

Managing Information Technology For Business Value Practical Strategies For It And Business Managers It Best Practices Series

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The Business Value of Computers - Paul A. Strassmann 1990

The book addresses the practical needs of executives responsible for planning, budgeting & justifying information technology expenditures. Written by the former chief information executive (1956-1978) & vice president of strategic planning (1978-1985), author of the widely acclaimed & translated INFORMATION PAYOFF - THE TRANSFORMATION OF WORK IN THE ELECTRONIC AGE (Free Press, 1985), lecturer & university professor. Reviews: "A New Bible for Management Information Systems. An eminently readable book made more so by a playful sense of humor" -Information Week-; "Strips away obfuscation that has concealed the real value of computers." (The Financial Post); "A true path to the Holy Grail of business value." (Computer Weekly); "Some surprising answers to familiar questions cast new light on investing profitably in computer hardware & software." (The Conference Board); "All those either transfixed or baffled by the powers

& potential of computers would do well to heed Strassmann's advice." (Daily Telegraph); "Measuring managerial productivity is the key to knowing how to invest in information technology. Strassmann's new book sets out the results of his research in detail. His argument comes through clearly." (The Financial Times).

Cases on ICT Utilization, Practice and Solutions: Tools for Managing Day-to-Day Issues - Al-Mutairi, Mubarak S. 2010-11-30

"This book presents in-depth insight through a case study approach into the current state of research in ICT as well as identified successful approaches, tools and methodologies in ICT research"--Provided by publisher.

Measuring the Business Value of Cloud Computing - Theo Lynn
2020-08-27

The importance of demonstrating the value achieved from IT investments is long established in the Computer Science (CS) and Information

Systems (IS) literature. However, emerging technologies such as the ever-changing complex area of cloud computing present new challenges and opportunities for demonstrating how IT investments lead to business value. Recent reviews of extant literature highlights the need for multi-disciplinary research. This research should explore and further develops the conceptualization of value in cloud computing research. In addition, there is a need for research which investigates how IT value manifests itself across the chain of service provision and in inter-organizational scenarios. This open access book will review the state of the art from an IS, Computer Science and Accounting perspective, will introduce and discuss the main techniques for measuring business value for cloud computing in a variety of scenarios, and illustrate these with mini-case studies.

Proceedings of the Twelfth International Symposium on Human Aspects of Information Security & Assurance (HAISA 2018) -

Nathan Clarke 2018-09-09

The Human Aspects of Information Security and Assurance (HAISA) symposium specifically addresses information security issues that relate to people. It concerns the methods that inform and guide users' understanding of security, and the technologies that can benefit and support them in achieving protection. This book represents the proceedings from the 2018 event, which was held in Dundee, Scotland, UK. A total of 24 reviewed papers are included, spanning a range of topics including the communication of risks to end-users, user-centred security in system development, and technology impacts upon personal privacy. All of the papers were subject to double-blind peer review, with each being reviewed by at least two members of the international programme committee.

Spillover of Adsorbed Species: International Symposium Proceedings -
Gerard Meurant 2000-04-01

Spillover of Adsorbed Species: International Symposium Proceedings

Management Information Systems - Kenneth C. Laudon 2004

Management Information Systems provides comprehensive and integrative coverage of essential new technologies, information system

applications, and their impact on business models and managerial decision-making in an exciting and interactive manner. The twelfth edition focuses on the major changes that have been made in information technology over the past two years, and includes new opening, closing, and Interactive Session cases.

Computing Handbook, Third Edition - Heikki Topi 2014-05-14

Computing Handbook, Third Edition: Information Systems and Information Technology demonstrates the richness and breadth of the IS and IT disciplines. The second volume of this popular handbook explores their close links to the practice of using, managing, and developing IT-based solutions to advance the goals of modern organizational environments. Established leading experts and influential young researchers present introductions to the current status and future directions of research and give in-depth perspectives on the contributions of academic research to the practice of IS and IT development, use, and management Like the first volume, this second volume describes what occurs in research laboratories, educational institutions, and public and private organizations to advance the effective development and use of computers and computing in today's world. Research-level survey articles provide deep insights into the computing discipline, enabling readers to understand the principles and practices that drive computing education, research, and development in the twenty-first century.

