

Enterprise Business Modeling Optimization Techniques And Flexible Information Systems

Various industries in modern society can contribute to many different sustainable development initiatives. By implementing better processes for resource usage and its impacts, businesses can play a vital role in creating a cleaner environment. Ethics and Sustainability in Global Supply Chain Management is a comprehensive reference source for the latest scholarly material on organizational procedures and methods that ensure environmental sustainability, while maintaining effective production processes. Highlighting the most innovative topics and perspectives, such as life cycle costing, waste management, and business leadership, this book is ideally designed for professionals, academics, practitioners, graduate students, and researchers interested in developing green supply chain processes.

The Art of Agile Practice: A Composite Approach for Projects and Organizations presents a consistent, integrated, and strategic approach to achieving "Agility" in your business. Transcending beyond Agile as a software development method, it covers the gamut of methods in an organization-including business processes, governance standards, project ma

As the age of Big Data emerges, it becomes necessary to take the five dimensions of Big Data- volume, variety, velocity, volatility, and veracity- and focus these dimensions towards one critical emphasis - value. The Encyclopedia of Business Analytics and Optimization confronts the challenges of information retrieval in the age of Big Data by exploring recent advances in the areas of knowledge management, data visualization, interdisciplinary communication, and others. Through its critical approach and practical application, this book will be a must-have reference for any professional, leader, analyst, or manager interested in making the most of the knowledge resources at their disposal.

GECON - Grid Economics and Business Models Cloud computing is seen by many people as the natural evolution of Grid computing concepts. Both, for instance, rely on the use of service-based approaches for provisioning compute and data resources. The importance of understanding business models and the economics of distributed computing systems and services has generally remained unchanged in the move to Cloud computing. This understanding is necessary in order to build sustainable e-infrastructure and businesses around this paradigm of sharing Cloud services. Currently, only a handful of companies have created successful businesses around Cloud services. Among these, Amazon and Salesforce (with their offerings of Elastic Compute Cloud and force.com among other offerings) are the most prominent. Both companies understand how to charge for their services and how to enable commercial transactions on them. However, whether a wide-spread adoption of Cloud services will occur has to be seen. One key enabler remains the ability to support suitable business models and charging schemes that appeal to users outsourcing (part of) their internal business functions. The topics that have been addressed by the authors of accepted papers reflect the above-described situation and the need for a better understanding of Grid economics. The topics range from market mechanisms for trading computing resources, capacity planning, tools for modeling economic aspects of service-oriented systems, architectures for handling service level agreements, to models for economically efficient resource allocation.

SPloT-2021 Volume 1

Enterprise Business Modeling, Optimization Techniques, and Flexible Information Systems

Multi-Criteria Decision Analysis in Management

Grid Economics and Business Models

Interdisciplinary Perspectives on Operations Management and Service Evaluation

Wisdom Management Systems Concepts and Applications

This book contains the refereed proceedings of the 13th International Conference on Business Process Modeling, Development and Support (BPMDS 2012) and the 17th International Conference on Exploring Modeling Methods for Systems Analysis and Design (EMMSAD 2012), held together with the 24th International Conference on Advanced Information Systems Engineering (CAISE 2012) in Gdańsk, Poland, in June 2012. The 17 papers accepted for BPMDS were selected from 48 submissions and cover a wide spectrum of issues related to business process development, modeling, and support. They are grouped into sections on business process in the cloud, advanced BPM in an organizational context, similarity, variations and configuration, BPM and requirements engineering, humans and business process models, and BPM technologies using computational methods. The 13 papers accepted for EMMSAD were chosen from 28 submissions and focus on exploring, evaluating, and enhancing current information modeling methods and methodologies. They are grouped in sections on modeling of enterprise architecture, modeling facts and rules, business process modeling, modeling of non-functional requirements, safety modeling and analysis, quality of models and modeling languages, and supporting the learning of conceptual modeling.

