

Revolutionizing Product Development: Quantum Leaps In Speed, Efficiency And Quality

Technology-based firms continue to compete primarily on innovation, and one continuously required to present new solutions to an exacting market. As technological complexity and specialization intensifies, firms increasingly need to integrate and co-ordinate knowledge by means of project groups, diversified organizations, inter-organizational partnerships, and strategic alliances. Innovation processes have progressively become interdisciplinary, collaborative, inter-organizational, and international, and a firm's ability to synthesize knowledge across disciplines, organizations, and geographical locations has a major influence on its viability and success. This book demonstrates how knowledge integration is crucial in facilitating innovation within modern firms. This book provides original, detailed empirical studies of prerequisites, mechanisms, and outcomes of knowledge integration processes on several organizational levels, from key individuals, projects, and internal organizations, to collaboration between firms. It stresses the need to understand knowledge integration as a multi-level phenomenon, which requires a broad repertoire of organizational and technical means. It further clarifies the need for strong internal capabilities for exploiting external knowledge, reveals how costs of knowledge integration affect outcomes and strategic decisions, and discusses the managerial implications of fostering knowledge integration, providing practical guidance and support for managers of knowledge integration in high technology enterprises.

Written by world class authorities, this volume discusses formulation, sensory, and consumer testing, package design, commercial production, and product launch and marketing. Offering the same caliber of information that made the widely adopted first edition so popular, the second edition introduces new concepts in staffing, identifying and measuring consumer desires, engineering scale-up from the kitchen, lab, or pilot plant; and generating product concepts. Applying insights from real life experience, contributors probe the retail environment, covering optimization, sensory analysis, package design, and the increasingly important role of the research chef or culinologist in providing the basic recipe. Concise yet comprehensive, *Product Planning Essentials* addresses the complex, interdisciplinary nature of product development and product management. It covers strategic issues that emerge during the product life cycle, including identifying opportunities, idea generation and evaluation, technical development, commercialization, and eventual product dismissal. Special topics include public policy, international issues, and intellectual property. An interesting summary of product development best practices from several companies appears at the end of the book. Instructors, students and practitioners will appreciate the balanced managerial and how-to orientation.

Today, a company's capacity to conceive and design quality prototypes and bring a variety of superior products to market quicker than its competitors is increasingly the focal point of competition, contend leading product development experts Steven Wheelwright and Kim Clark. Drawing on six years of in-depth, systematic, worldwide research, they present proven strategies for developing the critical capabilities for speed, efficiency, and quality that have worked again and again in scores of successful Japanese, American, and European fast-cycle firms. The authors argue that to survive, let alone succeed, today's companies must construct a new "platform" -- with new methodologies -- on which they can compete. Using their model development strategies, Wheelwright and Clark show that firms can create a solid architecture for the integration of marketing, manufacturing, and design functions for problem solving and fast action -- particularly during the critical design-build-test cycles of prototype creation. They demonstrate further how successful firms such as Honda in automobiles, Compaq in personal computers, Applied Materials in semi-conductors, Sony in audio equipment, The Limited in apparel, and Hill-Rom in hospital beds have employed recent methodologies to bring new products to market at break-neck speed. Such innovations include design for manufacturability, quality function deployment, computer-aided design, and computer-aided engineering. Finally, Wheelwright and Clark emphasize the importance of learning in the organization. Companies that consistently "design it right the first time" and follow a path of continuous improvement in product and process development have a formidable edge in the crucial race to market.

