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**KEY=MANAGEMENT - NOVAK HERRERA**

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### SAP Product Lifecycle Management

**SAP PRESS** \* Your one-stop overview of SAP Product Lifecycle Management \* Master the functionalities and processes of SAP PLM \* Take your products from concept to delivery and beyond \* Up to date for SAP PLM 7.02 and SAP ERP 6.0, EHPs 5 and 6 This comprehensive guide to SAP Product Lifecycle Management walks you through the business processes, functions, and features of the software solutions that manage the countless product-specific business objects. From product innovation and design to product data management, from change request to execution, and from product compliance to analytics, leverage the best practices that will successfully keep your organization ahead of its competition. Product Development Full coverage of the product strategy and planning phase will help you develop product concepts, investigate opportunities, and track the product ideas to grow your product portfolio. Product Data Management Use the SAP ERP and SAP PLM data model to provide all relevant parties with the metrics they require as the product data evolves. Maintenance and Customer Service Explore the business processes that govern product maintenance and customer service, product quality management, product change management, product compliance, and operational risk management. Project Management Pipeline Learn to use monitoring tools for project budgets, costs, progress, and deliverables with SAP Project System and SAP Project and Portfolio Management solutions. Step-by-Step Coverage Examine the diagrams, workflows, and screenshots that complement in-depth text coverage of important processes.

### Supply Chain Management Based on SAP Systems

### Order Management in Manufacturing Companies

**Springer Science & Business Media** Since SAP is emphasizing recent developments in operations management in its SCM initiative, this book describes the methodological background from the viewpoint of a company using SAP systems. It describes order processing both in an intra- and interorganizational perspective, as well as describing future developments and system enhancements.

### Computer-Aided Design, Engineering, and Manufacturing

### Systems Techniques and Applications, Volume I, Systems Techniques and Computational Methods

**CRC Press** In the competitive business arena your organization must continually strive to create new and better products faster, more efficiently, and more cost effectively than your competitors to gain and keep the competitive advantage. Computer-aided design (CAD), computer-aided engineering (CAE), and computer-aided manufacturing (CAM) are now the industry

### SAP R/3 Business Blueprint

### Understanding the Business Process Reference Model

**Prentice Hall** This book is a businessman's bible about business process design. Using SAP's leading enterprise software product R/3 as a backdrop, it is the first book to explain the structure and content of common business processes that management deals with on a daily basis. The authors paint the future of business process change by giving the reader the terminology, content, and technology behind an evolving standard for enterprises in the new age - the business blueprint. Here is a collection of process and object descriptions that are the basis for streamlining your company in the future. The book explains how to understand the process content of systems like R/3 and apply it to your company. In particular, this book explains the impact of new technologies such as Windows NT and the Internet on future business process design. It considers the scenarios that companies will need to integrate based on a common business process understanding.

### Project Management with SAP Project System

**SAP PRESS** Understand how SAP Project System supports the entire lifecycle of your project, from planning to invoicing Learn how to customize, maximize, and use the full potential of SAP Project System Align your business processes with the different phases of SAP Project System 3rd edition, with new features from SAP ERP 6.0, EHP5 and 6 Don't let projects stress you out any longer get them under control with this book From development, to planning, to controlling, and to invoicing, no essential project step or function is left out. You'll get started with a thorough introduction to the functions and customization of SAP Project System. After mastering the basics, you'll learn how to map specific business processes and execution, carry out the different phases of project management, and much more. All Phases of the Project Cycle Whether you're interested in project planning, budgeting, implementation, invoicing, or reporting, find comprehensive coverage of all project phases. Overview of Structures Learn how to efficiently use work breakdown structures, networks, milestones, and statuses. Editing and Maintenance Functions Find out how to handle tools such as Project Builder and Project Planning Board, use the field selection and mass change functions, and more. Integration Scenarios Explore how to use SAP Project System in combination with other project management tools, including Open PS for Microsoft Project and SAP Portfolio and Project Management. Updated for EHP5 and 6 Discover new functions from the two latest Enhancement Packages, as well as SAP Enterprise Project Connection (also relevant for users with older releases as of 4.6C). Highlights Work breakdown structure and network Milestones, documents, statuses, and versions Tools for master data maintenance Scheduling and planning Budgeting functions External services and internal activities Revaluation, overhead rates, interest calculation Results analysis, cost forecast, settlement Project Information System: Structures and Financials Open PS for Microsoft Project SAP Portfolio and Project Management