This book is a result of the ISD'97, Sixth International Conference on Information Systems Development-Methods and Tools, Theory and Practice held August 11-14, 1997 in Boise, Idaho, USA. The purpose of this Conference was to address the issues facing academia and industry when specifying, developing, managing and improving software systems. The selection of papers was carried out by the International Program Committee. All papers were reviewed in advance by at least three people. Papers were judged according to their originality, relevance and presentation quality. All papers were judged purely on their own merits, independently of other submissions. This year's Information Systems Development Conference-ISD'97 is the first ISD conference being held in the US. ISD was brought into existence almost ten years ago. It continues the fine tradition of the first Polish-Scandinavian Seminar on Current Trends in Information Systems Development Methodologies, held in Gdansk-Poland in 1988. ISD'98 will be held in Bled, Slovenia. ISD'97 consists not only of the technical program represented in these proceedings, but also tutorials on improved software testing and end-user information systems and workshop on sharing knowledge within international high technology industries that are intended for both, the research and business communities. We would like to thank the authors of papers accepted for ISD'97 who all made gallant efforts to provide me with electronic copies of their manuscripts conforming to common guidelines. We thank them for thoughtfully responding to reviewers comments and carefully preparing their final contributions.

This book contains the refereed proceedings of the 12th International Conference on Business Process Modeling, Development and Support (BPMDS 2011) and the 16th International Conference on Exploring Modeling Methods for Systems Analysis and Design (EMMSAD 2011), held together with the 23rd International Conference on Advanced Information Systems Engineering (CAISE 2011) in London, UK, in June 2011. The 22 papers accepted for BPMDS were selected from 61 submissions and cover a wide spectrum of issues related to business processes development, modeling, and support. They are grouped into sections on BPMDS in practice, business process improvement, business process flexibility, declarative process models, variety of modeling paradigms, business process modeling and support systems development, and interoperability and mobility. The 16 papers accepted for EMMSAD were chosen from 31 submissions and focus on exploring, evaluating, and enhancing current information modeling methods and methodologies. They are grouped in sections on workflow and process modeling extensions, requirements analysis and information systems development, requirements evolution and information systems evolution, data modeling languages and business rules, conceptual modeling practice, and enterprise architecture.

This volume constitutes the proceedings of the 4th IFIP WG 8.1 Working Conference on the Practice of Enterprise Modeling, held in Oslo, Norway, during November 2-3, 2011. The conference series is a dedicated forum where the use of enterprise modeling (EM) in practice is addressed by bringing together researchers, users, and practitioners in order to develop a better understanding of the practice of EM, to contribute to improved industrial EM applications, and to share knowledge and experiences. The 18 papers presented were carefully reviewed and selected from 38 submissions. Authored by both researchers and practitioners, they reflect the fact that EM encompasses human, organizational issues as well as technical aspects related to the development of information systems. The papers are organized in five thematic sessions on process modeling, business modeling, enterprise architecture, EM, and model-driven development. In addition, two keynotes on EM in an agile world and on intra- and inter-organizational process mining complete the volume.

Encyclopedia of Business Analytics and Optimization

Technology Optimization and Change Management for Successful Digital Supply Chains

IAENG Transactions on Engineering Sciences

IFIP TC 8 WG 8.9 International Conference on Research and Practical Issues of Enterprise Information Systems (CONFENIS 2007), October 14-16, 2007, Beijing, China

Effects of IT on Enterprise Architecture, Governance, and Growth

Driving Traffic and Customer Activity Through Affiliate Marketing

The expansion of digital data has transformed various sectors of business such as healthcare, industrial manufacturing, and transportation. A new way of solving business problems has emerged through the use of machine learning techniques in conjunction with big data analytics. Deep Learning Innovations and Their Convergence With Big Data is a pivotal reference for the latest scholarly research on upcoming trends in data analytics and potential technologies that will facilitate insight in various domains of science, industry, business, and consumer applications. Featuring extensive coverage on a broad range of topics and perspectives such as deep neural network, domain adaptation modeling, and threat detection, this book is ideally designed for researchers, professionals, and students seeking current research on the latest trends in the field of deep learning techniques in big data analytics.