Realigning Research and Practice in Information Systems Development -
Nancy L. Russo 2013-06-29

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.

Informatics Engineering and Information Science - Azizah Abd Manaf 2011-11-10

This 4-Volume-Set, CCIS 0251 - CCIS 0254, constitutes the refereed proceedings of the International Conference on Informatics Engineering and Information Science, ICIEIS 2011, held in Kuala Lumpur, Malaysia, in November 2011. The 210 revised full papers presented together with invited papers in the 4 volumes were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections on e-learning, information security, software engineering, image

processing, algorithms, artificial intelligence and soft computing, e-commerce, data mining, neural networks, social networks, grid computing, biometric technologies, networks, distributed and parallel computing, wireless networks, information and data management, web applications and software systems, multimedia, ad hoc networks, mobile computing, as well as miscellaneous topics in digital information and communications.

Progressive Trends in Knowledge and System-Based Science for Service Innovation - Kosaka, Michitaka 2013-10-31

Scientific investigation in the service industry has produced a major effect on productivity and quality in order to lead to new services. With ever-evolving internet technologies and information environments, system science and knowledge science seem to be an effective tool for service innovation in the 21st century. *Progressive Trends in Knowledge and System-Based Science for Service Innovation* illustrates new approaches to service innovation and new methodologies from the knowledge science and system science perspectives. Practitioners and researchers interested in knowing more about practical theories and successful examples in service science will find this book to be a vital asset to their studies.

IT Success! - Michael Gentle 2007-10-22

"Fifty years after the birth of corporate computing, IT today is still characterized by 50-70% project failure rates. Which is pretty scary when you come to think of it: either a goblin has cast a spell on a whole profession - or that profession is doing something fundamentally wrong". *IT Success!* challenges the widespread assumption that an IT department is like a building contractor whose project managers, architects and engineers (all construction industry terms...) are supposed to deliver systems on schedule, within budget and to spec. Michael Gentle explains why this is not possible, and turns conventional wisdom on its head by showing that: you cannot define an IT project in terms of contractual budgets and schedules anything can change during the life of a project what is eventually delivered can never be what is actually needed He proposes a new model for IT in which the traditional client/vendor

relationship, with its contractual commitments, is replaced by a shared risk/reward partnership geared towards workable results over time. Using real-world examples and a case study, the author walks you through the end-to-end processes of an IT department, covering subjects like demand management, investment planning, agile development and managing production applications.

Leading Issues in ICT Evaluation - Egon Berghout 2012-01-01

ICT evaluation is a perennial issue and it is likely to remain so. There are a number of different reasons for this and one of the most important is that it is no trivial matter to establish the real costs and the benefits of effectively employing ICT in an organisation. Another reason why ICT evaluation is regarded with such importance is the ever growing size of the investment required to set up and deliver innovative information systems. It has long since been the case that the sum invested in ICT has outstripped the rest of the capital investment budget in a large number of organisations. Perhaps because of the amount of investment in ICT has been so great, we have made much progress in our understanding of the issues related to the costs and the benefits involved with ICT evaluation. *Leading Issues in ICT Evaluation Research* provides a number of important insights into this complex issue. The book is of value to a wide range of individuals working with ICT including, academics, their students and other researchers as well as consultants and practicing ICT professionals. 204 pages

EJBRM Volume 9 Issue 2 -

ECRM2015-Proceedings of the 14th European Conference on Research Methods 2015 - Dr Vincent Cassar 2015-06-01

Complete proceedings of the 14th European Conference on Research Methodology for Business and Management Studies Valletta, Malta
Published by Academic Conferences and Publishing International

From Business Strategy to Information Technology Roadmap -

Tiffany Pham 2018-09-03

Whether you are a CEO, CFO, board member, or an IT executive, *From Business Strategy to Information Technology Roadmap: A Practical*

Guide for Executives and Board Members lays out a practical, how-to approach to identifying business strategies and creating value-driven technology roadmaps in your organization. Unlike many other books on the subject, you will not find theories or grandiose ideas here. This book uses numerous examples, illustrations, and case studies to show you how to solve the real-world problems that business executives and technology leaders face on a day-to-day basis. Filled with actionable advice you can use immediately, the authors introduce Agile and the Lean mindset in a manner that the people in your business and technology departments can easily understand. Ideal for executives in both the commercial and nonprofit sectors, it includes two case studies: one about a commercial family business that thrived to become a multi-million-dollar company and the other about a nonprofit association based in New York City that fights against child illiteracy.