### Business Processes: Operational Solutions for SAP Implementation

### Operational Solutions for SAP Implementation

**IGI Global** "This book is about Enterprise Resource Planning (ERP) systems implementation, focusing on business operations/processes and information systems to support business operations/processes" - Provided by publisher.

### Product Development with SAP PLM

**SAP PRESS** Looking for better control over your product development? With this guide to SAP Product Lifecycle Management (SAP PLM), you'll get in-depth instructions and configuration information for all stages! Set up and use SAP Portfolio and Project Management (PPM), variant configuration, Product Structure Management, and more. Then integrate with R&D, manufacturing, and authoring systems. From product visualization to collaborative development--get all the tools you need to succeed with SAP PLM! Highlights: -SAP Innovation Management -SAP Portfolio and Project Management (PPM) - Requirements and target management -Variant configuration -Product structures -Product validation -Processes management -Change, release, and configuration management -Product visualization - Collaboration product development

### Enterprise Resource Planning and Supply Chain Management

### Functions, Business Processes and Software for Manufacturing Companies

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

## Concurrent Engineering Approaches for Sustainable Product Development in a Multi-Disciplinary Environment

### Proceedings of the 19th ISPE International Conference on Concurrent Engineering

**Springer Science & Business Media** The CE Conference series is organized annually by the International Society for Productivity Enhancement (ISPE) and constitutes an important forum for international scientific exchange on concurrent and collaborative enterprise engineering. These international conferences attract a significant number of researchers, industrialists and students, as well as government representatives, who are interested in the recent advances in concurrent engineering research and applications. Concurrent Engineering Approaches for Sustainable Product Development in a Multi-Disciplinary Environment: Proceedings of the 19th ISPE International Conference on Concurrent Engineering contains papers accepted, peer reviewed and presented at the annual conference held at the University of Applied Sciences in Trier, Germany, from 3rd-7th of September 2012. This covers a wide range of cutting-edge topics including: Systems Engineering and Innovation Design for Sustainability Knowledge Engineering and Management Managing product variety Product Life-Cycle Management and Service Engineering Value Engineering

## Water and Power

### Environmental Governance and Strategies for Sustainability in the Lower Mekong Basin

**Springer** This book brings together a talented international group of scholars, policy practitioners, and NGO professionals that explores a range of issues relating to environmental, developmental, and governing challenges on the Mekong, one of the world's greatest rivers and, alas, one of the most endangered. The book is divided into three sections devoted in turn to historical perspectives on the Lower Mekong Basin. Issues relate to livelihood strategies, environmental threats, and adaptation strategies; and various aspects of river governance, with individual authors treating questions of governance at different levels of refraction and in different registers. The result is a fresh and innovative collection of essays, which, taken together, provide much-needed new perspectives on some of the most important and seemingly intractable environmental and development issues in contemporary Asia.

## Building Governance and Climate Change

### Regulation and Related Policies

**Routledge** The contribution of buildings to climate change is widely acknowledged. This book investigates how building regulatory systems are addressing the current and future effects of climate change, and how these systems can be improved. After presenting a comprehensive overview of how the current building regulatory system developed, some of the inadequacies are identified. The largest part of the book examines the potential for innovative policy solutions to address the real world problem of mitigating and adapting buildings to climate change. This publication contributes significantly to our understanding of the complexities of long-term energy efficiency in buildings. This book was originally published as a special issue of the Building Research & Information journal.

