

Sap Upstream Oil Gas Capgemini

"... A comprehensive collection about how enterprises can apply systems thinking in their enterprise architecture practice, for business transformation and for strategic execution. The book’s contributors find that systems thinking is a valuable way of thinking about the viable enterprise and how to architect it" -- Back cover.

Warehouses are an integral link in the modern supply chain, ensuring that the correct product is delivered in the right quantity, in good condition, at the required time, and at minimal cost: in effect, the perfect order. The effective management of warehouses is vital in minimizing costs and ensuring the efficient operation of any supply chain. Warehouse Management is a complete guide to best practice in warehouse operations. Covering everything from the latest technological advances to current environmental issues, this book provides an indispensable companion to the modern warehouse. Supported by case studies, the text considers many aspects of warehouse management, including: cost reduction productivity people management warehouse operations With helpful tools, hints and up-to-date information, Warehouse Management provides an invaluable resource for anyone looking to reduce costs and boost productivity.

Original textbook (c) October 31, 2011 by Olivier Bonaventure, is licensed under a Creative Commons Attribution (CC BY) license made possible by funding from The Saylor Foundation’s Open Textbook Challenge in order to be incorporated into Saylor’s collection of open courses available at: http://www.saylor.org. Free PDF 282 pages at https://www.textbookequity.org/bonaventure-computer-networking-principles-protocols-and-practice/ This open textbook aims to fill the gap between the open-source implementations and the open-source network specifications by providing a detailed but pedagogical description of the key principles that guide the operation of the Internet.
1 Preface
2 Introduction
3 The application Layer
4 The transport layer
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Technological change is ridden with conflicts, bifurcations and unexpected developments. Neurocapitalism takes us on an extraordinarily original journey through the effects that cutting-edge technology has on cultural, anthropological, socio-economic and political dynamics. Today, neurocapitalism shapes the technological production of the commons, transforming them into tools for commercialization, automatic control, and crisis management. But all is not lost: in highlighting the growing role of General Intellect's autonomous and cooperative production through the development of the commons and alternative and antagonistic uses of new technologies, Giorgio Griziotti proposes new ideas for the organization of the multitudes of the new millennium.

Principles, Protocols and Practice

A Casebook on Asia’s Global Market Leaders

Competing Through the Supply Chain

15th IFIP WG 5.1 International Conference, PLM 2018, Turin, Italy, July 2-4, 2018, Proceedings

A Complete Guide to Improving Efficiency and Minimizing Costs in the Modern Warehouse

Rapid Modelling for Increasing Competitiveness

In today's hyper-transparent world, consumers have enormous power to decide which brands are worth their time and money—so how do you make sure they choose yours? Unfortunately, most leaders and organizations are stuck following archaic, detrimental business practices. Meanwhile, savvy consumers and employees across every generation are making their stance perfectly clear: They are not interested in supporting organizations that seem inauthentic, soulless, or untrustworthy. In this environment, only the honest will survive. In Honest to Greatness, serial Inc. 5000 entrepreneur Peter Kozodoy shows how today's greatest business leaders use honesty—not as a touchy-feely core value, but as a business strategy that produces game-changing, industry-dominating success. Through case studies and interviews with leaders at Bridgewater Associates, Sprint, Quicken Loans, Domino's, The Ritz-Carlton, and more, Kozodoy presents fresh business concepts that anyone in the workplace can implement in order to:
• Reach, engage, and retain your best customers
• Attract and inspire the best talent in any industry
• Create an unbeatable culture of innovation that dominates your competitors
• Earn your team's respect and loyalty
• Unlock deep personal fulfillment by setting the "right" goals
Filled with powerful lessons for current and future leaders, this timely book demonstrates how to use honesty at both the organizational and individual level to achieve true greatness in business and in life.

