Journal Of Information Technology And Applications

This book gives an in-depth philosophical analysis of moral problems to which information technology gives rise, for example, problems related to privacy, intellectual property, responsibility, friendship, and trust, with contributions from many of the best-known philosophers writing in the area.

"This book presents a wide range of issues and challenges related to business process reengineering technologies and systems through the use of case studies"--Provided by publisher.

This book examines trends and challenges in research on IT governance in public organizations, reporting innovative research and new insights in the theories, models and practices within the area. As we noticed, IT governance plays an important role in generating value from organization's IT investments. However there are different challenges for researchers in studying IT governance in public organizations due to the differences between political, administrative, and practices in these organizations. The first section of the book looks at Management issues, including an introduction to IT governance in public organizations; a systematic review of IT alignment research in public organizations; the role of middle managers in aligning strategy and IT in public service organizations; and an analysis of alignment and governance with regard to IT-related policy decisions. The second section examines Modelling, including a consideration of the challenges faced by public administration; a discussion of a framework for IT governance implementation suitable to improve alignment and communication between stakeholders of IT services; the design and implementation of IT architecture; and the adoption of enterprise architecture in public organizations. Finally, section three presents Case Studies, including IT governance in the context of e-government strategy implementation in the Caribbean; the relationship of IT organizational structure and IT governance performance in the IT department of a public research and education organization in a developing country; the relationship between organizational ambidexterity and IT governance through a study of the Swedish Tax Authorities; and the role of institutional logics in IT project activities and interactions in a large Swedish hospital.

Quantitative Methodologies using Multi-Methods is a multifaceted book written to help researchers. It is a user-friendly introduction to the popular methods of data mining and data analysis. The book avoids getting involved into details that are more suitable for more advanced users; it is written for readers who have, at most, a surface-level knowledge of the methods presented in the book. The book also serves as an introductory guide to the subject of complementarity of the tools and techniques of data analysis. It shows how methods could be used in synergy to offer insights into the issues that could not be dissected by any single method alone. This text can also be used as a set of templates, where, given a set of research questions, the investigator could identify a set of methodological modules for answering the research questions of interest. This is not entirely unlike the relationship between the analysis and design phases of the systems development life cycle—where the What of the analysis phase has to be translated into the How of the design phase. The book can guide the identification of modules (the How) that are suitable for answering research questions (the What). It can aid in transitioning a conceptual domain of the research questions into a scaffolding of data analytic and data mining methods. The book is also a guide to exploring what data under investigation holds. For example, an investigator may use the methodological modules presented in this book to generate a set of preliminary questions which, after a careful consideration and a requisite culling, could be formulated into a set of questions consistent within a selected theory or a framework. Finally, the book can be used as a generator of new research questions. Applying every method in each of the book's modules opens a new dimension ripe with follow-up questions such as, Why is this so? The answers to this question may provide new insight and lead to the development of a new theory.

This book constitutes the proceedings of the 27th International Working Conference on Requirements Engineering - Foundation for Software Quality, REFSQ 2021, which was due to be held in Essen, Germany, in April 2021. Due to the COVID-19 pandemic the conference was held virtually in April 2021. The special focus of this year`s REFSQ 2021 conference are contributions emphasizing the importance of human values, such as privacy and fairness, when designing software-intensive systems as well as the challenges that intelligent and autonomous systems pose due to the tight interplay with humans.

The Economics of Information Technology is a concise and accessible review of some of the important economic factors affecting information technology industries. These industries are characterized by high fixed costs and low marginal costs of production, large switching costs for users, and strong network effects. These factors combine to produce some unique behavior. The book consists of two parts. In the first part, Professor Varian outlines the basic economics of these industries. In the second part, Professors Farrell and Shapiro describe the impact of these factors on competition policy. The clarity of the analysis and exposition makes this an ideal introduction for undergraduate and graduate students in economics, business strategy, law and related areas.