## Agile Procurement

### Volume II: Designing and Implementing a Digital Transformation

**Springer** This book is the second of two volumes presenting a business model to add value through Procurement. Including several case studies of successful implementation, it demonstrates how the increasing complexity of the business environment requires a significant intervention on the management of processes and information within individual organizations and through inter-company relations. Agile Procurement presents the application of the Agile method which optimizes and digitizes processes in order to reduce wastage and defects. As a method, tool and a culture aimed at effectiveness, efficiency and economy of organizations, Agile Procurement requires a change of paradigm. This volume examines these areas of improvement and presents best practice in the digitization of the processes. The last chapter examines the near future developments of the procurement, which the author labels Procurement 4.0. It presents also how new solutions, like Blockchain, could revolutionize procurement.

## Innovation and Future of Enterprise Information Systems

### ERP Future 2012 Conference, Salzburg, Austria, November 2012, Revised Papers

**Springer Science & Business Media** This volume presents the revised and peer reviewed contributions of the "ERP Future 2012" conference held in Salzburg/Austria on November 11th - 12th, 2012. The conference is a platform for research in ERP systems and closely related topics like business processes, business intelligence, and enterprise information systems in general. To master the challenges of ERP comprehensively, the ERP Future 2012 Research conference accepted contributions both with a business focus as well as with an IT focus to consider enterprise resource planning from various viewpoints. This combination of business and IT aspects is a unique characteristic of the conference and of this volume that resulted in valuable contributions with high practical impact.

## Engineering the Climate

### The Ethics of Solar Radiation Management

**Rowman & Littlefield** Engineering the Climate: The Ethics of Solar Radiation Management discusses the ethical issues associated with deliberately engineering a cooler climate to combat global warming. Climate engineering (also known as geoengineering) has recently experienced a surge of interest given the growing likelihood that the global community will fail to limit the temperature increases associated with greenhouse gases to safe levels. Deliberate manipulation of solar radiation to combat climate change is an exciting and hopeful technical prospect, promising great benefits to those who are in line to suffer most through climate change. At the same time, the prospect of geoengineering creates huge controversy. Taking intentional control of earth's climate would be an unprecedented step in environmental management, raising a number of difficult ethical questions. One particular form of geoengineering, solar radiation management (SRM), is known to be relatively cheap and capable of bringing down global temperatures very rapidly. However, the complexity of the climate system creates considerable uncertainty about the precise nature of SRM's effects in different regions. The ethical issues raised by the prospect of SRM are both complex and thorny. They include: 1) the uncertainty of SRM's effects on precipitation patterns, 2) the challenge of proper global participation in decision-making, 3) the legitimacy of intentionally manipulating the global climate system in the first place, 4) the potential to sidestep the issue of dealing with greenhouse gas emissions, and, 5) the lasting effects on future generations. It has been widely acknowledged that a sustained and scholarly treatment of the ethics of SRM is necessary before it will be possible to make fair and just decisions about whether (or how) to proceed. This book, including essays by 13 experts in the field of ethics of geoengineering, is intended to go some distance towards providing that treatment.

## Mobile and Web Innovations in Systems and Service-Oriented Engineering

**IGI Global** "This book offers widespread knowledge on modern organizations and the complications of the current globalized computing environment"--Provided by publisher.

### Enhancing Competitive Advantage With Dynamic Management and Engineering

**IGI Global** While many advances have been made in understanding the complexity of manufacturing and production engineering, the social and organizational context remains problematic due to the abstract nature of leadership and diverse personnel. Interdisciplinary perspectives to increase knowledge and understanding of engineering management and related processes are necessary in the industry. Enhancing Competitive Advantage With Dynamic Management and Engineering is an essential reference source containing scholarly research on the relevant theoretical frameworks and the latest empirical research findings of strategic administration in engineering. It also explores how to better merge, interrelationship organizations, management, and employee needs in order to increase efficiency, productivity, and profitability. Featuring coverage on a broad range of topics such as business process orientation, diversity management, and enterprise architecture, this book provides vital research for managers, researchers, engineers, and other professionals within engineering and production management.