A Holistic and Practical Approach to Uncertainty Reduction

Transdisciplinary Lifecycle Analysis of Systems

Converting Intangible Assets Into Tangible Outcomes

Strategy Maps

Design Theory

Data Mining

Innovation Capacity and Entrepreneurial Firm Performance in High-Tech SMEs

In the first decade of the 21st century product development in networks was predicted to be of ever-increasing importance to businesses of all sizes because of changes in markets, in technology, in networks, and in the competences of Businesses. The growth in new products' share of businesses' total turnover and earnings were increasing at an unprecedented speed. The entrepreneurial innovations and technological improvements had resulted in the increasingly fast development of new products and services. Businesses and industries in different countries became increasingly more linked and interdependent in networks with respect to materials, business operations and particularly product development to match the wants and needs of the global market environment to high speed product development. Businesses were therefore encountering increasingly dynamic market fragmentation, shrinking time in market, increasing product variety, demands of production to customer specifications, reduced product lifetimes, and globalization of production. Networks were vital because the competition is not business against business, but network against network. Networks are vital because an increasing part of product development was carried out in all types of networks containing physical, ICT, dynamic, and virtual networks. Speed and pressure on time in product development seemed to continue to increase because customer demands for new products seemed to continue to increase. However, a Business seldom possessed all needed competences, and managers saw product development based on networks as an important solution to meet the strong competition of the future global market. The strong demand for innovation and innovativeness. The evolution of market demands and focus (required) on competencies of businesses could be characterized as a development from a focus on efficiency, to a focus on quality and flexibility, to a focus on speed and innovativeness. This was why it was interesting and important to research and discuss product development and especially to understand high speed product development of individualized products in fragile market segments. Consequently, findings and learning on aspects like enablers, management tools, technological tools, product development models, product development processes and network tools to speed new product development are presented in this book.

Managing Innovation is the bestselling text for graduate and undergraduate students and a classic in the field. Emphasizing practical, evidence based tools and resources, this title provides students with the knowledge base to successfully manage innovation, technology, and new product development. The holistic approach addresses the interplay between the markets, technology, and the organization, while relating the unique skill set required to manage innovation and innovation processes. The sixth edition of Managing Innovation continues to include the popular Innovation in Action sections in each chapter which are now newly titled Case Studies, and also features a number of new cases, updated and new research notes and references, and links to videos, audio interviews, activities, and case studies. The sixth edition also features new material on emerging innovation themes, including business model innovation, user innovation, crowd-sourcing, creativity, entrepreneurship, service innovation, public services, and more. The rapid pace of the field's evolution has brought an increase in multi-disciplinary approaches and skills, while expanding the available tool kit and pushing the boundaries of possibility forward. This text provides expert navigation through the abundance of new data, new methods, new concepts, and approaches but it is designed to encourage and support tailored experimentation, not replace it. Equipped with a strong foundation and a productive innovation management mindset, todays students will be equipped to bring about the eras next great advances.

The authors of "The Balanced Scorecard" and "The Strategy-Focused Organization" present a blueprint any organization can follow to align processes, people, and information technology for superior performance.

In todays industries, New Product Development (NPD) is often the focal point of competition. Companies that are able effectively to develop, produce and introduce new products are the key competitors in markets where variety and time-to-market play an increasingly important role. This examination into the organisation of Integrated Product Development aims to answer the question: Which integration mechanisms lead to effective co-ordination and overlap of New Product Development activities in which situations? The mechanisms, strat egies and goals, knowledge and skills, and organisational arrangements are presented, and their impact on the results of NPD projects and relationships is discussed. An in-depth understanding of the background and theory is provided, using detailed case s tudies to illustrate both the human and organisational issues in practice.

Revolutionizing Product Development

Methods, Tools, and Technologies

Network Based High Speed Product Development

Product Platform and Product Family Design

Methods and Applications

Knowledge Integration and Innovation

Proceedings of ICORD 2017

Managing new product development is a key area of management, straddling strategy, innovation and entrepreneurship and macro-organizational behaviour. All of the contributors in the Handbook of New Product Development are well-known and leading exponents to theory of New Product Development and to methods used in practice. They draw upon their experience and work to offer a comprehensive view of the challenges in managing the development of new products. Existing knowledge in the different topics is examined and the key management challenges, and the important gaps in our knowledge are discussed. Most of the chapters draw upon systematic interaction with companies and practice and this is presented in the examples and the case studies cited. The Handbook of New Product Development and Management surveys this area in the context of an overall framework that explains how aspects interact and combine in a successful NPD process. Each chapter outlines open questions and highlights needs for future research. "A comprehensive view of the challenges in managing the development of new products from well-known and leading contributors in the field " The first handbook to fill the gap for a high-level handbook which is valuable to both the academic/practitioner

Prof. Jürgens is renowned for his scientific work in such fields as human resources, work organization and organization of production and development, especially for automotive industries. In this publication, authors from different countries discuss models of integration in development and production as realized in practice. Of interest to those practitioners who need to develop benchmarks for their own development and production.

This title uses a holistic approach to examine the diverse issues that managers face to channel resources in the right direction for commercial success. It details the commercialization of innovation and new products in fast-paced, high-tech markets and how to match technological advances to new market opportunities.