This volume presents work from the IFIP TC 8 WG 8.9 International Conference on the Research and Practical Issues of Enterprise Information Systems (CONFENIS 2007). Enterprise information systems (EIS) have become increasingly popular. EIS integrate and support business processes across functional boundaries in a supply chain environment. In recent years, more and more enterprises world-wide have adopted EIS such as Enterprise Resource Planning (ERP) for running their businesses.

It is clear that the digital age has fully embraced music production, distribution, and transcendence for a vivid audience that demands more music both in quantity and versatility. However, the evolving world of digital music production faces a calamity of tremendous proportions: the asymmetrically increasing online piracy that devastates radio stations, media channels, producers, composers, and artists, severely threatening the music industry. Digital Tools for Computer Music Production and Distribution presents research-based perspectives and solutions for integrating computational methods for music production, distribution, and access around the world, in addition to challenges facing the music industry in an age of digital access, content sharing, and crime. Highlighting the changing scope of the music industry and the role of the digital age in such transformations, this publication is an essential resource for computer programmers, sound engineers, language and speech experts, legal experts specializing in music piracy and rights management, researchers, and graduate-level students across disciplines.

Organizations, governments, and corporations are all concerned with distributing their goods and services to those who need them most, consequently benefiting in the process. Only by carefully considering the interrelated nature of social systems can organizations achieve the success they strive for. Economics: Concepts, Methodologies, Tools, and Applications explores the interactions between market agents and their impact on global prosperity. Incorporating both theoretical background and advanced concepts in the discipline, this multi-volume reference is intended for policymakers, economists, business leaders, governmental and non-governmental organizations, and students of economic theory.

The Practice of Enterprise Modeling

Selected Papers from the Seventh International Baltic Conference, DB&IS'2006

Special Issue for the International Association of Engineers Conferences 2016 Volume II

12th EAI International Conference, SIMUtools 2020, Guiyang, China, August 28-29, 2020, Proceedings, Part II

The 2021 International Conference on Machine Learning and Big Data Analytics for IoT Security and Privacy

Ethics and Sustainability in Global Supply Chain Management

"This publication contains papers that present original results in business modeling and enterprise engineering, database research, data engineering, data quality and data analysis, IS engineering, Web engineering, and application of AI methods. The contributions are from academics and practitioners from the entire world. We hope that the presented results will contribute to the further development of research in DB and IS field. The conference where these papers were presented has been approved by the IEEE Communication Society for Technical Cosponsorship. All papers have been extended significantly and rewritten completely. They have been reviewed by at least 3 reviewers from different countries who evaluated their originality, significance, relevance, and presentation and found their quality suitable for the publication in this volume."

This is the final report of a two-year, Laboratory Directed Research and Development (LDRD) project at the Los Alamos National Laboratory (LANL). The objective of the project is to combine detailed physical models of industrial processes with unit operations and business-level models. This would allow global and individual process control schemes to be implemented that would facilitate improved overall system performance. Intelligent decision support that employs expert system concepts (knowledge base and rules) could then also be incorporated. This project is innovative because it attempts to incorporate all levels of production-related activities from atoms to enterprise, and to integrate those activities into one comprehensive decision support tool. This project is an interdisciplinary effort requiring enterprise modeling and simulation model integration; process modeling and control; process control and optimization; chemical process modeling; and detailed molecular-level models. It represents the state of the art in enterprise modeling and simulation and incorporates cutting edge process modeling, process control, and system optimization techniques.

Multi-criteria decision making (MCDM) has been extensively used in diverse disciplines, with a variety of MCDM techniques used to solve complex problems. A primary challenge faced by research scholars is to decode these techniques using detailed step-by-step analysis with case studies and data sets. The scope of such work would help decision makers to understand the process of using MCDM techniques appropriately to solve complex issues without making mistakes. Multi-Criteria Decision Analysis in Management provides innovative insights into the rationale behind using MCDM techniques to solve decision-making problems and provides comprehensive discussions on these techniques from their inception, development, and growth to their advancements and applications. The content within this publication examines hybrid multicriteria models, value theory, and data envelopment. Ideal for researchers, management professionals, students, operations scholars, and academicians, this scholarly work supports and enhances the decision-making process.