## Handbook of Research on Complex Dynamic Process Management: Techniques for

## Adaptability in Turbulent Environments

### Techniques for Adaptability in Turbulent Environments

**IGI Global** Investigates the nature and history of dynamic processes essential to understanding the need for flexibility and adaptability as well as the requirements to improve solutions.

### Document Management with SAP S/4HANA

**SAP Press** Well-kept records are the key to success--so learn how to maintain yours with Document Management System! Get step-by-step instructions for implementing and configuring DMS in SAP S/4HANA, from using SAP Activate to defining master data. Set up document information records and then see how to structure, distribute, and report on them. Whether you need a system that supports digital signatures, engineering change management, or specialized workflows, this guide has you covered! Highlights include: 1) Master data 2) Classification 3) Document information record (DIR) 4) Structuring and distribution 5) Digital signatures 6) Engineering change management 7) Authorizations 8) Workflows 9) SAP Document Center 10) SAP 3D Visual Enterprise Generator 11) SAP Activate

### A Handbook of Business Transformation Management Methodology

**Gower Publishing, Ltd.** This book provides an integrative Business Transformation Management Methodology, the BTM<sup>2</sup>, with an emphasis on the balance between the rational aspects of transformation and the often underestimated emotional readiness of employees to absorb and accept transformation initiatives. The BTM<sup>2</sup> is a response to the limitations of single methods and management approaches that have always been adopted separately from each other. Comprising four phases - Envision, Engage, Transform, and Optimize - the methodology integrates discipline-specific technical and methodological expertise from transformation-relevant subject areas. The BTM<sup>2</sup> provides guidance and support for transformation projects by bringing together the disciplines of Meta, Strategy, Value, Risk, Transformational IT, Program and Project, Organizational Change, Business Process, and Competence and Training Management. While Strategy, Value, and Risk Management set the course for a business transformation, the other disciplines enable the transformation process. The Meta Management discipline is a novel approach that aims at orchestrating the application of all BTM<sup>2</sup> disciplines. It incorporates topics such as business transformation culture, values, and communication, as well as formal and informal structures and roles needed for a successful transformation approach. Additionally, a wide range of theory is discussed to help understand the phenomenon of transformation with new insights from case studies that helped to develop the methodology that is offered here. The BTM<sup>2</sup> was developed by the Business Transformation Academy (BTA). The BTA is an innovative think tank that manages an interdisciplinary Thought Leadership Network operating under the auspices of the Business Transformation Services of SAP. For the purpose of creating this holistic methodology the BTA brought together 33 international thought leaders from various management disciplines. The result is a '360-degree' view on what business transformation means and how to manage it successfully. Therefore, this handbook is intended for C-level executives, reflective managers and consultants, and those with an academic interest in change and transformation management.

### Blockchain and Supply Chain Management

**Elsevier** Blockchain and Supply Chain Management combines discussions of blockchain and supply chains, linking technologies such as artificial intelligence, Internet of Things, satellite imagery, and machine vision. The book examines blockchain's basic concepts, relevant theories, and its roles in meeting key supply chain objectives. The book addresses problems related to inefficiency, opacity, and fraud, helping the digitization process, simplifying the value creation process, and facilitating collaboration. The book is balanced between blockchain and supply chain application and theory, covering the latest technological, organizational and regulatory developments in blockchain from a supply chain perspective. The book discusses the opportunities, barriers, and enablers of blockchain in supply chain policy, along with legal and ethical implications. Supply chain management faces massive disruption with the dynamic changes in global trade, the impact of Covid-19, and technological innovation. Entire industries are also being transformed by blockchain, with some of the most promising applications in supply chain management. Provides theoretical and practical insights into both blockchain and supply chains Features numerous illustrative case studies, boxes, tables, and figures Examines blockchain's impacts on supply chains in four key industries: Food and beverage, healthcare, pharmaceuticals, and finance

