chain managers analysts and consultants who must do these studies for people who work for a company or organization with a supply chain and want to understand the design and strategy better and for professors who want to bring a practical and intellectually interesting material to the classroom our goal is to help you deeply understand this topic we covers the topics with realistic case studies discussions of practical consideration and a mix of the science this helps you understand the topic understand how it applies to you and build your intuition we hope you enjoy the book

Supply Chain Network Design

2012-09

sustainable operations and supply chain management
sustainable operations and supply chain management
sustainable operations and supply chain management
addresses the most relevant topics of operations and supply chain management from the perspective of sustainability the main focus is to provide a step by step guide for managerial decisions made along the product life cycle following a path made up of the following steps product design sourcing manufacturing packaging and physical distribution reverse logistics and recovery guidance is provided on understanding traditional operations and supply chain management approaches tools and techniques such as production planning stock management quality management and performance measurement which can be adapted to achieve economic environmental and social sustainability key features repositions the main operations and supply chain management decisions developed in the perspective of the life cycle analysis cradle to cradle approach and the triple bottom line approach economic environmental and social sustainability covers sustainability and future trends sustainable operations as a competitive factor as well as performance measurement and control explores five main areas of operations and supply chain management design for environment procurement manufacturing packaging and

distribution and reverse supply chain provides a case study within each chapter to further the reader's understanding along with numerous examples and real world problems the book will be valuable for students at undergraduate and graduate levels in management and engineering schools as well as for practitioners working in operations and supply chain management functions

Sustainable Operations and Supply Chain Management

2017-03-20

this book explains supply chain management scm using the strategy structure process performance sspp framework utilizing this well known framework of contingency theory in the areas of strategic management and organizational design scm is firmly positioned among management theories the author specifically proposes a theoretical foundation of scm that will be relevant to such areas as operations management logistics management purchasing management and marketing both the static and dynamic sides of scm are reported on the static side supply chain strategies are divided into three patterns efficiency oriented responsiveness oriented and the hybrid efficiency and responsiveness oriented pattern for each strategy suitable internal and external supply chain structures and processes are proposed on the dynamic side the big issue is to overcome performance trade offs based on theories of organizational change process change and dynamic capabilities the book presents a model of supply chain process change on structure the focus is on the role of an scm steering department illustrative cases are included from such diverse industries as automobiles toyota and nissan personal computers fujitsu office equipment ricoh air conditioning daikin tobacco japan tobacco chemicals and cosmetics kao and casual fashion fast retailing and inditex the strategy and organization of scm is systematically presented on the basis of the sspp framework in particular the relationships among three management elements strategy

structure and process can be identified in an scm context from many of the cases contained in this volume there emerges an understanding of how to analyze the success and failure factors of scm using the sssp framework in addition the reader sees not only the static side scm such as process operation but also its dynamic side such as process innovation and process improvement

Supply Chain Management

2019-07-26

like no other text on the subject supply chain management a global perspective provides a balanced and integrated perspective of both the foundational principles and pragmatic business oriented functions of scm highlighting the holistic and interconnected nature of scm this comprehensive volume addresses supply chain strategy design planning controlling management and more the text features numerous real world business examples that illustrate scm best practices while helping students understand the complexities of scm decision making now in its third edition this well respected text provides a global focus cross functional approach and strong pedagogy clear student friendly chapters contain discussion questions case studies and examples designed to develop managerial thinking explore key managerial issues and bring difficult concepts to life detailed yet accessible coverage of topics including operations management sourcing logistics forecasting demand planning and sustainable supply chain management offers a realistic practitioner s view of scm in the contemporary business landscape

Product Design and the Supply Chain

2010

mass customization a supply chain approach is a text on the emerging topic of mass customization in manufacturing the contributed chapters in this book provide a unified treatment to the topic by offering

coverage in four main categories concepts and current state of research problem solving frameworks models and methodologies supportive techniques and technologies for enabling mass customization and future research agenda the book blends theory and practice and includes prototypical applications to illustrate this complex yet emerging field of inquiry