Cognitive Hyperconnected Digital Transformation provides an overview of the current Internet of Things (IoT) landscape, ranging from research, innovation and development priorities to enabling technologies in a global context. It is intended as a standalone book in a series that covers the Internet of Things activities of the IERC-Internet of Things European Research Cluster, including both research and technological innovation, validation and deployment. The book builds on the ideas put forward by the European Research Cluster, the IoT European Platform Initiative (IoT-EPI) and the IoT European Large-Scale Pilots Programme, presenting global views and state-of-the-art results regarding the challenges facing IoT research, innovation, development and deployment in the next years. Hyperconnected environments integrating industrial/business/consumer IoT technologies and applications require new IoT open systems architectures integrated with network architecture (a knowledge-centric network for IoT), IoT system design and open, horizontal and interoperable platforms managing things that are digital, automated and connected and that function in real-time with remote access and control based on Internet-enabled tools. The IoT is bridging the physical world with the virtual world by combining augmented reality (AR), virtual reality (VR), machine learning and artificial intelligence (AI) to support the physical-digital integrations in the Internet of mobile things based on sensors/actuators, communication, analytics technologies, cyber-physical systems, software, cognitive systems and IoT platforms with multiple functionalities. These IoT systems have the potential to understand, learn, predict, adapt and operate autonomously. They can change future behaviour, while the combination of extensive parallel processing power, advanced algorithms and data sets feed the cognitive algorithms that allow the IoT systems to develop new services and propose new solutions. IoT technologies are moving into the industrial space and enhancing traditional industrial platforms with solutions that break free of device-, operating system- and protocol-dependency. Secure edge computing solutions replace local networks, web services replace software, and devices with networked programmable logic controllers (NPLCs) based on Internet protocols replace devices that use proprietary protocols. Information captured by edge devices on the factory floor is secure and accessible from any location in real time, opening the communication gateway both vertically (connecting machines across the factory and enabling the instant availability of data to stakeholders within operational silos) and horizontally (with one framework for the entire supply chain, across departments, business units, global factory locations and other markets). End-to-end security and privacy solutions in IoT space require agile, context-aware and scalable components with mechanisms that are both fluid and adaptive. The convergence of IT (information technology) and OT (operational technology) makes security and privacy by default a new important element where security is addressed at the architecture level, across applications and domains, using multi-layered distributed security measures. Blockchain is transforming industry operating models by adding trust to untrusted environments, providing distributed security mechanisms and transparent access to the information in the chain. Digital technology platforms are evolving, with IoT platforms integrating complex info

WHATS IN IT FOR ME? Information technology lives all around us-in how we communicate, how we do business, how we shop, and how we learn. Smart phones, iPods, PDAs, and wireless devices dominate our lives, and yet it's all too easy for students to take information technology for granted. Rainer and Turban's Introduction to Information Systems, 2nd edition helps make Information Technology come alive in the classroom. This text takes students where IT lives-in today's businesses and in our daily lives while helping students understand how valuable information technology is to their future careers. The new edition provides concise and accessible coverage of core IT topics while connecting these topics to Accounting, Finance, Marketing, Management, Human resources, and Operations, so students can discover how critical IT is to each functional area and every business. Also available with this edition is WileyPLUS - a powerful online tool that provides instructors and students with an integrated suite of teaching and learning resources in one easy-to-use website. The WileyPLUS course for Introduction to Information Systems, 2nd edition includes animated tutorials in Microsoft Office 2007, with iPod content and podcasts of chapter summaries provided by author Kelly Rainer.

Now today's managers can prepare to successfully oversee and understand information systems with Reynold’s INFORMATION TECHNOLOGY FOR MANAGERS, 2E. This practical, insightful book prepares current and future managers to understand the critical business implications of information technology. A wealth of actual contemporary examples demonstrate how successful managers can apply information technology to improve their organizations. A new chapter on IT security, hands-on scenarios and practical cases give readers an opportunity to apply what they’re learning. This edition’s solid framework helps define the manager’s important role in information technology and in working effectively with all members of the organization to achieve results. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Oracle E-Business Suite Inventory R12