Two experts on the information economy explore the true economic value of technology and innovation. A wave of business innovation is driving the productivity resurgence in the U.S. economy. In Wired for Innovation, Erik Brynjolfsson and Adam Saunders describe how information technology directly or indirectly created this productivity explosion, reversing decades of slow growth. They argue that the companies with the highest level of returns to their technology investment are doing more than just buying technology; they are inventing new forms of organizational capital to become digital organizations. These innovations include a cluster of organizational and business-process changes, including broader sharing of information, decentralized decision-making, linking pay and promotions to performance, pruning of non-core products and processes, and greater investments in training and education. Innovation continues through booms and busts. This book provides an essential guide for policy makers and economists who need to understand how information technology is transforming the economy and how it will create value in the coming decade.

Public Administration and Information Technology provides a foundational overview of the impact of information technology (IT) on modern public organizations. The focus is on what public managers need to know about managing IT to create more efficient, effective, and transparent organizations. This book is unique in that it provides a concise introduction to the subject area and leaves students with a broad perspective on the most important issues. Other books in the field either examine e-government, or are large reference volumes that are not easily accessible to most students. This textbook shows the practical application of IT to the most important areas of public administration. Public

Administration and Information Technology is ideal for use in traditional public administration courses on IT as well as management information systems courses in schools of business. Divided into 3 parts, the book covers: - Public Organizations and Information Technology I- nformation Technology, Evaluation, and Resource Management - Emerging Issues in for Public Managers

The growth of modern information technology has created a challenge in the organizational and managerial areas of IT. While technological advances often make tasks easier, the human side of a task is still affected. Cases on the Human Side of Information Technology provides many real-life examples of how organizations have handled human side issues in the overall utilization and management of IT. It presents information to assist educators and professionals in the implementation of strategies for the benefit of the company or organization.

Computers and telecommunications have revolutionized the processes of scientific research. How is this information technology being applied and what difficulties do scientists face in using information technology? How can these difficulties be overcome? Information Technology and the Conduct of Research answers these questions and presents a variety of helpful examples. The recommendations address the problems scientists experience in trying to gain the most benefit from information technology in scientific, engineering, and clinical research.

Today's rapid growth in information technology has occurred without a full understanding of the human consequences of its use - on individuals, on organizations, and on society as a whole. As a result, initial expectations have frequently not been met, and a backlash has developed. Clearly a more realistic approach to information technology is needed, and applied psychology can offer great help in this effort.This book takes a problem centered approach to questions of usability, applicability, and acceptability, giving an overview of current research on information technology at work, at home, in education, and in medicine, and where possible, making recommendations for the future. Chapters cover psychology and information technology; management, workers, and the new technologies; factory automation; ergonomics and the new technologies; off ice systems; expert systems in the health field; health care; the disabled; computers in education; attitudes toward the new technologies; information technology and home-based services; and information technology in the home.Frank Blackler teaches in the Department of Behavior in Organizations, University of Lancaster. David Oborne teaches in the Department of Psychology, University College of Swansea. Distributed for The British Psychological Society.

All of us enjoy individually specific service or a product that is delivered for us only. Customer relationship management (CRM) is the area of expertise that helps companies to work with customers based on their specific needs or requirements. To reach success CRM systems implement the most powerful math and IT tools such as statistical analysis, artificial neural nets, and graph systems. This book deals with the practical implementation and meta-analysis of CRM experience in various locations and business areas. The authors have produced a great book and provided meta-analysis of the latest CRM systems and a roadmap of their development. In the chapters, our readers will find descriptive analysis of CRM models, applied tools, and methods.

Managing information technology (IT) on a global scale presents a number of opportunities and challenges. IT can drive the change in global business strategies and improve international coordination. At the same time, IT can be an impediment to achieving globalization. IT as an enabler of and inhibitor to globalization raises interesting questions. Global Perspective of Information Technology Management provides a collection of research works that address relevant IT management issues from a global perspective. As the world economy becomes more interdependent and competition for business continues to be more globally oriented, it has, likewise, become necessary to address the issues of IT management from a broader global focus.

"This book is the first publication that takes a genuinely global approach to the diverse ethical issues evoked by Information and Communication Technologies and their possible resolutions. Readers will gain a greater appreciation for the problems and possibilities of genuinely global information ethics, which are urgently needed as information and communication technologies continue their exponential growth"--Provided by publisher.

"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."