Supply Chain Management

2020-11-24

streamlining supply chain efficiency to maximize profitability this practical guide describes how the supply chain operates and discusses the issues and techniques that are relevant for companies seeking to improve the management of their supply chains organized using the features of the essentials series this easy to use guide contains tips and techniques for maximizing supply chain innovation strategies as well as real world examples developed from working with companies such as johnson wax starbucks borg warner and premier health care supply chain expert michael hugos analyzes the components of a well designed and managed supply chain explains the metrics involved in measuring performance and presents a pragmatic approach to designing and building supply chain systems michael hugos chicago il is the chief information officer of network services company a 6 8 billion distribution organization serving customers throughout north america he has extensive experience in distribution logistics and applying technology to meet the challenges of supply chain management he holds an mba from northwestern university s kellogg school of management

Mass Customization

2004-07-20

a brand new collection of state of the art guides to more effective supply chain management 4 pioneering books now in a convenient e format at a great price 4 up to the minute books help you build and optimize

agile flexible efficient global supply chains in the face of any challenge as a supply chain or operations professional you face unprecedented challenges in delivering the agile resilient efficient supply chain your company needs this indispensable 4 book package gives you unprecedented resources best practices tools and case studies for managing each of these challenges global macro trends and their impact on supply chain management shows how to manage supply and demand in the face of massively disruptive emerging societal technological geopolitical and environmental macro trends you ll find a complete decision framework and practical tools insights and guidance for systematically mitigating new risks and building long term competitive advantage step by step you ll walk through assessing and responding to population growth migration urbanization socioeconomic change global connectivity environmental issues geopolitics growing scarcity transportation congestion aging infrastructure and more next supply chain network design helps you use strategic network design techniques to drive dramatic new savings throughout your supply chain the authors who are experts at ibm and northwestern university combine rigorous principles and practical applications helping you optimize the right number location territory and size of warehouses plants and production lines and optimize product flow through even the most complex global supply chains they help you manage tradeoffs such as cost vs service level improve operational decision making through analytics and re optimize regularly for even greater savings then demand and supply integration shows how to implement world class demand forecasting management and effectively integrate it into comprehensive demand and supply integration dsi processes you ll learn how to recognize failures of demand supply integration approach demand forecasting as a management process and choose and apply the best forecasting techniques you ll discover how to thoroughly reflect market intelligence in forecasts measure forecasting performance implement advanced demand forecasting systems manage demand reviews and more finally the supply chain management casebook brings together 30 up to date focused case studies illuminating every aspect of modern supply

chain management from procurement to warehousing strategy to risk management it to supplier selection and ethics contributors present key challenges in industries ranging from pharmaceuticals to fashion and preview issues ranging from the limits of lean to the potential of 3 d printing both qualitative and quantitative cases are included quantitative cases are supported by completed numerical solutions and where applicable associated spreadsheets from supply chain experts chad w autry thomas j goldsby john e bell michael watson sara lewis peter cacioppi jay jayaraman mark a moon and chuck munson

Essentials of Supply Chain Management

2003-02-25

winner of the 2016 coup de coeur prize at the plumes des achats supply chain paris focusing on the design of robust value creating supply chain networks scn and key strategic issues related to the number location capacity and mission of supply chain facilities plants distribution centers as well as the network structure required to provide flexibility and resilience in an uncertain world this book presents an innovative methodology for scn reengineering that can be used to significantly improve the bottom line of supply chain dependent businesses providing readers with the tools needed to analyze and model value creation activities designing value creating supply chain networks examines the risks faced by modern supply chains and shows how to develop plausible future scenarios to evaluate potential scn designs the design methods proposed are based on a visual representation formalism that facilitates the analysis and modeling of scn design problems book chapters incorporate several example problems and exercises which can be solved with excel tools analysis tools and solver or with commercial statistical and optimization software

The Definitive Guide to Modern Supply Chain Management (Collection)

2013-07-02

closed loop supply chains and their management have become mandatory for firms to stay competitive and profitable this book provides insights into designing supply chain networks by understanding and incorporating key return parameters into the network design which will affect profitability the book discusses how customer categories and their acceptance behavior are incorporated into the network design it also shows how to analyze the interaction of parameters on supply chain network design and profitability offers modeling framework for incorporating uncertainties in the return product parameters and shows how to design a robust network invaluable for managers in designing a sustainable robust and profitable supply chain network and ideal for managers practitioners and researchers in the area of supply chain network design and optimization