Managing Organizational Business Process Change

Digital Transformation in Business and Society

Warehouse Management in SAP S/4HANA

Logistics Management and Strategy

Demystifying Impacts of the Fourth Industrial Revolution

Fundamentals of Information Systems

The digital transformation is in full swing and fundamentally changes how we live, work, and communicate with each other. From retail to finance, many industries see an inflow of new technologies, disruption through innovative platform business models, and employees struggling to cope with the significant shifts occurring. This Fourth Industrial Revolution is predicted to also transform Logistics and Supply Chain Management, with delivery systems becoming automated, smart networks created everywhere, and data being collected and analyzed universally. The Digital Transformation of Logistics: Demystifying Impacts of the Fourth Industrial Revolution provides a holistic overview of this vital subject clouded by buzz, hype, and misinformation. The book is divided into three themed-sections: Technologies such as self-driving cars or virtual reality are not only electrifying science fiction lovers anymore, but are also increasingly presented as cure-all remedies to supply chain challenges. In The Digital Transformation of Logistics: Demystifying Impacts of the Fourth Industrial Revolution, the authors peel back the layers of excitement that have grown around new technologies such as the Internet of Things (IoT), 3D printing, Robotic Process Automation (RPA), Blockchain or Cloud computing, and show use cases that give a glimpse about the fascinating future we can expect. Platforms that allow businesses to centrally acquire and manage their logistics services disrupt an industry that has been relationship-based for centuries. The authors discuss smart contracts, which are one of the most exciting applications of Blockchain. Software as a Service (SaaS) offerings for freight procurement, where numerous data sources can be integrated and decision-making processes automated, and marine terminal operating systems as an integral node for shipments. In The Digital Transformation of Logistics: Demystifying Impacts of the Fourth Industrial Revolution, insights are shared into the cold chain industry where companies respond to increasing quality demands, and how European governments are innovatively responding to challenges of cross-border eCommerce. People are a vital element of the digital transformation and must be on board to drive change. The Digital Transformation of Logistics: Demystifying Impacts of the Fourth Industrial Revolution explains how executives can create sustainable impact and how competencies can be managed in the digital age - especially for sales executives who require urgent upskilling to remain relevant. Best practices are shared for organizational culture change, drawing on studies among senior leaders from the US, Singapore, Thailand, and Australia, and for managing strategic alliances with logistics service providers to offset risks and create cross-functional, cross-company transparency. The Digital Transformation of Logistics: Demystifying Impacts of the Fourth Industrial Revolution provides realistic insights, a ready-to-use knowledge base, and a working vocabulary about current activities and emerging trends of the Logistics industry. Intended readers are supply chain professionals working for manufacturing, trading, and freight forwarding companies as well as students and all interested parties.

This book comprises the select proceedings of the 2nd International Conference on Future Learning Aspects of Mechanical Engineering (FLAME) 2020. In particular, this volume discusses different topics of industrial and production engineering such as sustainable manufacturing processes, logistics, Industry 4.0 practices, circular economy, lean six sigma, agile manufacturing, additive manufacturing, IoT and Big Data in manufacturing, 3D printing, simulation, manufacturing management and automation, surface roughness, multi-objective optimization and modelling for production processes, developments in casting, welding, machining, and machine tools. The contents of this book will be useful for researchers as well as industry professionals.

This book offers a broad perspective on issues relating to the sourcing of systems and business processes in a national and global context, examining the client's and the vendor's involvement in sourcing relationships by putting the emphasis on the capabilities that each side should develop as a result of their interactions with each other.

A Perspective on Two Decades of Rapid Modeling It is an honor for me to be asked to write a foreword to the Proceedings of the 1st Rapid Modeling Conference. In 1987, when I coined the term “Rapid Modeling” to denote queuing modeling of manufacturing systems, I never imagined that two decades later there would be an international conference devoted to this topic! I am delighted to see that there will be around 40 presentations at the conference by leading researchers from around the world, and about half of these presentations are represented by written papers published in this book. I congratulate the conference organizers and program committee on the success of their efforts to hold the 1rst ever conference on Rapid Modeling. Attendees at this conferencemight?nd it interesting to learn about the history of the term Rapid Modeling in the context it is used here. During the fall of 1986 I was invited to a meeting at the Headquarters of the Society of Manufacturing Engineers (SME) in Dearborn, Michigan. By that time I had successfully demonstrated s- eral industry applications of queuing network models at leading manufacturers in the USA. Although in principle the use of queuing networks to model manufact- ing systems was well known in the OR/MS community and many papers had been published,the actual use of suchmodelsby manufacturingprofessionalswas almost nonexistent.

Tools and Mindset

Supply Chain Finance Solutions

Beyond Alignment

The Essentials of Supply Chain Management

Managing Supply Chain Risk

Honest to Greatness

Catalysts, Roadmap, Practice

Scientists from management and strategy, information systems, engineering and telecommunications have discussed a novel concept: Smart Business Networks. They see the future as a developing web of people and organizations, bound together in a dynamic and unpredictable way, creating smart outcomes from quickly (re-)configuring links between actors. The question is: What should be done to make the outcomes of such a network 'smart', that is, just a little better than that of your competitor? More agile, with less pain, with more return to all the members of the network, now and over time? The technical answer is to create a 'business operating system' that should run business processes on different organisational platforms. Business processes would become portable: The end-to-end management of processes running across many different organizations in many different forms would become possible. This book presents you the outcomes of an energizing and new direction in management science. The growing role of the digital economy in daily life has heightened demand for new data and measurement tools. Internationally comparable and timely statistics combined with robust cross-country analyses are crucial to strengthen the evidence base for digital economy policy making, particularly in a context of rapid change. This report presents indicators traditionally used to monitor the information society and complements them with experimental indicators that provide insight into areas of policy interest. The key objectives of this publication are to highlight measurement gaps and propose actions to advance the measurement agenda.