### Global Value Chains, Flexibility and Sustainability

**Springer** This book provides a conceptual framework of global value chains, flexibility and sustainability, supported by research projects, case applications and models in various related areas organized into three parts. In the first part of the book, various authors discuss how to improve the efficiency and effectiveness of global value chains through various types of analyses. While the focus is on cluster management, and mergers and joint ventures, the legal aspects of control and liability concerning the integration of value chains, is also examined in one of the contributions. The second part includes chapters concerning 'Strategy and Flexibility'. Strategies concern topics such as inventory management, talent management, strategic alignment, decision making, behavioural change and HR systems. The third and final part of the volume concerns the topic of 'Sustainability', wherein the contributions focus on various initiatives intended to promote sustainability across respective value chains bearing in mind the concept of flexibility. The book is a valuable resource for a varied audience, ranging from management students and researchers, to practicing business managers, as well as for professional institutions, consultants, and corporate organizations.

### Engineering Response to Climate Change

**CRC Press** A clear, concise discussion of today's hottest topics in climate change, including adapting to climate change and geo-engineering to mitigate the effects of change, Engineering Response to Climate Change, Second Edition takes on the tough questions of what to do and offers real solutions to the practical problems caused by radical changes in the Ea

### Materials Management with SAP S/4HANA

### Business Processes and Configuration

**SAP PRESS** Get MM on SAP S/4HANA! Set up the master data your system needs to run its material management processes. Learn how to define material types, MRP procedures, business partners, and more. Configure your essential processes, from purchasing and MRP runs to inventory management and goods issue and receipt. Discover how to get more out of SAP S/4HANA by using batch management, special procurement types, the Early Warning System, and other built-in tools. Highlights include: 1) Materials master data 2) Vendor master data 3) Business partners 4) Purchasing information data 5) Batch management 6) Material requirements planning (MRP) 7) Inventory management 8) Goods issue/goods receipt (GI/GR) 9) Material Ledger 10) Invoice verification 11) Document management 12) Reporting

### Force Multiplying Technologies for Logistics Support to Military Operations

**National Academies Press** The mission of the United States Army is to fight and win our nation's wars by providing prompt, sustained land dominance across the full range of military operations and spectrum of conflict in support of combatant commanders. Accomplishing this mission rests on the ability of the Army to equip and move its forces to the battle and sustain them while they are engaged. Logistics provides the backbone for Army combat operations. Without fuel, ammunition, rations, and other supplies, the Army would grind to a halt. The U.S. military must be prepared to fight anywhere on the globe and, in an era of coalition warfare, to logistically support its allies. While aircraft can move large amounts of supplies, the vast majority must be carried on ocean going vessels and unloaded at ports that may be at a great distance from the battlefield. As the wars in Afghanistan and Iraq have shown, the costs of conveying vast quantities of supplies is tallied not only in economic terms but also in terms of lives lost in the movement of the materiel. As the ability of potential enemies to interdict movement to the battlefield and interdict movements in the battlespace increases, the challenge of logistics grows even larger. No matter how the nature of battle develops, logistics will remain a key factor. Force Multiplying Technologies for Logistics Support to Military Operations explores Army logistics in a global, complex environment that includes the increasing use of antiaccess and area-denial tactics and technologies by potential adversaries. This report describes new technologies and systems that would reduce the demand for logistics and meet the demand at the point of need, make maintenance more efficient, improve inter- and intratheater mobility, and improve near-real-time, in-transit visibility. Force Multiplying Technologies also explores options for the Army to operate with the other services and improve its support of Special Operations Forces. This report provides a logistics-centric research and development investment strategy and illustrative examples of how improved logistics could look in the future.

### A Handbook of Business Transformation Management Methodology

**Routledge** This book provides an integrative Business Transformation Management Methodology, the BTM<sup>2</sup>, with an emphasis on the balance between the rational aspects of transformation and the often underestimated emotional readiness of employees to absorb and accept transformation initiatives. Comprising four phases - Envision, Engage, Transform, and Optimize - the methodology integrates expertise from areas such as strategy, risk, and project management. Covering the formal and informal structures and roles needed for a successful transformation, the authors cover a wide range of theory to help understand the phenomenon of transformation. A '360-degree' view on what business transformation means and how to manage it successfully, this handbook is suitable for business executives dealing with organizational change. A range of illustrative case studies ensure this is also a valuable resource for academics interested in change and transformation management.