IT (Information Technology) Portfolio Management Step-by-Step - Bryan Maizlish 2010-10-07

Praise for *IT Portfolio Management Step-by-Step* "Bryan Maizlish and Robert Handler bring their deep experience in IT 'value realization' to one of the most absent of all IT management practices--portfolio management. They capture the essence of universally proven investment practices and apply them to the most difficult of challenges--returning high strategic and dollar payoffs from an enterprise's IT department. The reader will find many new and rewarding insights to making their IT investments finally return market leading results." --John C. Reece, Chairman and CEO, John C. Reece & Associates, LLC Former deputy commissioner for modernization and CIO of the IRS "IT Portfolio Management describes in great detail the critical aspects, know-how, practical examples, key insights, and best practices to improve operational efficiency, corporate agility, and business competitiveness. It eloquently illustrates the methods of building and integrating a portfolio of IT investments to ensure the realization of maximum value and benefit, and to fully leverage the value of all IT assets. Whether you are getting started or building on your initial success in IT portfolio management, this book will provide you information on how to build and

implement an effective IT portfolio management strategy." --David Mitchell, President and CEO, webMethods, Inc. "I found IT Portfolio Management very easy to read, and it highlights many of the seminal aspects and best practices from financial portfolio management. It is an important book for executive, business, and IT managers." --Michael J. Montgomery, President, Montgomery & Co. "IT Portfolio Management details a comprehensive framework and process showing how to align business and IT for superior value. Maizlish and Handler have the depth of experience, knowledge, and insight needed to tackle the challenges and opportunities companies face in optimizing their IT investment portfolios. This is an exceptionally important book for executive leadership and IT business managers, especially those wanting to build a process-managed enterprise." --Peter Fingar, Executive Partner Greystone Group, coauthor of The Real-Time Enterprise and Business Process Management (BPM): The Third Wave "A must-read for the non-IT manager who needs to understand the complexity and challenges of managing an IT portfolio. The portfolio management techniques, analysis tools, and planning can be applied to any project or function." --Richard "Max" Maksimoski, Senior Director R&D, The Scotts Company "This book provides an excellent framework and real-world based approach for implementing IT portfolio management. It is a must-read for every CIO staff considering how to strategically and operationally impact their company's bottom line." --Donavan R. Hardenbrook, New Product Development Professional, Intel Corporation

Measuring the Business Value of Information Technology - David S. Sward 2006

Measuring the Business Value of Information Technology deals with computers/software.

Practical Aspects of Design Science - Markus Helfert 2012-09-11
This book constitutes the refereed proceedings of the European Design Science Symposium, EDSS 2011, held in Leixlip, Ireland, in October 2011 held in conjunction with the Intel European Research and Innovation Conference, ERIC 2011. The 15 revised full papers presented were carefully reviewed and selected from various submissions. The

papers are organized in topical sections on design science and processes; evaluation and utility; and applying design science.