Designing Value-Creating Supply Chain Networks

2016-03-30

learn what it takes to develop and have a best in class supply chain this new edition shows you how to build supply chains that work by illustrating how leading companies are doing it identifying world class supply chains in more than a dozen different industries and explaining in detail how these companies got to where they are this essential book reveals the proven strategies solutions and performance metrics used by leading companies to design their extended enterprises identifies proven strategies solutions and performance metrics for supply chain management best practice benchmarks shows how to manage supply chains in a global marketplace and how to choose third party providers new edition includes new chapters on green

supply chains and lean supply chains and expanded analysis of emerging technologies includes coverage of supply chain metrics planning and forecasting procurement manufacturing transportation globalization customer service collaboration security and workforce management written by the editorial director of penton media s supply chain group and a contributing editor to industryweek magazine it also offers guidance on the latest technology green supply chains going lean how to choose third party logistics providers and how to manage the supply chain in a global environment

Design and Analysis of Closed-Loop Supply Chain Networks

2021-04-29

introduction and basic building blocks adding costs to two echelon supply chains advanced modeling and expanding to multiple echelons how to get industrial streng results case study wrap up

Supply Chain Management Best Practices

2010-03-26

introduction and basic building blocks adding costs to two echelon supply chains advanced modeling and expanding to multiple echelons how to get industrial streng results case study wrap up

Supply Chain Network Design

2012

this book is dedicated to the issues and complexities of industrial services supply chain management it analyzes how the transition from products to services can be managed and how supply chains can be adjusted to reflect this new status quo the book begins with

chapters examining product service systems structures and servitization the services infusion process next it presents industrial services as marketing and operations strategy the focus shifts to service delivery and this chapter discusses how the actual operations take place this is followed by an examination of the role of technology and how connected assets are utilized by product vendors in value creation the book analyzes the transition from ownership to subscriptions in the pricing decisions chapter then the value chain effects chapter offers an overview of the mechanisms through which industrial companies are shortening the distance to end users and aim for a better position in the value chain finally the conclusion addresses theoretical and empirical implications in the industrial services supply chain management

Supply Chain Network Design

2013

supply chain management illustrates the key drivers of good supply chain management in order to help students understand what creates a competitive advantage it also provides strong coverage of analytic skills so that students can gauge the effectiveness of the techniques described

Designing and Managing Industrial Product-Service Systems

2016-08-27

written test from the year 2019 in the subject engineering industrial engineering and management grade 2 0 jönköping international business school school of engineering course supply chain design language english abstract a seminar work regarding the course supply chain design four questions are answered which tackle the issue around fashion retail retail relocation supply chain design and supply chain improvement the

author answers tricky questions regarding the mentioned domains with a scientific and valid approach

Supply Chain Management

2010

from political uncertainty to trade disrupts and cyber threats the risk environment is continuously evolving and new challenges frequently arise demanding immediate attention to avoid disruption to supply chains supply chain risk management is the guide to recognizing reviewing and reacting to these risks to ensure continued operations and optimal service this book is a practical learning tool which offers a comprehensive framework to understanding risk and how to engineer resilience into the supply chain the third edition of supply chain risk management details how to approach various threats including black swan events natural disasters climate change cargo crime and piracy and terrorism and security using case studies and recent topical examples this book demonstrates how to successfully manage these risks and apply learnings in practice objectives summaries and key point checklists in each chapter also help the reader grasp these key concepts and understand how to keep supply chains resilient online resources include lecture slides and example test questions

Supply Chain Design Seminar Work. Retailers, Relocation, Sustainability

2020-06-22

supply chain management decisions are made under the conflicting criteria of maximizing profit and customer responsiveness while minimizing supply chain risk multiple criteria decision making in supply chain management provides a comprehensive overview of multi criteria optimization models and methods that can be used in supply chain decision making presenting the contributions of internationally known authors

researchers educators and practitioners this new book in the operations research series provides readers with a single source guide to recent developments in this area the focus of the book is on the design and operation of the supply chain system which involves connecting many production and distribution systems often across wide geographic distances in such a way that the businesses involved can ultimately satisfy the consumer demand as efficiently as possible resulting in maximum financial returns to those businesses connected to that supply chain system the book includes several case studies on the design and operation of supply chain networks in manufacturing and healthcare