### Industrial Engineering: Concepts, Methodologies, Tools, and Applications

## Concepts, Methodologies, Tools, and Applications

**IGI Global** Industrial engineering affects all levels of society, with innovations in manufacturing and other forms of engineering oftentimes spawning cultural or educational shifts along with new technologies. *Industrial Engineering: Concepts, Methodologies, Tools, and Applications* serves as a vital compendium of research, detailing the latest research, theories, and case studies on industrial engineering. Bringing together contributions from authors around the world, this three-volume collection represents the most sophisticated research and developments from the field of industrial engineering and will prove a valuable resource for researchers, academics, and practitioners alike.

## Pollution Control Handbook for Oil and Gas Engineering

**John Wiley & Sons** This is a major new handbook that covers hundreds of subjects that cross numerous industry sectors; however, the handbook is heavily slanted to oil and gas environmental management, control and pollution prevention and energy efficient practices. Multi-media pollution technologies are covered : air, water, solid waste, energy. Students, technicians, practicing engineers, environmental engineers, environmental managers, chemical engineers, petroleum engineers, and environmental attorneys are all professionals who will benefit from this major new reference source. The handbook is organized in three parts. Part A provides an extensive compilation of abbreviations and concise glossary of pollution control and engineering terminology. More than 400 terms are defined. The section is intended to provide a simple look-up guide to confusing terminology used in the regulatory field, as well as industry jargon. Cross referencing between related definitions and acronyms are provided to assist the user. Part B provides physical properties and chemical safety information. This part is not intended to be exhaustive; however it does provide supplemental information that is useful to a number of the subject entries covered in the main body of the handbook. Part C is the Macropedia of Subjects. The part is organized as alphabetical subject entries for a wide range of pollution controls, technologies, pollution prevention practices and tools, computational methods for preparing emission estimates and emission inventories and much more. More than 100 articles have been prepared by the author, providing a concise overview of each subject, supplemented by sample calculation methods and examples where appropriate, and references. Subjects included are organized and presented in a macropedia format to assist a user in gaining an overview of the subject, guidance on performing certain calculations or estimates as in cases pertinent to preliminary sizing and selection of pollution controls or in preparing emissions inventories for reporting purposes, and recommended references materials and web sites for more in-depth information, data or computational tools. Each subject entry provides a working overview of the technology, practice, piece of equipment, regulation, or other relevant issue as it pertains to pollution control and management. Cross referencing between related subjects is included to assist the reader to gain as much of a practical level of knowledge.

## Quality Management with SAP

**SAP PRESS**

## 8th International Conference on Engineering, Project, and Product Management (EPPM 2017)

## Proceedings

**Springer** This book presents the proceedings of the 8th International Conference on Engineering, Project, and Product Management (EPPM 2017), highlighting the importance of engineering, project and product management in a region of the world that is in need of transformation and rebuilding. The aim of the conference was to bring together the greatest minds in engineering and management and offer them a platform to share their innovative, and potentially transformational, findings. The proceedings are comprehensive, multidisciplinary, and advanced in their approach with an appeal not only for academicians and university students but also for professionals in various engineering fields, especially construction, manufacturing and production.

## Handbook of Research on IT Applications for Strategic Competitive Advantage and Decision Making

**IGI Global** To date, a plethora of companies and organizations are investing vast amounts of money on the latest technologies. Information technology can be used to improve market share, profits, sales, competitive advantage, and customer/employee satisfaction. Unfortunately, the individuals meant to use these technologies are not well equipped on how to effectively and efficiently use these tools for competitive advantage and decision making. The *Handbook of Research on IT Applications for Strategic Competitive Advantage and Decision Making* is a collection of innovative research relevant to the methodologies, theoretical frameworks, and latest empirical research findings in information technology applications, strategic competitive advantage, and decision making. While highlighting topics including agility, knowledge management, and business intelligence, this book is ideally designed for information technology professionals, academics, researchers, managers, executives, and government officials interested in using information technology for strategic competitive advantage and better decision making.