Technology Business Management - Todd Tucker 2016-05-31
For many CIOs, the value they deliver is elusive. It's not that they do not create positive business outcomes, it's that they have a hard time demonstrating value for the money spent. As a result, many IT leaders find themselves trapped in a vicious cycle of defending their budgets, cutting resources when times are tight, and struggling to keep pace with an insatiable business appetite for innovation. Meanwhile, business leaders increasingly rely on the cloud and other third parties for their technology needs, finding clear tradeoffs between cost, features, risk, and speed of delivery at their fingertips. CIOs must not only compete with these alternatives, they must embrace the new reality of a multi-sourced, service-oriented world. Many IT leaders are taking a more proactive approach to optimizing value. By using shared facts about cost, consumption, quality, risk and performance, hundreds of CIOs have empowered value conversations centered on cost-for-performance, business-aligned portfolios, investments in innovation and enterprise agility. The tradeoffs they've illuminated changed the tone of their meetings and instilled a business mindset in IT decisions. By reading this book, you'll discover and learn the following: -A practical, applied framework -- called Technology Business Management -- for creating and using shared facts to make better decisions about people, technologies, services and investments -A standard taxonomy of resources, technologies and services for CIOs to translate between IT, financial, and business perspectives -Creating transparency to empower decision makers, demonstrate cost-efficiency, shape demand and plan in step with the business -What your technology business model says about the value you deliver and the disciplines you employ -How to shift from project portfolio management to service portfolio management to both improve alignment and adopt more agile approaches to innovation and development -How to optimize run-the-business spending by optimizing infrastructure, outsources, labor and services and rationalizing your portfolios for better alignment -How to improve your ability to change the

business by better governing innovation investments and improving enterprise agility-How to create and execute a roadmap for improving data and decision making capabilities over time while reaping rewards at every stage of maturity

Information Technology Strategy and Management: Best Practices - Chew, Eng K. 2009-01-31

Describes the principles and methodologies for crafting and executing a successful business-aligned IT strategy to provide businesses with value delivery.

Hospital Management and Emergency Medicine: Breakthroughs in Research and Practice - Management Association, Information Resources 2020-02-07

Improvements in hospital management and emergency medical and critical care services require continual attention and dedication to ensure efficient and proper care for citizens. To support this endeavor, professionals rely more and more on the application of information systems and technologies to promote the overall quality of modern healthcare. Implementing effective technologies and strategies ensures proper quality and instruction for both the patient and medical practitioners. *Hospital Management and Emergency Medicine: Breakthroughs in Research and Practice* examines the latest scholarly material on emerging strategies and methods for delivering optimal emergency medical care and examines the latest technologies and tools that support the development of efficient emergency departments and hospital staff. While highlighting the challenges medical practitioners and healthcare professionals face when treating patients and striving to optimize their processes, the book shows how revolutionary technologies and methods are vastly improving how healthcare is implemented globally. Highlighting a range of topics such as overcrowding, decision support systems, and patient safety, this publication is an ideal reference source for hospital directors, hospital staff, emergency medical services, paramedics, medical administrators, managers and employees of health units, physicians, medical students, academicians, and researchers seeking current research on providing optimal care in emergency

medicine.

ECIME 2014 Proceedings of the 8th European Conference on IS Management and Evaluation - Steven de Haes 2014

Practical Technology Business Management - Jon Sober 2020-10-24
This book has been written to assist those people who are starting, and also those that are already involved, with the process of managing the cost of Information Technology, and looking for the appropriate way to manage that cost to deliver business value. A structured method to deliver this, Technology Business Management (TBM), will be introduced in terms of the ideas, approaches, challenges and responses that are involved. TBM has developed and formalised as a consolidated set of disciplines since the late 'noughties,' previously having been activities carried out piecemeal and usually prioritised on an ad-hoc basis or to firefight specific organisational issues as they arose. In larger organisations, the activities which are now grouped together under a TBM banner were separate functions, with little or no recognition of the value to be gained by improving their cross-functional interaction. Without any formal structure to guide this, alongside the necessary level of professional expertise, and the training and focus needed to maintain core capabilities, the isolation of finance and technology functions was only broken down in a few companies. This book takes the practical disciplines of TBM and builds on the central concepts related to value which were covered in the 2016 book by Todd Tucker, "Technology Business Management: The Four Value Conversations CIOs Must Have With Their Businesses ". The development of TBM is as much founded on in its practical delivery as in the recognition of its value, and this book brings together structured guidance on that, based on real-life implementations and conversations about the concepts. The increasing capabilities of tools which help integrate information from multiple business functions paved the way for many innovative business improvements, and continue to do so. The recognition of the value to be gained in bringing this ability to the combination of management disciplines from technology, finance and business is where Technology

Business Management derived its core propositions. Gradual development of the formality around this, with incremental value being able to be delivered over a sustained period, is why TBM has grown to its current state. A particular backbone of this is the TBM Taxonomy, which is included in this book as an Appendix. The other major factor in the development of Technology Business Management as a discipline has been the recognition of the value of a community of common interest, rather than the previous islands of competence. TBM is what has developed in the last decade from the starting point of those far-sighted individuals, companies and suppliers who saw a common interest in fixing problems that many organisations looked at as "too hard".