Marketplace complexity and dynamics create an environment that increases the uncertainty of innovation activities. In this context systematic management of innovation and product management are increasingly important for company success. This book presents the fundamentals of innovation and product management and introduces the reader to a holistic process model with particular focus on innovation and uncertainty. This integrated consideration of innovation management and product innovation within an interdisciplinary approach represents a unique characteristic of this book. The book is designed to address the needs of managers who want a practical but well-researched guide to innovation and product management. Graduate and advanced undergraduate students would also find the chapters in this book particularly useful.

Profit from Time

The Organisation of Integrated Product Development

Speed up business improvement by implementing Time Compression

Artificial Intelligence and Integrated Intelligent Information Systems

IFIP WG5.7 International Conference on Advances in Production Management Systems September 6/10, 1999, Berlin, Germany

Emerging Technologies and Applications

Process and Information Issues

The design and manufacture of reliable products is a major challenge for engineers and managers. This book arms technical managers and engineers with the tools to compete effectively through the design and production of reliable technology products.

This set compiles more than 240 chapters from the world's leading experts to provide a foundational body of research to drive further evolution and innovation of these next-generation technologies and their applications, of which scientific, technological, and commercial communities have only begun to scratch the surface.

This book discusses how product platform and product family design can be used successfully to increase variety within a product line, shorten manufacturing lead times, and reduce overall costs within a product line. The material serves as a reference and a hands-on guide for practitioners involved in the design, planning and production of products. Real-world examples and the benefits of platform product development are included.

This book showcases cutting-edge research papers from the 6th International Conference on Research into Design (ICORD 2017) - the largest in India in this area - written by eminent researchers from across the world on design process, technologies, methods and tools, and their impact on innovation, for supporting design for communities.

While design traditionally focused on the development of products for the individual, the emerging consensus on working towards a more sustainable world demands greater attention to designing for and with communities, so as to promote their sustenance and harmony - within each community and across communities. The special features of the book are the insights into the product and system innovation process, and the host of methods and tools from all major areas of design research for the enhancement of the innovation process. The main benefit of the book for researchers in various areas of design and innovation are access to the latest quality research in this area, with the largest collection of research from India. For practitioners and educators, it is exposure to an empirically validated suite of theories, models, methods and tools that can be taught and practiced for design-led innovation. The contents of this volume will be of use to researchers and professionals working in the areas on industrial design, manufacturing, consumer goods, and industrial management.

ExPD an Adaptive Product Development Process for Rapid Innovation and Risk Reduction

Mastering the Dynamics of Engineering Projects

Global Production Management

Developing New Food Products for a Changing Marketplace

Methods and Organization for Innovation

Managing Innovation: What Do We Know About Innovation Success Factors?

From a leading business scholar comes this analysis of strategies and practices for sparking innovation within several of the world's major companies. Willard Zangwill's study of the innovation he addresses world-class practices of leading companies like General Electric, 3M, Canon, and others, providing a multi-step strategy for cultivating new products and development. Zangwill also explains the philosophy behind concurrent engineering, rapid learning cycles, target pricings, and more—in order to influence and promote the innovative process.

Resourceful companies today must successfully manage the entire supply flow, from the sources of the firm, through the value-added processes of the firm, and on to the customers of the firm. The fourteenth Global Edition of Operations and Supply Chain Management provides well-balanced coverage of managing people and applying sophisticated technology to operations and supply chain management.

This textbook presents the core of recent advances in design theory and its implications for design methods and design organization. Providing a unified perspective on different design methods and approaches, from the most classic (systematic design) to the most advanced (-K theory), it offers a unique and integrated presentation of traditional and contemporary theories in the field. Examining the principles of each theory, this guide utilizes numerous real life industrial applications, with clear links to engineering design, industrial design, management, economics, psychology and creativity. Containing a section of exams with detailed answers, it is useful for courses in design theory, engineering design and advanced innovation management. "Students and professors, practitioners and researchers in diverse disciplines, interested in design, will find in this book a rich and vital source for studying fundamental design methods and tools as well as the most advanced design theories that work in practice". Professor Yoram Reich, Tel Aviv University, Editor-in-Chief, Research In Engineering Design. "Twenty years of research in design theory and engineering have shown that training in creative design is indeed possible and offers remarkably operational methods - this book is indispensable for all leaders and practitioners who wish to strengthen their innovation capacity of their company." Pascal Daloz, Executive Vice President, Dassault Systèmes

Product Development Strategy provides a concise theoretical and analytical discussion relating to the theory and practice of strategy, innovation capacity, and entrepreneurial performance. The book discusses an innovative perspective which provides a practical insight into the field of product development strategy.