For upper-level undergraduate and graduate level MIS courses.ThisMIS text gives students and active managers a thorough and practical guide to IT management practices and issues."

This reference book shows how the Zero Outage method leads to more stability in operations, more reliability in projects and, ultimately, to greater customer satisfaction. It explains why clear standards for platforms, processes and personnel are essential for ensuring high ICT quality from end to end and what to look out for during changes – the most common cause of IT outages. Readers also learn how to resolve errors as quickly as possible and permanently eliminate them, and why industry-wide collaboration will only be possible with a shared standard of quality. This book is a practical introduction to making your ICT world even more failsafe and efficient. The authors share key knowledge in quality management and offer an exclusive insight into their extensively tested and continually enhanced formula for success: the Zero Outage approach.

Evaluating Information Systems

Introduction to Information Systems

Intelligent Digital Oil and Gas Fields

Warehouse Management

Relevance - Propositions - Market Value

Trouble in the Making?

Supporting and Transforming Business

Using seven methods, this book explains how to improve the performance of alarm systems, including benchmarking an alarm system performance against industry best practices, developing an alarm philosophy document, rationalizing alarms, and applying real-time alarm management optimization strategies.

This casebook demonstrates that the future of global business lies in how well the multinational landscape is charted and how the importance of Asian market leaders is deeply embedded in it. It offers international management students and researchers an extensive guide to the business history, strategy development, and foreign market entry modes used by emerging Asian multinationals. The cases focus on well-known companies such as Lenovo, Alibaba, Infosys, Huawei, Panasonic, and Rakuten. These companies, all of which generate huge revenues in their own countries (e.g. in China, India, South Korea, Taiwan, Vietnam), are now becoming increasingly sophisticated and striving to become global brands, while also enjoying the active support of their governments in terms of their international business. Readers will learn about the current multinational landscape in Asia, the management challenges, and the future implications for traditional western companies seeking to retain their market share. Chapters on corporate entrepreneurship, human resource management and intercultural competence, and current branding trends in Asia will provide a cutting-edge update on international business strategy for students and practitioners alike.

Oracle e-Business Suite Inventory R12 is written for new and intermediate users, key-users and administrators. It focuses on your role in an Oracle eBS-environment and explains the Concepts, describes the main Screens with navigation paths, gives Step-by-Step instructions and has a Glossary. All chapters have Questions and Answers. The book has seven chapters, 148 pages and 166 screenshots and illustrations.The Topics include: Unit of Measure, Unit of measure classes, Primary UOM, Base Unit, UOM Conversions, Intra-class and Inter-class Conversions, Lot specific UOM Conversions, Item Category Flexfield Structures, Category Sets, Locaters, Item Assignments, Item Master Organization, Item Templates, Category Assignment, Subinventory Transfer, FIFO (first-in-first-out) and LIFO costing method, Define Sub-Inventory Transfer, Current On-Hand Quantity, Physical Inventory, Forecast, Reservation, Material Workbench Screen, Run Multi-Organization Quantity Report, Multi-Organization Quantity, Min-Max Planning, Reorder Point Planning, Kanban Replenishment, Statistical Forecasting, Generate Physical Inventory Tags, Approve Adjustments and much more. What do eBS users think about these books?"Very well structured and easy to follow, even for beginners."John M. McNamara - Wokingham Borough Council"Highly informative and exemplary, hats off."Sunil Sunder Rao - Apps DBA"A single place containing all core eBS Topics!"Hans Schoonen - Director ICT-OKE