Supply Chain Risk Management

2020-11-03

computational intelligence ci is a term corresponding to a new generation of algorithmic methodologies in artificial intelligence which combines elements of learning adaptation evolution and approximate fuzzy reasoning to create programs that can be considered intelligent supply chain optimization design and management advances and intelligent methods presents computational intelligence methods for addressing supply chain issues emphasis is given to techniques that provide effective solutions to complex supply chain problems and exhibit superior performance to other methods of operations research

Multiple Criteria Decision Making in Supply Chain Management

2017-07-12

high tech and high touch logistics solutions for supply chain challenges in today s fast paced and customer oriented business environment superior supply chain performance is a prerequisite to getting and staying competitive supply chain strategy is based on world class logistics practices in place in successful supply

chain organizations the latest academic breakthroughs in logistics system design and the logic of logistics it presents the proven pillars of success in logistics and supply chain management part of mcgraw hill s logistics management library supply chain strategy is organized according to author dr ed frazelle s breakthrough logistics master planning methodology the methodology leads to metrics process designs system designs and organizational strategies for total supply chain management total logistics management customer response inventory planning and management supply transportation and warehousing concise yet complete dr frazelle s book shows how to develop a comprehensive logistics and supply chain strategy one that will both complement and support a company s strategic objectives and long term success logisticsthe flow of material information and money between consumers and suppliershas become a key boardroom topic it is the subject of cover features in business publications from wall street journal to businessweek annual global logistics expenditures exceed 3 5 trillion nearly 20 percent of the world s gdp making logistics perhaps the last frontier for major corporations to significantly increase shareholder and customer value and at the heart of every effort to improve organizational logistics performance supply chain efficiency supply chain strategy is today s most comprehensive resource for up to the minute thinking and practices on developing supply chain strategies that support a company s overall objectives covering world class practices and systems taken from the files of coca cola wal mart general electric and other companies it covers essential supply chain subjects including logistics data miningfor identifying the root cause of material and information flow problems pinpointing opportunities for process improvements and providing an objective basis for project team decision making inventory planning and managementpresenting metrics processes and systems for forecasting demand planning and inventory control yielding lower inventory levels and improved customer service logistics information systems and based logisticshelping to substitute information for inventory and work content transportation and distributionfor connecting sourcing locations with

customers at the lowest cost by among other things leveraging private and third party transportation systems logistics organization development including the seven disciplines that link enterprises across the supply chain as well as logistics activities within those enterprises supply chain strategy explains and demonstrates how decision makers can use today s technology to enhance key logistics systems at every point in the supply chain from the time an idea or product is conceived through its delivery to the final user it describes the major steps in developing an effective workable logistics management programone that will reduce operating expenses minimize capital investment and improve overall customer service and satisfaction

Supply Chain Optimization, Design, and Management: Advances and Intelligent Methods

2010-12-31

this book discusses the models and tools available for solving configuration problems emphasizes the value of model integration to obtain comprehensive and robust configuration decisions proposes solutions for supply chain configuration in the presence of stochastic and dynamic factors and illustrates application of the techniques discussed in applied studies it is divided into four parts which are devoted to defining the supply chain configuration problem and identifying key issues describing solutions to various problems identified proposing technologies for enabling supply chain confirmations and discussing applied supply chain configuration problems its distinguishing features are an explicit focus on the configuration problem an in depth coverage of configuration models an emphasis on model integration and application of information modeling techniques in decision making new to this edition is part ii technologies which introduces readers to various technologies being utilized for supply chain configuration and contains two new

chapters the volume also has an added emphasis on the most recent theoretical developments and empirical findings in the area of supply chain management and related topics this book is appropriate for professional and technical readers including research directors research associates and institutions involved in both the design and implementation of logistics systems in manufacturing and service related products an equally appropriate audience is the academic reader including professors research associates and students in industrial manufacturing mechanical and automotive engineering departments as well as engineering management management sciences and production and operations management