THE TOP 10 SUNDAY TIMES BESTSELLER Shortlisted for the FT Business Book of the Year Award 2019 'Easily the most important book to be published this century. I find it hard to take any young activist seriously who hasn't at least familarised themselves with Zuboff's central ideas.' - Zadie Smith, The Guardian The challenges to humanity posed by the digital future, the first detailed examination of the unprecedented form of power called "surveillance capitalism," and the quest by powerful corporations to predict and control us. The heady optimism of the Internet's early days is gone. Technologies that were meant to liberate us have deepened inequality and stoked divisions. Tech companies gather our information online and sell it to the highest bidder, whether government or retailer. Profits now depend not only on predicting our behaviour but modifying it too. How will this fusion of capitalism and the digital shape our values and define our future? Shoshana Zuboff shows that we are at a crossroads. We still have the power to decide what kind of world we want to live in, and what we decide now will shape the rest of the century. Our choices: allow technology to enrich the few and impoverish the many, or harness it and distribute its benefits. The Age of Surveillance Capitalism is a deeply-reasoned examination of the threat of unprecedented power free from democratic oversight. As it explores this new capitalism's impact on society, politics, business, and technology, it exposes the struggles that will decide both the next chapter of capitalism and the meaning of information civilization. Most critically, it shows how we can protect ourselves and our communities and ensure we are the masters of the digital rather than its slaves.

Discover exciting behind-the-scenes opportunities and challenges in technology today with Schwalbe's unique INFORMATION TECHNOLOGY PROJECT MANAGEMENT, REVISED 7E. This one-of-a-kind

book demonstrates the principles distinctive to managing information technology (IT) projects that extend well beyond standard project management requirements. No book offers more up-to-the minute insights and software tools for IT project management success, including updates that reflect the latest PMBOK Guide, 5th edition, the global standard for managing projects and earning certification. The book weaves today's theory with successful practices for an understandable, integrated presentation that focuses on the concepts, tools, and techniques that are most effective today. INFORMATION TECHNOLOGY PROJECT MANAGEMENT is the only book to apply all ten project management knowledge areas to IT projects. You master skills in project integration, scope, time, cost, quality, human resource, communications, risk, procurement, and stakeholder management as well as all five process groups--initiating, planning, executing, monitoring and controlling, and closing. Intriguing examples from familiar companies featured in today's news, a new Agile case, opportunities with MindView software, and a new chapter on project stakeholder management further ensure you are equipped to manage information technology projects with success. The REVISED Seventh Edition has updated Appendix A for Microsoft Project 2013. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The Logic of Connective Action shows how political action is coordinated and power is organized in communication-based networks, and what political outcomes may result.

Communication, Management and Information Technology contains the contributions presented at the International Conference on Communication, Management and Information Technology (ICCMIT 2016, Cosenza, Italy, 26-29 April 2016, organized by the Universal Society of Applied Research (USAR). The book aims at researchers, scientists, engineers, and scholar students interested or involved in Computer Science and Systems, Communication, and Management.

This book integrates theoretical advances and empirical data on Enterprise Governance in Information Technology (EGIT) with practical applications based on numerous case examples. The third revised edition of Enterprise Governance of Information Technology provides professionals and students with the most recent research advancements as well as an in-depth discussion of the recently-introduced Control Objectives for Information and Related Technologies (COBIT) 2019 framework which can be used to facilitate a tailored implementation of effective EGIT. Furthermore, the book features a new chapter which provides readers with hands-on examples from practice and clear insights on how these relate to theory. At the forefront of the field, the authors of this volume draw from years of research and advising corporate clients to present a comprehensive resource on EGIT. Featuring a variety of elements, including executive summaries and sidebars, extensive references, questions and activities and additional online materials, this book is a valuable updated resource for professionals, students and researchers alike.

This two-volume set (CCIS 267 and CCIS 268) constitutes the refereed proceedings of the International Conference on Information and Business Intelligence, IBI 2011, held in Chongqing, China, in December 2011. The 229 full papers presented were carefully reviewed and selected from 745 submissions. The papers address topics such as communication systems; accounting and agribusiness; information education and educational technology; manufacturing engineering; multimedia convergence; security and trust computing; business teaching and education; international business and marketing; economics and finance; and control systems and digital convergence.