Supply Chain Risk Management is an issue that many companies face and yet few companies know how to deal with it in a systematic and pragmatic manner. While avoiding and reducing supply chain risks are certainly preferable, developing ways to restore and stabilize supply chain operations rapidly after a major disruption is critical for managing global supply chains. Sodhi and Tang present important concepts, frameworks, strategies, and analyses that are essential for managing supply chain risks. Not only does this book suggest some practical ways to work with different partners to manage the risks that are present in a global supply chain, it creates a framework that would enable practitioners to engage researchers to work on this important area.¶[Thomas A. Debrowski, Executive Vice President, Worldwide Operations, Mattel, Inc. ¶When a firm outsources its operations to external suppliers, the firm is vulnerable to major and rare disruptions that can occur at any link in the global supply chain. Because these disruptions rarely occur, few firms take commensurate actions to identify, assess, mitigate and respond to various types of supply chain risks. By introducing frameworks and concepts along with several case studies and a review of academic literature, Sodhi and Tang treat this important subject with practical relevance and academic rigor. This book will bring practitioners and researchers to develop effective and efficient ways to manage supply chain risks.¶[Marshall L. Fisher, UPS Professor, Professor of Operations and Information Management and Co-Director of Fishman-Davidson Center for Service and Operations Management, The Wharton School, University of Pennsylvania ¶This book ties observations in practice to methodologies and research. The rich case examples motivated the approaches and methodologies used to mitigate risks, and in the course of doing so, Sodhi and Tang provided insights on existing and new research opportunities. As a result, this book is highly relevant to both practitioners and academics. Also, the book is also written with management lessons on how risks can be mitigated, and how risks can be contained once disruptions have occurred. As such, it is also a book for management to gain insights and to develop management skills.¶[Hau L. Lee, Thoma Professor of Operations, Information and Technology and Director of the Stanford Global Supply Chain Management Forum, Graduate School of Business, Stanford University ¶As companies have extended their supply chains globally and as the face increasing resource issues, they face a number of new risk challenges. While there are various case studies written about supply chain risks, this book gives a comprehensive treatment of the subject with clarity. The concepts and frameworks developed by Sodhi and Tang in this book would create awareness of this important and yet not well understood subject, and strategies described in this book would stimulate practitioners to develop a holistic approach for identifying, assessing, mitigating, and responding to different types of supply chain risks.¶[Nick Wildgoose, Global Supply Chain Proposition Manager, Zurich Insurance

Applying Systems Thinking in Architecting Enterprises

Information Technology for Managers

Personal Edition
 Innovation in the Software Sector
 Seven Effective Methods for Optimum Performance
 Select Proceedings of FLAME 2020
 Multinational Management

This book comes after the 50th anniversary of Rwanda's Independence and provides the first ever comprehensive overview of firms in the country's agribusiness and manufacturing sectors. Understanding Rwanda's Agribusiness and Manufacturing Sectors puts these sectors into context historically, explaining how decisions and initiatives going back to the 1930s have contributed to determining the shape and composition of agribusiness and manufacturing in Rwanda today. These sectors, more than any others, have followed the ups and downs of Rwanda's history. The book also provides an in-depth analysis of agribusiness and manufacturing in Rwanda today, with a focus on understanding the origins, evolution and capabilities of firms, and how these capabilities came to be. This overview, or "Enterprise Mapping," gives the reader a detailed understanding of the ownership structures, products, systems, resources and exports of leading firms in Rwanda's agribusiness and manufacturing sectors today. Finally, this book individually profiles forty-three of Rwanda's largest manufacturing and agribusiness firms. This book is targeted at policymakers, academics, business people, and prospective investors interested in gaining a better understanding of Rwanda's industrial sector.

Intelligent Digital Oil and Gas Fields: Concepts, Collaboration, and Right-time Decisions delivers to the reader a roadmap through the fast-paced changes in the digital oil field landscape of technology in the form of new sensors, well mechanics such as downhole valves, data analytics and models for dealing with a barrage of data, and changes in the way professionals collaborate on decisions. The book introduces the new age of digital oil and gas technology and process components and provides a backdrop to the value and experience industry has achieved from these in the last few years. The book then takes the reader on a journey first at a well level through instrumentation and measurement for real-time data acquisition, and then provides practical information on analytics on the real-time data. Artificial intelligence techniques provide insights from the data. The road then travels to the "integrated asset" by detailing how companies utilize Integrated Asset Models to manage assets (reservoirs) within DOF context. From model to practice, new ways to operate smart wells enable optimizing the asset. Intelligent Digital Oil and Gas Fields is packed with examples and lessons learned from various case studies and provides extensive references for further reading and a final chapter on the "next generation digital oil field," e.g., cloud computing, big data analytics and advances in nanotechnology. This book is a reference that can help managers, engineers, operations, and IT experts understand specifics on how to filter data to create useful information, address analytics, and link workflows across the production value chain enabling teams to make better decisions with a higher degree of certainty and reduced risk. Covers multiple examples and lessons learned from a variety of reservoirs from around the world and production situations Includes techniques on change management and collaboration Delivers real and readily applicable knowledge on technical equipment, workflows and data challenges such as acquisition and quality control that make up the digital oil and gas field solutions of today Describes collaborative systems and ways of working and how companies are transitioning work force to use the technology and making more optimal decisions

This publication examines the opportunities and challenges, for business and government, associated with technologies bringing about the "next production revolution". These include a variety of digital technologies (e.g. the Internet of Things and advanced robotics), industrial...