Innovation and Product Management

Leading Change through Integrated Product Development

Critical Challenges Facing International Technology-Based Firms

Managing Innovation

EBOOK: Product Design and Development

Strategies and Implementation

Intelligent Information Technologies: Concepts, Methodologies, Tools, and Applications

Product Design and Manufacturing Methodologies: Applications in a wide spectrum of collaborative engineering issues in design and manufacturing. It offers state-of-the-art chapters written by international experts from academia and industry, and reflects the most up-to-date R & D work and applications, especially those from the last three to five years. The book will serve as an essential reference for academics, upper-level undergraduate and graduate students and practicing professionals.

When a disruptive innovation is launched, it changes the entire industry and every firm operating within it This book argues that it is possible to predict which companies will win and which will lose in a specific situation—and provides a practical framework for doing so. Most books on innovation—including Christensen's previous two books—approached innovation from the inside-out, showing firms how they can create innovations inside their own companies. This book is written from an "outside-in" perspective, showing how executives, investors, and analysts can assess the impact of a new innovation on the firms they have a vested interest in.

Researchers in the evolving fields of artificial intelligence and information systems are constantly presented with new challenges. Artificial Intelligence and Integrated Intelligent Information Systems: Emerging Technologies and Applications provides both researchers and professionals with the latest knowledge applied to customized logic systems, agent-based approaches to modeling, and human-based models. Artificial Intelligence and Integrated Intelligent Information Systems: Emerging Technologies and Applications presents the recent advances in multi-mobile agent systems, the product development process, fuzzy logic systems, neural networks, and ambient intelligent environments among many other innovations in this exciting field.

Data Mining in Design: how to use existing data mining methods to obtain effective solutions for a variety of management and engineering design problems. Data Mining is organised into two parts: the first provides a focused introduction to data mining and the second goes into greater depth on subjects such as customer analysis. It covers almost all managerial activities of a company, including: - supply chain design, - product development, - manufacturing system design, - product quality control, and - preservation of privacy. Incorporating recent developments of data mining that have made it possible to deal with management and engineering design problems with greater efficiency and efficacy, Data Mining presents a number of state-of-the-art topics. It will be an informative source of information for researchers, but will also be a useful reference work for industrial and managerial practitioners.

Ett sammandrag av boken: Revolutionizing product development - quantum leaps in speed, efficiency, and quality

Using the Theories of Innovation to Predict Industry Change

Quantum Leaps In Speed, Efficiency, and Quality

Learn & Adapt

Product-Service Integration for Sustainable Solutions

Proceedings of the 22nd ISPE Inc. International Conference on Concurrent Engineering, July 20-23, 2015

Product Development Strategy

Concepts are critical for the development and marketing of products and services. They constitute the blueprint for these products and services, albeit at the level of consumers rather than at the technical level. A good product concept can help make the product a success by guiding developers and advertising in the right direction. Yet, there is a dearth of both practical and scientific information about how to create and evaluate concepts. There has been little or no focus on establishing knowledge bases for concepts. Concept development is too often relegated to the so-called "fuzzy front end." Concept Research in Food Product Design and Development remedies this inattention to product concepts by providing a unique treatment of concepts for the business professional as well as for research scientists.

The book begins with simple principles of concepts, moves forward to methods for testing concepts, and then on to more substantive areas such as establishing validity, testing internationally and with children, creating databases, and selling in new methods for concept testing. The book combines a "how to" business book with a detailed treatment of the different facets of concept research. As such, the book represents a unique contribution to business applications in food, and consumer research methods. The book is positioned specifically for foods, to maintain a focus on a coherent set of topics. Concept Research in Food Product Design and Development appeals to a wide variety of audiences: R&D, marketing, sensory analysts, and universities alike. Corporate R&D professionals will learn how to create strong concepts. Marketers will recognize how concepts are at the heart of their business. Sensory analysts will find the book a natural extension of their interest in product features. University students will understand how concept research is a critical part of the consumer connection. " Concept Research in Food Product Design and Development is the definitive, innovative text in describing how to create, analyze, and capitalize upon new product concepts.