Service computing is a cross-disciplinary field that covers science and technology, and represents a promising direction for distributed computing and software development methodologies. It aims to bridge the gap between business services and IT services by supporting the whole lifecycle of services innovation. Over the last ten years applications in industry and academic research have produced considerable progress and success Service Computing: Concept, Method and Technology presents the concept of service computing and a proposed reference architecture for service computing research before proceeding to introduce two underlying technologies: Web services and service-oriented architecture. It also presents the authors' latest research findings on hot topics such as service discovery, recommendation, composition, verification, service trust, dynamic configuration and big data service. Some new models and methods are proposed including three service discovery methods based on semantics and skyline technologies, two service recommendation methods using graph mining and QoS prediction, two service composition methods with graph planning and one service verification method using π calculus and so on. Moreover, this book introduces JTang, an underlying platform supporting service computing, which is a product of the authors' last ten years of research and development. Systematically reviews all the research on service computing Introduces state-of-art research works on service computing and provides a road map for future directions Bridges the gap between service computing theory and practice Provides guidance for both industry and academia

4th IFIP WG 8.1 Working Conference, PoEM 2011 Oslo, Norway, November 2-3, 2011 Proceedings

Service Computing: Concept, Method and Technology

Artificial Intelligence and Computing Logic

Research and Practical Issues of Enterprise Information Systems II Volume 2

Sustainable Practices: Concepts, Methodologies, Tools, and Applications

The Art of Agile Practice

" This book examines the implications of pervasive computing from an operational, legal and ethical perspective, so that current and future e-business managers can make responsible decisions about where, when and how to use this technology"--Provided by publisher.

Many factors can impact large-scale enterprise management systems, and maintaining these systems can be a complicated and challenging process. Therefore, businesses can benefit from an assortment of models and management styles to track and collect data for processes. Enterprise Business Modeling, Optimization Techniques, and Flexible Information Systems supplies a wide array of research on the intersections of business modeling, information systems, and optimization techniques. These various business models and structuring methods are proposed to provide ideas, methods, and points of view for managers, practitioners, entrepreneurs, and researchers on how to improve business processes.

As technology continues to evolve in organizations, it is vital to understand the impact that these advances will have on different aspects of the business environment as well as the opportunity for further improvement. Effects of IT on Enterprise Architecture, Governance, and Growth explores the influence of emerging technology on different viewpoints associated with contemporary enterprise. Emphasizing an interdisciplinary approach to the comprehension of organizational structure and dynamics, this book is an inclusive reference source for enterprise analysts, business managers, and IT managers, as well as upper-level students interested in a new framework for understanding business enterprise in the new digital era.

"This book offers insights into issues, challenges, and solutions related to the successful application and management aspects of electronic business, providing a comprehensive framework for researchers and practitioners in understanding the growing demand of e-business research"--Provided by publisher.

Trends and Applications

Strategic Utilization of Information Systems in Small Business

Cognitive Technology for AI Business Analytics

9th International Conference, CSCWD 2005, Coventry, UK, May 24-26, 2005, Revised Selected Papers

Third IFIP WG 8.1 Working Conference, PoEM 2010, Delft, The Netherlands, November 9-10, 2010, Proceedings

Small and Medium Enterprises

In the age of corporate responsibility, green technology and sustainability continue to grip the consciousness of businesses. However, the development of appropriate business-driven green computing applications requires an awareness of the green agenda. Green Computing Strategies for Competitive Advantage and Business Sustainability provides emerging research on maintaining an eco-friendly environment regarding cloud computing and promoting reusability. While highlighting competitive advantages, power consumption, and project evaluation, readers will learn about various techniques for reducing energy consumption in cloud performance and information technology systems. This book is a vital resource for a researchers, students, professionals, and managers interested in novel trends in green computing applications and technology.