## SAP Backup using Tivoli Storage Manager

**IBM Redbooks** In this IBM® Redbooks® publication, we give an overview of different data management topics related to a typical SAP® data center. The intrinsic functionality of SAP is not designed to completely handle all the tasks of a data center by itself, but the SAP system offers several interface possibilities to attach external tools to it to accomplish this task. We explain SAP basic concepts and the issues with SAP data management. We introduce Tivoli® Storage Manager and all of its products that are related to SAP data management. We provide some comparison between database backup and recovery tools. Finally, we discuss data archiving using IBM DB2® CommonStore for SAP, and discuss high availability requirements and disaster recovery considerations. The second part of this book discusses a practical implementation of SAP backup and recovery with Tivoli Storage Manager. We implement this setup on two separate SAP systems: one running DB2 and the other running Oracle® database. We also implement LAN-free backup and FlashCopy® scenarios. In the sample implementation section, we show many different tasks, such as backup and restore, database recovery, backup monitoring, and tuning. We also cover some advanced backup/availability considerations, such as split mirror backup and standby databases. This book helps individuals that operate an SAP environment to devise a strategy for a sound and comprehensive data backup solution using the IBM Tivoli Storage Management product family.

## Advanced Methodologies and Technologies in Digital Marketing and Entrepreneurship

**IGI Global** As businesses aim to compete internationally, they must be apprised of new methods and technologies to improve their digital marketing strategy in order to remain ahead of their competition. Trends in entrepreneurship that drive consumer engagement and business initiatives, such as social media marketing, yields customer retention and positive feedback. *Advanced Methodologies and Technologies in Digital Marketing and Entrepreneurship* provides information on emerging trends in business innovation, entrepreneurship, and marketing strategies. While highlighting challenges such as successful social media interactions and consumer engagement, this book explores valuable information within various business environments and industries such as e-commerce, small and medium enterprises, hospitality and tourism management, and customer relationship management. This book is an ideal source for students, marketers, social media marketers, business managers, public relations professionals, promotional coordinators, economists, hospitality industry professionals, entrepreneurs, and researchers looking for relevant information on new methods in digital marketing and entrepreneurship.

## Information Systems Development

## Challenges in Practice, Theory, and Education

**Springer Science & Business Media** Information Systems Development (ISD) progresses rapidly, continually creating new challenges for the professionals involved. New concepts, approaches and techniques of systems development emerge constantly in this field. Progress in ISD comes from research as well as from practice. This conference will discuss issues pertaining to information systems development (ISD) in the inter-networked digital economy. Participants will include researchers, both experienced and novice, from industry and academia, as well as students and practitioners. Themes will include methods and approaches for ISD; ISD education; philosophical, ethical, and sociological aspects of ISD; as well as specialized tracks such as: distributed software development, ISD and knowledge management, ISD and electronic business / electronic government, ISD in public sector organizations, IOS.

## Production Planning with SAP S/4HANA

**SAP PRESS** "Streamline your production planning process with SAP S/4HANA! Get step-by-step instructions for configuring and using SAP S/4HANA for discrete, process, and repetitive manufacturing. Then dive into production tools and functionalities like batch management, S&OP, predictive MRP, DDMRP, and the Early Warning System. This foundational guide is full of industry examples to help you maximize your production planning!"--

## Handbook of Research on Technology Project Management, Planning, and Operations

**IGI Global** "This book provides a compendium of terms, definitions and explanations of concepts, processes and acronyms that reflect the growing trends, issues, and applications of technology project management"--Provided by publisher.

## Strategic Water Management: International Experience and Practices – Vol. III – Flood Risk Management

UNESCO

### Handbook of Research on Enterprise Systems

**IGI Global** Addresses the field of enterprise systems, covering progressive technologies, leading theories, and advanced applications.