This book revises the strategic objectives of Information Warfare, interpreting them according to the modern canons of information age, focusing on the fabric of society, the economy, and critical Infrastructures. The authors build plausible detailed real-world scenarios for each entity, showing the related possible threats from the Information Warfare point of view. In addition, the authors dive into the description of the still open problems, especially when it comes to critical infrastructures, and the countermeasures that can be implemented, possibly inspiring further research in the domain. This book intends to provide a conceptual framework and a methodological guide, enriched with vivid and compelling use cases for the readers (e.g. technologists, academicians, military, government) interested in what Information Warfare really means, when its lenses are applied to current technology. Without sacrificing accuracy, rigor and, most importantly, the big picture of Information Warfare, this book dives into several relevant and up-to-date critical domains. The authors illustrate how finance (an always green target of Information Warfare) is intertwined with Social Media, and how an opponent could exploit these latter ones to reach its objectives. Also, how cryptocurrencies are going to reshape the economy, and the risks involved by this paradigm shift. Even more compelling is how the very fabric of society is going to be reshaped by technology, for instance how our democratic elections are exposed to risks that are even greater than what appears in the current public discussions. Not to mention how our Critical Infrastructure is becoming exposed to a series of novel threats, ranging from state-supported malware to drones. A detailed discussion of possible countermeasures and what the open issues are for each of the highlighted threats complete this book. This book targets a widespread audience that includes researchers and advanced level students studying and working in computer science with a focus on security. Military officers, government officials and professionals working in this field will also find this book useful as a reference.

" Eight years after the Arab Spring there is still much debate over the link between Internet technology and protest against authoritarian regimes. While the debate has advanced beyond the simple question of whether the Internet is a tool of liberation or one of surveillance and propaganda, theory and empirical data attesting to the circumstances under which technology benefits autocratic governments versus opposition activists is scarce. In this book, Nils B. Weidmann and Espen Geelmuyden R2d offer a broad theory about why and when digital technology is used for one end or another, drawing on detailed empirical analyses of the relationship between the use of Internet technology and protest in autocracies. By leveraging new sub-national data on political protest and Internet penetration, they present analyses at the level of cities in more than 60 autocratic countries. The book also introduces a new methodology for estimating Internet use, developed in collaboration with computer scientists and drawing on large-scale observations of Internet traffic at the local level. Through this data, the authors analyze political protest as a process that unfolds over time and space, where the effect of Internet technology varies at different stages of protest. They show that violent repression and government institutions affect whether Internet technology empowers autocrats or activists, and that the effect of Internet technology on protest varies across different national environments. "--

Data is the base for information, information is needed to have knowledge, and knowledge is used to make decisions and manage 21st century businesses and organizations. Thus, it is imperative to remain up to date on the major breakthroughs within the technological arena in order to continually expand and enhance knowledge for the benefit of all institutions. Information Technology Trends for a Global and Interdisciplinary Research Community is a crucial reference source that covers novel and emerging research in the field of information science and technology, specifically focusing on underrepresented technologies and trends that influence and engage the knowledge society. While highlighting topics that include computational thinking, knowledge management, artificial intelligence, and visualization, this book is essential for academicians, researchers, and students with an interest in information management.

Information Technology Law is the ideal companion for a course of study on IT law and the ways in which it is evolving in response to rapid technological and social change. The third edition of

this ground-breaking textbook develops its unique examination of the legal processes and their relationship to the modern "information society". Charting the development of the rapid digitization of society and its impact on established legal principles, Murray examines thechallenges faced with enthusiasm and clarity. Following a clearly-defined part structure, the text begins by defining the information society and discussing how it may be regulated, before moving on to explore issues of internet governance, privacy and surveillance, intellectual property and rights,and commerce within the digital sphere. Comprehensive and engaging, Information Technology Law takes an original and thought-provoking approach to examining this fast-moving area of law in context. Online Resource Centre: The third edition is supported by a range of online resources, including:* Additional chapters on the Digital Sphere and Virtual Environments* Audio podcasts suitable for revision* Updates to the law post-publication* A flashcard glossary of key terms and concepts* Outline answers to end of chapter questions* A link to the author's blog, The IT Lawyer* Web links