Increasing pressures to produce new products faster and cheaper are resulting in huge efforts to streamline and restructure the traditional new product development (NPD) process. The purpose of the book is to describe, assess and apply the latest constructs, methods, techniques and processes to enable managers, professionals, and practitioners to be more effective in designing, developing and commercializing new products and services. It provides guidance and support in formulating and executing NPD programs for business practitioners and MBA students. The book is written from an Integrated Product Development (IPD) perspective, linking all aspects of marketing, costing and manufacturing into the development process even before the first prototype is built. It covers the advanced tools necessary to achieve this such as virtual prototyping and fully integrated business systems, and explains the changes needed to organisational structure and thinking.

Managing Innovation is a three-part series covering contemporary technology and innovation management research areas. Each volume comprises key articles from both the International Journal of Innovation Management and the International Journal of Innovation and Technology Management, published by World Scientific, and provides an international, disciplinary approach across its broad coverage of topics.Relevant for both academics and practitioners, this volume answers how organisations can develop innovative approaches from a perspective that encompasses technological advances, changes in the market and individual entrepreneurs.

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Light Strategies For Innovation

New Product Development and Production Networks

Product-Focused Software Process Improvement

Product Planning Essentials

Product Innovation

Complexity in New Product Development

Handbook of New Product Development Management

In this user guide, we present Exploratory Product Development (ExPD), a strategy-to-launch product development approach that is adaptable and can respond nimbly to environments that are increasingly complex and uncertain. Using the ExPD approach, you can discover how to accelerate your product development process by removing bureaucracy and rework, learning through experimentation, and shifting your focus to the most critical product priorities. We examine the constraints imposed by a traditional phased-and-gated product development process and demonstrate the transformational role of the ExPD approach in adapting to individual product needs. This user guide is for product developers in established enterprises looking to install a new or improved product development process. Product developers in start-ups will also benefit from many of the ideas, tools, and techniques covered in this guide. We provide case studies and examples that transition these concepts from theory into practice. Implementing the ExPD approach will result in a product development function that is stronger, more focused, and more resilient to change. You will better understand the role strategy and business models play in product development and how to build a productive idea pipeline. Also, you will gain a new appreciation for the need to identify, assess and resolve uncertainty and risk before investing in a product, giving you greater confidence in your ability to win savings in resources and time to market and ultimately achieve greater product success.

The search for speed has become the latest initiative in the pursuit of competitive advantage. This book equips the practising manager with the tools and techniques needed to utilise the philosophy of Time Compression. The authors explain how Time Compression can accelerate strategic change. They apply the principles of Time Compression to production and manufacturing systems as well as the human aspects of a business to gain competitive advantage. With detailed examples from companies that have used Time Compression, such as the Rover Group, Coats Viyella, British Airways, Lucas Industries, Short Brothers, British Steel and Massey Ferguson, the authors contend that Time Compression can be used to gain strategic advantages in virtually all businesses.

This book constitutes the refereed proceedings of the 7th International Conference on Product-Focused Software Process Improvement, PROFES 2006, held in Amsterdam, June 2006. The volume presents 26 revised full papers and 12 revised short papers together with 6 reports on workshops and tutorials. The papers constitute a balanced mix of academic and industrial aspects, organized in topical sections on decision support, embedded software and system development, measurement, process improvement, and more.

"An Industrial Product-Service System is characterized by the integrated and mutually determined planning, development, provision and use of product and service shares including its immanent software components in Business-to-Business applications and represents a knowledge-intensive socio-technical system." - Meier, Roy, Seliger (2010) Since the first conference in 2009, the CIRP International Conference on Industrial Product-Service Systems has become a well-established international forum for the review and discussion of advances, research results and industrial improvements. Researchers from all over the world have met at previous IPS2 conferences in Cranfield (2009), Linköping (2010), Braunschweig (2011) and Tokyo (2012). In 2013, the 5th CIRP International Conference on Industrial Product-Service Systems is held in Bochum. Important topics of IPS2 research presented at the conference are: planning and development, sustainability, business models, operation, service engineering, knowledge management, ICT, modeling and simulation, marketing and economic aspects as well as the role of the human in IPS2.

Global Industrial Experience

Innovation, Product Development and Commercialization

Managing Innovation: Internationalization Of Innovation

Balanced Scorecard Success: The Kaplan-Norton Collection (4 Books)

Concept Research in Food Product Design and Development

Concepts, Methodologies, Tools, and Applications

Concepts, Methods and Applications in Management and Engineering Design

Efficient design management solutions for today's new challenges Design Management: Process and Information Issues is a collection of papers presented at the 13th International Conference on Engineering Design in Glasgow, Scotland. One of four volumes, this book highlights the newest developments in design management and the solutions that facilitate innovation. Focused on common challenges within the design process, these papers provide insight gleaned from current and ongoing work to help design and engineering teams meet the increasing demands of the modern product development environment.