Continuing to build those communities of interest around TBM is a route to innovating and continuing to gain value, both within an organisation and within and across industries. There is still a gap between what it is possible to communicate and teach, as against what can be built through more direct relationships between those who are thoughtful, skilled, inquisitive or knowledgeable in a topic. A common understanding of the challenges and failures that are likely to affect those working in this space is, however, useful. That is what this book targets.

Architecture and Patterns for IT Service Management, Resource Planning, and Governance: Making Shoes for the Cobbler's Children - Charles T. Betz 2006-11-17

Architecture and Patterns for IT Service Management, Resource Planning, and Governance: Making Shoes for the Cobbler's Children provides an independent examination of developments in Enterprise Resource Planning for Information. Major companies, research firms, and vendors are offering Enterprise Resource Planning for Information Technology, which they label as ERP for IT, IT Resource Planning and related terms. This book presents on-the-ground coverage of enabling IT governance in architectural detail, which can be used to define a strategy for immediate execution. It fills the gap between high-level guidance on IT governance and detailed discussions about specific vendor technologies. It provides a unique value chain approach to integrating the COBIT, ITIL, and CMM frameworks into a coherent,

unified whole. It presents a field-tested, detailed conceptual information model with definitions and usage scenarios, mapped to both process and system architectures. This book is recommended for practitioners and managers engaged in IT support in large companies, particularly those who are information architects, enterprise architects, senior software engineers, program/project managers, and IT managers/directors.

The Strategic Management of Information Systems - Joe Peppard 2016-04-18

A comprehensively updated revision of a book regarded by many as one of the leading and authoritative titles for practitioners, academics and students in the domain of information systems and technology (IS/IT) strategy. Presents a structured framework with tools, techniques and ways of thinking which provide a practical approach to building a digital strategy, expressed primarily in the language of business and management. Brings together the implications of the significant advances in IT and the most useful current thinking, research, and experiences concerning the business impact and strategic opportunities created by IS/IT. Peppard and Ward discuss the key questions that managers have to grapple with of where, when and how to invest in IS/IT, which is why a IS/IT (or digital) strategy is required.

Value Management - Roger H. Davies 2016-02-17

Change programmes in both private and public sectors have a poor record of delivering their intended value. The reasons given most often for their failure include lack of executive support or buy-in from key users, loose requirements definition, weak programme management, and plain wishful thinking. They rarely include technical limitations. Value Management puts forward the view that the true problem lies in failing to understand the causal links between the intended stakeholder outcomes and the actual programme outputs. Repeating the pattern of failure can be avoided by asking two questions: - Before implementation, what capabilities must a change programme deliver, when and in what order so as to cause intended value against a defined purpose with speed and certainty? - During and after implementation, what minor adjustments and/or major shifts are needed to be certain that the

programme remains on purpose and on value? and two answers to be given: - Target, time and align change programmes to deliver maximum intended value to stakeholders - the baseline business case - track and respond to changes during and beyond implementation to ensure that the programme actually delivers or exceeds intended value - value realisation. The authors show how, by asking and answering these questions, direction and delivery of any programme can be clarified and greater economic value achieved.

Reshaping Medical Practice and Care with Health Information Systems - Dwivedi, Ashish 2016-02-09

Technology has become an integral part of our daily interactions, even within the hospitals and healthcare facilities we rely on in times of illness and injury. New technologies and systems are being developed every day, advancing the ways that we treat and maintain the health and wellbeing of diverse populations. Reshaping Medical Practice and Care with Health Information Systems explores the latest advancements in telemedicine and various medical technologies transforming the healthcare sector. Emphasizing current trends and future opportunities for IT integration in medicine, this timely publication is an essential reference source for medical professionals, IT specialists, graduate-level students, and researchers.