Supply Chain Strategy

2001-10-16

designed by practitioners for practitioners supply chain management and logistics innovative strategies and practical solutions provides a wide spectrum resource on many different aspects involved in supply chain management including contemporary applications with contributions from leading experts from all over the world the book includes innovative strategies and practical solutions that address problems encountered by enterprise in management of supply chain and logistics it details general techniques and specific approaches to a broad range of important inspiring and unanswered questions in the field the book is organized around four major research themes in supply chain management 1 supply chain strategy and coordination 2 supply chain network optimization 3 inventory management in supply chain and 4 financial decisions in supply chain the sequence of these themes helps transition from an enterprise wide framework to network design to operational management to financial aspects of the supply chain each individual theme also addresses the answer to a challenging question as to how to go about applying quantitative tools to real life operations resulting in practical solutions as the world moves toward more competitive and open markets

effective supply chain management is of critical importance to the success or failure of an enterprise despite a large amount of research achieved in the past decades on the supply chain management topic many researchers and practitioners are still devoting considerable efforts on the emerging new problems designed to give you a collection of topics that bridge the gap between the academic arena and industrial practice the book supplies a contemporary and up to date review on the advanced theory applications and practices of supply chain management making it a rich resource for the design analysis and implementation of supply chain management problems arising in a wide range of industries

Supply Chain Configuration

2016-03-18

this book presents the latest developments in optimization and optimal control models exact approximate and hybrid methods and their applications in lean and green supply chains it examines supply chain network design and modeling closed loop supply chains and lean green resilient and agile or responsive networks and also discusses corporate social responsibility and occupational health and safety it particularly focuses on supply chain management under uncertainty employing stochastic or nonlinear modeling simulation based studies and optimization multi criteria decision making and applications of fuzzy set theory and covers various aspects of supply chain management such as risk management supplier selection or the design of automated warehouses lastly using experimental applications and practical case studies it shows the impact of lean and green applications on vehicle fleet management and operations management

Supply Chain Management and Logistics

2018-10-08

enterprise supplychain management integrating best in

class processes is supply chain management all about forecasting or is it just a warehousing and transportation function demystifying the mystery supply chain management is for many enterprise supply chain management integrating best in class processes offers a comprehensive look at the role of this field within your own organization written by industry leader vivek sehgal this book invites you to evaluate your current supply chain practices and leverage its best in class concepts to your own challenges drawing from the author s abundant research and analysis this resourceful book shows how to manage a supply chain across an enterprise encompassing technological financial procurement and operational issues you will find in this book a thoroughly functional view of supply chain so you can readily understand the meaning of processes and where they fit into your company s big picture this essential book covers a primer on supply chain and finance elements of a supply chain model the scope of the supply chain demand and supply planning supply chain network design transportation and warehouse management supply chain collaboration reverse logistics management supply chain technology whether you are a business manager an it manager or a supply chain student if you are looking for more of a comprehensive understanding of what each of the supply chain processes in your organization brings to the table and how each functions as part of the whole enterprise supply chain management integrating best in class processes is for you immensely functional on all aspects of supply chain management this guide clearly explains how each process works and the relationships among them allowing you to start implementing best in class approaches in your organization

Lean and Green Supply Chain Management

2018-11-11

this book is devoted to analysis and design of supply chain contracts with stochastic demand given the extensive utilization of contracts in supply chains the

issues concerning contract analysis and design are extremely important for supply chain management scm and substantial research has been developed to address those issues over the past years despite the abundance of classical research new research needs to be conducted in response to new issues emerging with the recent changing business environments such as the fast shortening life cycle of product and the increasing globalization of supply chains this book addresses these issues with the intention to present new research on how to apply contracts to improve scm contract analysis and design for supply chains with stochastic demand contains eight chapters and each chapter is summarized as follows chapter 1 provides a comprehensive review of the classical development of supply chain contracts chapter 2 examines the effects of demand uncertainty on the applicability of buyback contracts chapter 3 conducts a mean risk analysis for wholesale price contracts taking into account contracting value risk and risk preferences chapter 4 studies the optimization of product service system by franchise fee contracts in the service oriented manufacturing supply chain with demand information asymmetry chapter 5 develops a bidirectional option contract model and explores the optimal contracting decisions and supply chain coordination issue with the bidirectional option chapter 6 addresses supply chain options pricing issue and a value based pricing scheme is developed for the supply chain options with a cooperative game theory approach chapter 7 explores the issues concerning supply chain contract selection implementation with the option contract under consideration chapter 8 concludes the book and suggests worthy directions for future research

Enterprise Supply Chain Management

2009-06-22

**Interorganizational coordination in
container transport**

1999

**Contract Analysis and Design for
Supply Chains with Stochastic Demand**

2015-09-12

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