The phenomenal success of integrated product and process development (IPPD) at such companies as Boeing, Motorola, and Hewlett-Packard has led many manufacturers to place renewed emphasis on this critical aspect of concurrent engineering. If you are among those charged with the daunting task of implementing, upgrading, or maintaining IPPD, you need a single reference/handbook that covers all of the tools, technologies, and applications that support IPPD. You need Integrated Product and Process Development. Emphasizing applications, this extremely user-friendly guide covers everything from basic principles to cutting-edge research. It addresses ideas and methods in product design as well as issues related to process design and manufacturing. Case studies illustrate the application of various tools and techniques of IPPD in manufacturing for the defense industry, making the most of product planning, applications of quality function deployment (QFD), the effective use of design optimization, and integrating design and process planning. Other topics covered include:

Identifying customer needs using QFD. Issues and constraints in time-driven product development. Enhancing automated design systems with functional design. Rapid prototyping. Case-based process planning systems

Treating such contemporary design and development issues as identifying customer needs, design for manufacturing, prototyping, and industrial design, Product Design and Development by Ulrich and Eppinger presents in a clear and detailed way a set of product development techniques aimed at bringing together the marketing, design, and manufacturing functions of the enterprise. The integrative methods in the book facilitate problem solving and decision making among people with different disciplinary perspectives, reflecting the current industry toward designing and developing products in cross-functional teams.

Concurrent Engineering (CE) is based on the premise that different phases of a product's lifecycle should be conducted concurrently and initiated as early as possible within the Product Creation Process (PCP). It has become the substantive basic methodology in many industries, including automotive, aerospace, machinery, shipbuilding, consumer goods, process industry and environmental engineering. CE aims to increase the efficiency of the PCP and reduce errors in later phases while incorporating considerations for full lifecycle and through-life operations. This book presents the proceedings of the 22nd ISPE Inc. (International Society for Productivity Enhancement) International Conference on Concurrent Engineering (CE2015) entitled 'Transdisciplinary Lifecycle Analysis of Systems', and held in Delft, the Netherlands, in July 2015. It is the second in the series 'Advances in Transdisciplinary Engineering'. The book includes 63 peer reviewed papers and 2 keynote speeches arranged in 10 sections: keynote addresses; systems engineering; customization and variability management; production oriented design, maintenance and repair; design methods and knowledge-based engineering; multidisciplinary product management; sustainable product development; service oriented design; product lifecycle management; and trends in CE. Containing papers ranging from the theoretical and conceptual to the highly pragmatic, this book will be of interest to all engineering professionals and practitioners: researchers, designers and educators.

Case Studies and Key Practices For Market Leadership

Proceedings of the 5th CIRP International Conference on Industrial Product-Service Systems, Bochum, Germany, March 14th - 15th, 2013

The 5th International Conference on Engineering Design, PROFES 2006, Amsterdam, The Netherlands, June 12-14, 2006, Proceedings

Integrated Product and Process Development

Design Management

EBOOK: Operations and Supply Chain Management, Global edition

Research Into Design for Communities, Volume 2

Jürgen Mihm builds a mathematical model of a complex distributed design project demonstrating how complexity inevitably arises from the interaction of simple components. He characterizes the dynamic behavior of the system analytically and with the aid of simulations, and he derives classes of managerial actions to improve performance dynamics. Containing case studies and research findings, this book deals with methods and tools suitable for designing, managing, and controlling processes within the supply chain. The authors are leading experts within the international community in the field of production management.

This collection highlights the most important ideas and concepts from Robert S. Kaplan and David P. Norton, authors of The Balanced Scorecard, a revolutionary performance measurement system that allows organizations to quantify intangible assets such as people, information, and customer relationships. Also included are Strategy Maps, which enables companies creation with a clarity and precision never before possible: The Execution Premium, which describes a multistage system to help companies to gain measurable benefits from carefully formulated business strategy; and The Strategy-Focused Organization, which introduces a new approach to make strategy a continuous process owned not just by top management, but by all employees.

Revolutionizing Product DevelopmentQuantum Leaps in Speed, Efficiency, and QualitySimon and Schuster

Improving Product Reliability

Integrating Technological, Market and Organizational Change

Collaborative Product Design and Manufacturing Methodologies and Applications