"This book supplies a wide array of research on the intersections of business modeling, information systems, and optimization techniques, offering various business models and structuring methods"..Provided by publisher.

This book contains all refereed papers accepted during the fourth asia-pacific edition & twelve edition - which were merged this year - of the CSD&M conference that took place in Beijing, People's Republic of China by 2021. Mastering complex systems requires an integrated understanding of industrial practices as well as sophisticated theoretical techniques and tools. This explains the creation of an annual go-between European and Asian forum dedicated to academic researchers & industrial practitioners working on complex industrial systems architecting, modeling & engineering. These proceedings cover the most recent trends in the emerging field of complex systems, both from an academic and professional perspective. A special focus was on "Digital Transformation in Complex Systems Engineering". CESAM Community The CSD&M series of conferences are organized under the guidance of CESAM Community, managed by CESAMES. CESAM Community aims in organizing the shared good practices in systems architecting and model-based systems engineering (MBSE) and certifying the level of knowledge and proficiency in this field through the CESAM certification. The CESAM systems architecting & model-based systems engineering (MBSE) certification is especially currently the most disseminated professional certification in the world in this domain through more than 1,000 real complex system development projects on which it was operationally deployed and around which who were trained on the CESAM framework at international level.

This volume constitutes the proceedings of the Third IFIP WG 8.1 Working Conference on the Practice of Enterprise Modeling, held in Delft, The Netherlands, during November 9-10, 2010. The goal of the conference is both to foster a better understanding of the practice of enterprise modeling and to improve its theoretical foundations. The 17 papers presented were carefully reviewed and selected from 44 submissions. They reflect the trend for both practitioners and academics to look into different conceptualizations addressing dedicated business-oriented topics like business intelligence or domain-driven process families, and thus reach beyond traditional information systems engineering.

Trends in E-Business, E-Services, and E-Commerce: Impact of Technology on Goods, Services, and Business Transactions

12th International Conference, BPMDS 2011, and 16th International Conference, EMMSAD 2011, held at CAISE 2011, London, UK, June 20-21, 2011. Proceedings

Management Science, Logistics, and Operations Research

Impact of Technology on Goods, Services, and Business Transactions

Databases and Information Systems IV

Economics: Concepts, Methodologies, Tools, and Applications

There are a number of books on computational intelligence (CI), but they tend to cover a broad range of CI paradigms and algorithms rather than provide an in-depth exploration in learning and adaptive mechanisms. This book sets its focus on CI based architectures, modeling, case studies and applications in big data analytics, and business intelligence. The intended audiences of this book are scientists, professionals, researchers, and academicians who deal with the new challenges and advances in the specific areas mentioned above. Designers and developers of applications in these areas can learn from other experts and colleagues through this book.

Focusing on the cutting-edge applications of AI cognitive computing from neuromorphic to quantum cognition as applied to AI business analytics, this new volume explores AI's importance in managing cognitive processes along with ontological modeling concepts for venturing into new business frontiers. The volume presents a selection of significant new accomplishments in the areas of AI cognitive computing ranging from neurocognition perception and decision-making in the human brain—combining neurocognitive techniques and effective computing—to basic facial recognition computing models. Topics include: Agent neurocomputing techniques for facial expression recognition Computing haptic motion and ontology epistemic Characterizations of morph schemas for visual analytics Learning and perceptive computing Functional and structural neuroimaging modeling Observed links between facial recognition and affective emotional processes Interaction of cognitive and emotional processes during social decision-making Neurocognitive processing of emotional facial expressions in individuals Neurocognitive affective system for emotive robot androids Virtual reality-based affect adaptive neuromorphic computing Executive surveys indicate that cognitive adoption is very important in business strategy for success and to remain competitive. Employing cognitive-based processes provides the way to get the right information in the right hands at the right time, which is the key to winning in the digital era and to driving business value that emphasizes competitive differentiation. Several chapters of the volume address the goal of using cognitive technology to improve search capabilities, to provide personalized customer service in business and in health and wellness, and to create better workflow management. Key features: Looks at the newest frontiers on very popular AI and analytics topics Discusses new techniques for visual analytics and data filtering Shows how AI and cognitive science merges with quantum neurocognitive computing Presents ontology models with ontology preservation data filtering techniques Provides a cross-transposition on AI and digitizations for business model innovations Artificial Intelligence and Computing Logic: Cognitive Technology for AI Business Analytics is a valuable resource that informs businesses and other enterprises the value of artificial intelligence and computing logic applications. "This book examines related research in decision, management, and other behavioral sciences in order to exchange and collaborate on information among business, industry, and government, providing innovative theories and practices in operations research"--Provided by publisher.