From Business Strategy to Information Technology Roadmap - Tiffany Pham 2013-05-16

Whether you are a CEO, CFO, board member, or an IT executive, From Business Strategy to Information Technology Roadmap: A Practical Guide for Executives and Board Members lays out a practical, how-to approach to identifying business strategies and creating value-driven technology roadmaps in your organization. Unlike many other books on the subject, you will not find theories or grandiose ideas here. This book uses numerous examples, illustrations, and case studies to show you how to solve the real-world problems that business executives and technology leaders face on a day-to-day basis. Filled with actionable advice you can use immediately, the authors introduce Agile and the Lean mindset in a manner that the people in your business and technology departments can

easily understand. Ideal for executives in both the commercial and nonprofit sectors, it includes two case studies: one about a commercial family business that thrived to become a multi-million-dollar company and the other about a nonprofit association based in New York City that fights against child illiteracy.

Business Strategies for Information Technology Management - Kalle Kangas 2003-01-01

"This business guide presents theoretical and empirical research on the business value of information technology (IT) and introduces strategic opportunities for using IT management to increase organizational performance. Implementation management is addressed with attention to customer relationship outsourcing, decision support systems, and information systems strategic planning. Domestic, international, and multinational business contexts are covered."

Managing Technology for Business Value - Stephen McLaughlin 2020-05-07

This book will appeal primarily to postgraduate business studies students who seek to better understand how to use technology to improve organizational performance. It provides insights into how technology can both positively and negatively influence the way we create, share, and act upon information and knowledge. Taking as a starting point the premise that we now live and operate in a knowledge intensive, information-driven world, where data is arguably the most valuable resource any organization possesses, it argues that we cannot see technology simply as a commodity or a cost to the business. Therefore, every organizational decision-maker must be more aware of the impact technology can have on the knowledge practices and habits of employees, building and sustaining collaborative relationships, and the ability to realise strategic goals in a dynamic and highly competitive environment.

Advances in Management Accounting - Marc J. Epstein 2008-12-24
Features articles on a variety of topics in management accounting that are relevant to researchers in both practice and academe. This work is suitable for management accounting scholars.

Computer and Information Sciences III - Erol Gelenbe 2012-10-29

A collection of papers from ISCIS 27th Annual Symposium. Based on a rigorous selection of worldwide submissions of advanced research papers, this volume includes some of the most recent ideas and technical results in computer systems, computer science, and computer-communication networks. This book provides the reader with a timely access to the work of vibrant research groups in many different areas of the world where the new frontiers of computing and communications are being created.

Managing IT Innovation for Business Value: Practical Strategies for IT and Business Managers - Esther Baldwin 2007-09-30

Successful companies actively cultivate new ideas, put those ideas to work quickly and efficiently, and harvest the business value benefits of successful innovations. Discussions of innovation often focus on what a company offers, that is, its products and services. In *Managing Information Technology Innovation for Business Value*, Esther Baldwin and Martin Curley show how successful IT innovations pay back handsomely as well. Innovation is not just about what a company offers, innovation is also about how a company conducts business and how IT innovation can transform an organization into a significantly more efficient company. Drawing on their experience with innovation in Intel's engineering operations, Baldwin and Curley emphasize that IT innovation does not require whole-scale invention. An innovative IT solution reapplied in a new context can provide even greater business value because the initial investment in developing the solution has already been made. Baldwin and Curley highlight the importance of diffusion, which in the context of IT innovation is the acceptance of a new IT solution. An innovation leading to a quality IT solution that does not diffuse cannot contribute to business value. The authors provide a multitude of techniques and methods that improve the likelihood of successful diffusion. User-centered design, for example, increases the likelihood of a successful match between an innovative IT solution and the needs of a community of users. Systemic innovation results when innovative excellence is woven in the fabric of a company's business

processes. Like quality and safety, innovation competencies affect all business functions on an ongoing basis. The culture of the company, its values and its management methods, come together to support the innovator, reward successful innovations, and learn important lessons when innovations go astray. *Managing Information Technology Innovation for Business Value* includes examples and case studies from IT organizations as well as from Intel Corporation. It also includes assessment techniques, skill set descriptions, and a capability maturity framework to help IT organizations understand where they stand as innovators and what steps they can take to strengthen their competencies. The companion Web site provides all code examples presented in the book and an evaluation version of the Intel Integrated Performance Primitives.