This is the fourth edition of a unique textbook that provides extensive coverage of the evolution, the current state, and the practice of e-business strategies. It provides a solid introduction to understanding e-business and e-commerce by combining fundamental concepts and application models with practice-based case studies. An ideal classroom companion for business schools, the authors use their extensive knowledge to show how corporate strategy can imbibe and thrive by adopting vibrant e-business frameworks with proper tools. Students will gain a thorough knowledge of developing electronic and mobile commerce strategies and the methods to deal with these issues and challenges.

Understanding Rwanda's Agribusiness and Manufacturing Sectors
 A New Perspective

Technological Mediation and Vanishing Lines
 Concepts, Collaboration, and Right-Time Decisions
 Measuring the Digital Economy

The Future of Manufacturing-Led Development
 Implications for Governments and Business

LNBIP 99 and LNBIP 100 together constitute the thoroughly refereed proceedings of 12 international workshops held in Clermont-Ferrand, France, in conjunction with the 9th International Conference on Business Process Management, BPM 2011, in August 2011. The 12 workshops focused on Business Process Design (BPD 2011), Business Process Intelligence (BPI 2011), Business Process Management and Social Software (BPMS2 2011), Cross-Enterprise Collaboration (CEC 2011), Empirical Research in Business Process Management (ER-BPM 2011), Event-Driven Business Process Management (edBPM 2011), Process Model Collections (PMC 2011), Process-Aware Logistics Systems (PALS 2011), Process-Oriented Systems in Healthcare (ProHealth 2011), Reuse in Business Process Management (rBPM 2011), Traceability and Compliance of Semi-Structured Processes (TC4SP 2011), and Workflow Security Audit and Certification (WfSAC 2011). In addition, the proceedings also include the Process Mining Manifesto (as an Open Access Paper), which has been jointly developed by more than 70 scientists, consultants, software vendors, and end-users. LNBIP 99 contains the revised and extended papers from BPD 2011, BPI 2011 (including the Process Mining Manifesto), BPMS2 2011, CEC 2011, ER-BPM 2011, and edBPM 2011.

The adoption of Information Technology (IT) and Information Systems (IS) represents significant financial investments, with alternative perspectives to the evaluation domain coming from both the public and private sectors. As a result of increasing IT/IS budgets and their growing significance within the development of an organizational infrastructure, the evaluation and performance measurement of new technology remains a perennial issue for management. This book offers a refreshing and updated insight into the social fabric and technical dimensions of IT/IS evaluation together with insights into approaches used to measure the impact of information systems on its stakeholders. In doing so, it describes the portfolio of appraisal techniques that support the justification of IT/IS investments. Evaluating Information Systems explores the concept of evaluation as an evolutionary and dynamic process that takes into account the ability of enterprise technologies to integrate information systems within and between organisations. In particular, when set against a backdrop of organisational learning. It examines the changing portfolio of benefits, costs and risks associated with the adoption and diffusion of technology in today's global marketplace. Finally approaches to impact assessment through performance management and benchmarking is discussed.

Industry 4.0 refers to fourth generation of industrial activity characterized by smart systems and internet-based solutions. This book describes the fourth revolution based on instrumented, interconnected and intelligent assets. The different book chapters provide a perspective on technologies and methodologies developed and deployed leading to this concept. With an aim to increase performance, productivity and flexibility, major application area of maintenance through smart system has been discussed in detail. Applicability of 4.0 in transportation, energy and infrastructure is explored, with effects on technology, organisation and operations from a systems perspective.

This book throws a spotlight on innovation across the software universe, setting out key issues and highlighting policy perspectives. It spans research and development, invention, production, distribution and use of software in the market. It also covers core innovation themes from a user perspective -- including security and privacy, mobility, interoperability, accessibility and reliability. For more information about this book and other OECD work in this area, see www.oecd.org/sti/innovation/software. Innovation in the Software Sector is part of the OECD Innovation Strategy, a comprehensive policy strategy to harness innovation for stronger and more sustainable growth and development, and to address the key global challenges of the 21st century. For more information about the OECD Innovation Strategy, see www.oecd.org/innovation/strategy.