### International Perspectives on Engineering Education

### Engineering Education and Practice in Context, Volume 1

**Springer** This inclusive cross-cultural study rethinks the nexus between engineering education and context. In so doing the book offers a reflection on contextual boundaries with an overall boundary crossing ambition and juxtaposes important cases of critical participation within engineering education with sophisticated scholarly reflection on both opportunities and discontents. Whether and in what way engineering education is or ought to be contextualized or de-contextualized is an object of heated debate among engineering educators. The uniqueness of this study is that this debate is given comprehensive coverage – presenting both instrumentally inclined as well as radical positions on transforming engineering education. In contextualizing engineering education, this book offers diverse commentary from a range of disciplinary, meta- and interdisciplinary perspectives on how cultural, professional, institutional and educational systems contexts shape histories, structural dynamics, ideologies and challenges as well as new pathways in engineering education. Topics addressed include examining engineering education in countries ranging from India to America, to racial and gender equity in engineering education and incorporating social awareness into the area. Using context as “bridge” this book confronts engineering education head on. Contending engineering ideologies and corresponding views on context are juxtaposed with contending discourses of reform. The uniqueness of the book is that it brings together scholars from the humanities, the social sciences and engineering from Europe – both East and West – with the United States, China, Brazil, India and Australia.

### Realigning Research and Practice in Information Systems Development

### The Social and Organizational Perspective

**Springer** Given the pervasive nature of information technology and information systems in the modern world, the design and development of IS and IT are critical issues of concern. New research topics continuously emerge in tandem with the latest developments in technology-E-Business, Knowledge Management, Business Process Reengineering, for example. However, when the initial flurry of research abates and the “gloss” of these areas has diminished somewhat, as it inevitably does, the enduring core issue remains as to how to develop systems to fully exploit these new areas. Both information systems and information technology are interpreted fairly broadly in this book. Of particular interest to the editors were research studies that facilitate an understanding of the role and impact of information technology on society, organizations, and individuals, and which strive to improve the design and use of information systems in that context. The contributions to the book are categorized into four broad themes. First is the core issue of developing information systems in the current environment. In this section several fundamental challenges to current assumptions and conventional wisdom in information systems development are posed. The second section considers the management of information systems. Again, the conventional wisdom is challenged. The penultimate section focuses on researching information systems. Here, various issues to do with research methods are surfaced, and the use of leading-edge research methods in information systems development is pioneered and discussed. Finally, a section is devoted to understanding information systems. This section addresses the perennial challenge in the IS field in relation to the conceptual foundations of the field. This volume comprises the proceedings of the Working Conference on Realigning Research and Practice in Information Systems Development: The Social and Organizational Perspective, which was sponsored by the International Federation for Information Processing (IFIP) and held in Boise, Idaho, USA in July 2001. Given the central importance of information systems development in the current age, this eclectic book, which considers the topic from a rich and varied set of perspectives, will be essential reading for researchers and practitioners working in all areas of IS and IT.

### Human Resource Management and the Implementation of Change

**Routledge** With the increased pace of global, economical and technological development, change has become an inevitable feature of any organisation to survive in the competitive market. If it is a planned change process, the HR practitioner can use any of the existing general models or theories of change and use suggestive interventions to increase effectiveness and capability to change itself. When the magnitude of change is unpredictable or the degree of the organisational process or systems is unorganised, the existing models or practice of planned change is still in the formative stage, and there is room for continuous refinement and improvement. This book will bridge this gap in the current organisational development and change literature by benefiting the HR practitioner with six real case studies. The cases bring out the interventions adopted, key activities associated with the successful implementation of interventions and the critical role played by HR in achieving organisational effectiveness. This book captures the transformational journey of a diverse set of companies and weaves various dimensions into a common coherent framework for the field of HRM in Change Management. The case studies illustrate six powerful organisational experiences, listing the major activities contributing to effective change management from motivating change, vision, support from key stakeholders, transition management to organisational and HR commitment for implementation. By demonstrating the role of HR as a ‘change agent,’ this volume will be valuable to researchers, academics, managers and students in the fields of human resource management and change management.