A call for informed, responsible engagement with information technology at the local level. The common rhetoric about technology falls into two extreme categories: uncritical acceptance or blanket rejection. Claiming a middle ground, Bonnie Nardi and Vicki O'Day call for responsible, informed engagement with technology in local settings, which they call information ecologies. An information ecology is a system of people, practices, technologies, and values in a local environment. Nardi and O'Day encourage the reader to become more aware of the ways people and technology are interrelated. They draw on their empirical research in offices, libraries, schools, and hospitals to show how people can engage their own values and commitments while using technology.

Annals of Cases on Information Technology provides a collection of case studies focusing on IT implementation in organizations. The cases included in Volume VI describe successful projects and offer advice on how to achieve these best practices. They also look at IT project failures and describe steps to avoid pitfalls in the path to successful IT utilization. The organizations described in this book represent small businesses, educational institutions, public and private corporations and describe may aspects of IT implementation including, e-commerce endeavors, intelligent technologies, enterprise resource planning and many other facets of emerging IT utilization.

Managing Information Technology Resources in Organizations in the Next Millennium contains more than 200 unique perspectives on numerous timely issues of managing information technology in organizations around the world. This book, featuring the latest research and applied IT practices, is a valuable source in support of teaching and research agendas.

For answers to questions relating to computers, the Internet and other digital technologies - and how to make them work for your clients - turn to this comprehensive, practical resource. Whether you're an experienced IT lawyer, a transactional or intellectual property attorney, an industry executive, or a general practitioner whose clients are coming to you with new issues, you'll find practical, expert guidance on identifying and protecting intellectual property rights, drafting effective contracts, understanding applicable regulations, and avoiding civil and criminal liability. Written by Michael D. Scott, who practiced technology and business law for 29 years in Los Angeles and Silicon Valley, Scott on Information Technology Law, Third Edition offers a real-world perspective on how to structure transactions involving computer products and services such as software development, marketing, and licensing. He also covers the many substantive areas that affect technology law practice, including torts, constitutional issues, and the full range of intellectual property protections. You'll find coverage of the latest issues like these: computer and cybercrime, including spyware, phishing, denial of service attacks, and more traditional computer crimes the latest judicial thinking on software and business method patents open source licensing outsourcing of IT services and the legal and practical issues involved in making it work and more To help you quickly identify issues, the book also includes practice pointers and clause-by-clause analysis of the most common and often troublesome provisions of IT contracts.

From the individual to the largest organization, everyone today has to make investments in IT. Making a smart investment that will best satisfy all the necessary decision-making criteria requires careful and inclusive analysis. This textbook provides an up-to-date, in-depth understanding of the methodologies available to aid in this complex process of multi-criteria decision-making. It guides readers on the process of technology acquisition — what methods to use to make IT investment decisions, how to choose the technology and justify its selection, and how the decision will impact the organization. Unique to this textbook are both financial investment models and more complex decision-making models from the field of management science so that readers can extend the analysis benefits to enhance and confirm their IT investment choices. The wide range of methodologies featured in the book gives readers the opportunity to customize their best-fit solutions for their unique IT decision situation. This textbook is especially ideal for educators and students involved in programs dealing with technology management, operations management, applied finance, operations research, and industrial engineering. A complimentary copy of the 'Instructor's Manual and Test Bank' and the PowerPoint presentations of the text materials are available for all instructors who adopt this book as a course text. Please send your request to sales@wspc.com. Errata(s) Errata (47 KB)

The study of genres the fusion of content, purpose and form of communicative actions stretches back hundreds of years to the beginnings of self-reflective human communication. Greek philosophers and orators recognized that the content of the message is not always its most important aspect; rather, the delivery, the context, and the rhetorical structure all play complementary roles in the subtle but profound act of one human being transferring information to another and thereby creating meaning from that transfer.

"This work is a comprehensive, four-volume reference addressing major issues, trends, and areas for advancement in information management research, containing chapters investigating human factors in IT management, as well as IT governance, outsourcing, and diffusion"--Provided by publisher.