The Handbook of Global Outsourcing and Offshoring

Internet of Things Intelligence Evolution

BPM 2011 International Workshops, Clermont-Ferrand, France, August 29, 2011, Revised Selected Papers

Advances in Industrial and Production Engineering

Zero Outage

FREIGHTVISION - Sustainable European Freight Transport 2050

Concepts and Cases on Value Creation and Digital Business Transformation

This book focuses on the implementation of Artificial Intelligence in Business, Education and Healthcare, It includes research articles and expository papers on the applications of Artificial Intelligence on Decision Making, Entrepreneurship, Social Media, Healthcare, Education, Public Sector, FinTech, and RegTech. It also discusses the role of Artificial Intelligence in the current COVID-19 pandemic, in the health sector, education, and others. It also discusses the impact of Artificial Intelligence on decision-making in vital sectors of the economy.

Technology and globalization are threatening manufacturing's traditional ability to deliver both productivity and jobs at a large scale for unskilled workers. Concerns about widening inequality within and across countries are raising questions about whether interventions are needed and how effective they could be. Trouble in the Making? The Future of Manufacturing-Led Development addresses three questions: - How has the global manufacturing landscape changed and why does this matter for development opportunities? - How are emerging trends in technology and globalization likely to shape the feasibility and desirability of manufacturing-led development in the future? - If low wages are going to be less important in defining competitiveness, how can less industrialized countries make the most of new opportunities that shifting technologies and globalization patterns may bring? The book examines the impacts of new technologies (i.e., the Internet of Things, 3-D printing, and advanced robotics), rising international competition, and increased servicification on manufacturing productivity and employment. The aim is to inform policy choices for countries currently producing and for those seeking to enter new manufacturing markets. Increased polarization is a risk, but the book analyzes ways to go beyond focusing on potential disruptions to position workers, firms, and locations for new opportunities. www.worldbank.org/futureofmanufacturing

Combining the latest research and most current coverage available into a succinct nine chapters, FUNDAMENTALS OF INFORMATION SYSTEMS, 8E equips students with a solid understanding of the core principles of IS and how it is practiced. The streamlined 560-page eighth edition features a wealth of new examples, figures, references, and cases as it covers the latest developments from the field--and highlights their impact on the rapidly changing role of today's IS professional. In addition to a stronger career emphasis, the text includes expanded coverage of mobile solutions, energy and environmental concerns, the increased use of cloud computing across the globe, and two cases per chapter. Learning firsthand how information systems can increase profits and reduce costs, students explore new information on e-commerce and enterprise systems, artificial intelligence, virtual reality, green computing, and other issues reshaping the industry. The text introduces the challenges and risks of computer crimes, hacking, and cyberterrorism. It also presents some of the most current research on virtual communities, global IS work solutions, and social networking. No matter where students' career paths may lead, FUNDAMENTALS OF INFORMATION SYSTEMS, 8E and its resources can help them maximize their success as employees, decision makers, and business leaders. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This is today's indispensable introduction to supply chain management for today's students and tomorrow's managers - not yesterday's! Prof. Hokey Min focuses on modern business strategies and applications - transcending obsolete logistics- and purchasing-driven approaches still found in many competitive books. Focusing on outcomes throughout, The Essentials of Supply Chain Management shows how to achieve continuous organizational success by applying modern supply chain concepts. Reflecting his extensive recent experience working with leading executives and managers, Min teaches highly-effective methods for supply chain thinking and problem-solving. You'll master an integrated Total System Approach that places functions like inventory control and transportation squarely in context, helping you smoothly integrate internal and external functions, and establish effective inter-firm cooperation and strategic alliances across complex supply chains. Coverage includes: Understanding modern sourcing, logistics, operations, sales, and marketing - and how they fit together Using modern supply chain methods to improve customer satisfaction and quality Working with cutting-edge supply chain technology and metrics Moving towards greater sustainability and more effective risk management Working with core analytical tools to evaluate supply chain practices and measure performance Legal, ethical, cultural, and environmental/sustainability aspects of modern supply chain operations How to build a career in global supply chain management The Essentials of Supply Chain Management will be an indispensable resource for all graduate and undergraduate students in supply chain management, and for every practitioner pursuing professional certification or executive education in the field.