"This book provides a comprehensive collection of research on current technological developments and organizational perspectives on the scale of small and medium enterprises"--Provided by publisher.

Enterprise, Business-Process and Information Systems Modeling

Proceedings of the 4th International Conference on Complex Systems Design & Management Asia and of the 12th Conference on Complex Systems Design & Management CSD&M 2021

Computational Intelligence Applications in Business Intelligence and Big Data Analytics

A Framework for Hierarchical, Object-oriented Simulation Modeling of a Steel Manufacturing Enterprise

Computer Supported Cooperative Work in Design II

Digital Tools for Computer Music Production and Distribution

Companies across different industries are launching technology-enabled (digital) business transformation programs to improve their strategic, tactical, and operational supply chain processes. The greatest challenges that they are facing include the lack of preparation and knowledge of the digital transformation life cycle and poorly addressing or neglecting the "people-related" aspects of them. Therefore, improvement initiatives have been short-lived or incomplete, and expected business benefits have not been achieved or materialized. Technology Optimization and Change Management for Successful Digital Supply Chains is a pivotal reference source that provides vital research on the application of digital business transformation programs to improve strategic, tactical, and operational supply chain processes. While highlighting topics such as maturity models, predictive analysis, and communication planning, this publication explores the limited literature in the field of digital supply chain optimization and business transformation, and complements it with practical and proven tactics from the industry. This book is ideally designed for program managers, engineers, students, and practitioners seeking current research on the field's latest best practices on digital supply chain enablement.

Technological developments have created new opportunities for contemporary businesses. Online stores can now utilize a specific branch of marketing in order to maximize the revenue of their business and increase website traffic. Driving Traffic and Customer Activity Through Affiliate Marketing is an essential reference publication highlighting the latest scholarly research on the method of increasing online business traffic and sales by external referrals. Featuring extensive coverage on a broad range of topics and perspectives such as networking, program management, and customer satisfaction, this book is ideally designed for academicians, practitioners, and students seeking current information on ways to increase customer activity.

This book presents the proceedings of the 2020 2nd International Conference on Machine Learning and Big Data Analytics for IoT Security and Privacy (SPIoT-2021), online conference, on 30 October 2021. It provides comprehensive coverage of the latest advances and trends in information technology, science and engineering, addressing a number of broad themes, including novel machine learning and big data analytics methods for IoT security, data mining and statistical modelling for the secure IoT and machine learning-based security detecting protocols, which inspire the development of IoT security and privacy technologies. The contributions cover a wide range of topics: analytics and machine learning applications to IoT security; data-based metrics and risk assessment approaches for IoT; data confidentiality and privacy in IoT; and authentication and access control for data usage in IoT. Outlining promising future research directions, the book is a valuable resource for students, researchers and professionals and provides a useful reference guide for newcomers to the IoT security and privacy field.

This book constitutes the thoroughly refereed post-proceedings of the 9th International Conference on Computer Supported Cooperative Work in Design, CSCWD 2005, held in Coventry, UK, in May 2005. The 65 revised full papers presented were carefully reviewed and selected from numerous submissions during at least two rounds of reviewing and improvement.