Cloud Computing and Services Science - Ivan Ivanov 2013-12-20

This book constitutes the thoroughly refereed proceedings of the Second International Conference on Cloud Computing and Services Science, CLOSER 2012, held in Porto, Portugal, in April 2012. The 15 papers were selected from 145 submissions and are presented together with one invited paper. The papers cover the following topics: cloud computing fundamentals, services science foundation for cloud computing, cloud computing platforms and applications, and cloud computing enabling technology.

Information Technology Control and Audit, Fourth Edition - Sandra Senft 2012-07-18

The new edition of a bestseller, *Information Technology Control and Audit, Fourth Edition* provides a comprehensive and up-to-date overview of IT governance, controls, auditing applications, systems development, and operations. Aligned to and supporting the Control Objectives for Information and Related Technology (COBIT), it examines emerging trends and defines recent advances in technology that impact IT controls and audits—including cloud computing, web-based applications, and server virtualization. Filled with exercises, review questions, section summaries, and references for further reading, this updated and revised edition promotes the mastery of the concepts and practical

implementation of controls needed to manage information technology resources effectively well into the future. Illustrating the complete IT audit process, the text: Considers the legal environment and its impact on the IT field—including IT crime issues and protection against fraud Explains how to determine risk management objectives Covers IT project management and describes the auditor's role in the process Examines advanced topics such as virtual infrastructure security, enterprise resource planning, web application risks and controls, and cloud and mobile computing security Includes review questions, multiple-choice questions with answers, exercises, and resources for further reading in each chapter This resource-rich text includes appendices with IT audit cases, professional standards, sample audit programs, bibliography of selected publications for IT auditors, and a glossary. It also considers IT auditor career development and planning and explains how to establish a career development plan. Mapping the requirements for information systems auditor certification, this text is an ideal resource for those preparing for the Certified Information Systems Auditor (CISA) and Certified in the Governance of Enterprise IT (CGEIT) exams. Instructor's guide and PowerPoint® slides available upon qualified course adoption.

Design Science Research in Information Systems: Advances in Theory and Practice - Ken Peffers 2012-05-08

This book constitutes the refereed proceedings of the 7th International Conference on Design Science Research in Information Systems and Technology, DERIST 2012, held in Las Vegas, NV, USA, in May 2012. The 24 revised full papers presented together with 7 revised short papers were carefully reviewed and selected from 44 submissions. The papers are organized in topical sections on DSRIS in practice, DSRIS methodologies and techniques, social and environmental aspects of DSRIS, theory and theory building in DSRIS, and evaluation of DSRIS

projects.

In Search of Business Value - Robert L. McDowell 2004

"Offers a practical, close-up examination of how a manager or executive can best determine whether a new technology expenditure is justified by a business need." - cover.

Managing Information Technology for Business Value - Curley Martin G. 2004

Annotation A call for IT and business managers to reformulate the way they manage IT, this book contends that if IT is to deliver business value, it should be measured in core business terms such as customer satisfaction, revenue growth, and profitability. Leading academic research and industry best practices are synthesized, and principles and strategies are presented for managing for optimum IT business value, the IT budget, and the IT organization's capability. In a time when IT spending is reduced and IT organizations are often perceived as cost centers, a necessary and timely counterbalance is provided, and the argument is made that IT investments can and should be linked directly to enterprise business indicators. Also discussed is how IT spending should improve corporate profitability and how the relationship between IT initiatives and business indicators should be explicit and empirical.

Managing in the Information Economy - Uday Apte 2007-06-25

This book presents recent research directions that address management in the information economy. The contributors include leading researchers with interests in a diverse set of topics who highlight important areas and point to some important topics for future research. The book begins with perspectives at the level of the economy as a whole and then progressively addresses industrial structure, sectors, functions, and business practices.

Enterprise Value - IT Governance Institute 2008