Business Process Management Workshops

The Digital Transformation of the Automotive Industry

Applications of Artificial Intelligence in Business, Education and Healthcare

Cognitive Hyperconnected Digital Transformation

Alarm Management

The Digital Transformation of Logistics

Managing Information Technology

This book constitutes the refereed post-conference proceedings of the 15th IFIP WG 5.1 International Conference on Product Lifecycle Management, PLM 2018, held in Turin, Spain, in July 2018. The 72 revised full papers presented were carefully reviewed and selected from 82 submissions. The papers are organized in the following topical sections: building information modeling; collaborative environments and new product development; PLM for digital factories and cyber physical systems; ontologies and data models; education in the field of industry 4.0; product-service systems and smart products; lean organization for industry 4.0; knowledge management and information sharing; PLM infrastructure and implementation; PLM maturity, implementation and adoption; 3D printing and additive manufacturing; and modular design and products and configuration and change management.

Managing Organizational Business Process ChangeIntelligent Digital Oil and Gas FieldsConcepts, Collaboration, and Right-Time DecisionsGulf Professional Publishing

How do you run your warehouse with SAP S/4HANA? This comprehensive guide has the answers! Begin by setting up your embedded Extended Warehouse Management (EWM) system using organizational structures and master data. Then master your essential processes such as goods issue and receipt, putaway, picking, and taking inventory. Bring everything together with information on advanced tasks like cross-docking, value-added services, kitting, and integration with SAP TM and SAP GTS!--

The book "Supply Chain Finance Solutions" offers orientation in the new discipline of Supply Chain Finance (SCF) by investigating the need for and nature of SCF, along with its characteristics and enablers. Due to the novelty of the Supply Chain Finance approach, there are still many knowledge gaps. This lack of research leads to uncertainties about the successful implementation of SCF solutions within companies as there is little quantified evidence on the achievable cost savings and other potential benefits. The authors close this gap by providing the latest information on business concepts and the SCF market. Based on a sample SCF model, the worldwide market size for such solutions and potential cost savings to companies engaged in SCF are analyzed. The work underlines the generally agreed-upon attractiveness and future relevance of SCF solutions by creating win-win situations; for all actors in the end-to-end supply chain as well as for external service providers.

Strategies for e-Business

New Business Concepts and Applications

The Next Production Revolution Implications for Governments and Business

How Today's Greatest Leaders Use Brutal Honesty to Achieve Massive Success

Embedded EWM

Smart Business Networks

Computer Networking

The digital traces that people leave behind as they conduct their daily lives provide a powerful resource for businesses to better understand the dynamics of an otherwise chaotic society. Digital technologies have become omnipresent in our lives and we still do not fully know how to make the best use of the data these technologies could harness. Businesses leveraging big data appropriately could definitely gain a sustainable competitive advantage. With a balanced mix of texts and cases, this book discusses a variety of digital technologies and how they transform people and organizations. It offers a debate on the societal consequences of the yet unfolding technological revolution and proposes alternatives for harnessing disruptive technologies for the greater benefit of all. This book will have wide appeal to academics in technology management, strategy, marketing, and human resource management.

Building on his decades of experience as a consultant and project manager in the automotive industry, the author develops comprehensive and pragmatic recommendations for action regarding the digital transformation of the automotive and supplier industries. At the heart is the transition from a vehicle-focused to a mobility-oriented business model. Based on the catalysts of the digital change, four digitisation fields are structured, and a roadmap for their transformation is presented. The topics of comprehensive change in corporate culture and an agile and efficient information technology are covered in detail as vital success factors. Selected practical examples of innovative digitisation projects provide additional ideas and impulses. An outlook on the automotive industry in the year 2040 completes the discourse.

This book has been written on the basis of the research done between 2008 and 2010 as part of the European Commission funded FREIGHTVISION project. The "FREIGHTVISION - Freight Transport 2050 Foresight" project was funded by the Directorate General MOVE to design a long term vision for European freight transport in 2050 and to identify actions and research to progress appropriate freight transport measures in Europe. The project was carried out as a foresight process encompassing four conferences in which the project team identified and developed with the aid of more than 100 experts an action plan for securing long term freight transport in Europe. The book provides insights into the freight transport visions and Backcasts identified for 2035 and 2050, issues which need to be addressed and measures which were assessed to be part of future paths to assure an economical, environmental, and social freight transport system.

Product Lifecycle Management to Support Industry 4.0

Putting ICT Quality First in the Digital Era

Neurocapitalism

Theory and Cases

Forecast, Vision and Policy Recommendation

Handbook of Industry 4.0 and SMART Systems