13th International Conference, BPMDS 2012, 17th International Conference, EMMSAD 2012, and 5th EuroSymposium, held at CAISE 2012, Gdańsk, Poland, June 25-26, 2012, Proceedings

Complex Systems Design & Management

Optimal Knowledge Management: Wisdom Management Systems Concepts and Applications

A Composite Approach for Projects and Organizations

Concepts, Methodologies, Tools, and Applications

Pervasive Computing for Business: Trends and Applications

This two-volume set constitutes the refereed post-conference proceedings of the 12th International Conference on Simulation Tools and Techniques, SIMUTools 2020, held in Guiyang, China, in August 2020. Due to COVID-19 pandemic the conference was held online. The papers were carefully selected from 354 submissions. The papers focus on simulation methods, simulation techniques, simulation software, simulation performance, modeling formalisms, simulation verification and widely used frameworks.

Optimization and evaluation are essential to the operations of several sectors such as the healthcare sector and the agriculture industry. Improvement of optimizations and evaluation are imperative for industry success and ensures that better services are provided. Interdisciplinary Perspectives on Operations Management and Service Evaluation is a critical scholarly publication that focuses on operations management across several sectors and assessment strategies for the improvement of these industries. Featuring a range of services, and metaheuristics, this book is ideal for managers, service evaluators, marketers, academicians, business professionals, researchers, practitioners, and students.

The burning of fossil fuels and emission of greenhouse gasses critically impacts the global environment. By utilizing better techniques and process, businesses can aid in the journey to an economic, sustainable, and environmentally-friendly future for generations. Energy Initiatives: Emerging Research and Opportunities is an essential reference source for the latest scholarly perspectives on present and future business models in the renewable energy sector. Featuring coverage on a range of perspectives and topics such as energy systems, and risk assessment, this book is designed for academicians, students, and researchers seeking current scholarly research on green business opportunities for renewable energy.

"This reference explores some of the most recent developments in sustainability, delving into topics beyond environmental science to cover issues of sustainable economic, political, and social development"--Provided by publisher.

Systems Development Methods for the Next Century

Emerging Research and Opportunities

Business Models for Renewable Energy Initiatives: Emerging Research and Opportunities

Green Computing Strategies for Competitive Advantage and Business Sustainability

6th International Workshop, GECON 2009, Delft, The Netherlands, August 24, 2009, Proceedings

12th International Conference, BPMDS 2011, and 16th International Conference, EMMSAD 2011, Held at CAISE 2011, London, UK, June 20-21, 2011. Proceedings

Two large international conferences on Advances in Engineering Sciences were held in London, UK, 29 June - 1 July, 2016, under the World Congress on Engineering (WCE 2016), and San Francisco, USA, 19-21 October, 2016, under the World Congress on Engineering and Computer Science (WCECS 2016) respectively. This volume contains 42 revised and extended research articles written by prominent researchers participating in the conferences. Topics covered include electrical engineering, manufacturing engineering, industrial engineering, computer science, engineering mathematics and industrial applications. The book offers state-of-the-art advances in engineering sciences and also serves as an excellent reference work for researchers and graduate students working with/on engineering sciences.

"This book outlines a new way of approaching the development and implementation of information systems. Not only does the book explore a different approach to determining an organization's opportunities and solving its problems, but it also highlights methods for optimal decision making"--Provided by publisher.

The small business is an often underestimated asset of both the modern economy and the commercial workforce. Those employed by small businesses make up a large percentage of both the U.S. and Canadian populations, and with the internet and other technologies connecting us like never before, the opportunity is present for even the smallest company to reach a global scale. Strategic Utilization of Information Systems in Small Business explores the possibilities not just in expanding a business, but in assisting a business in meeting its full potential, no matter its size. Including a variety of perspectives on what it means to be a small business and how to bring that business to maturity, this book is an essential reference source for small business owners, managers, and employees, as well as students, researchers, and aspiring entrepreneurs. This publication features chapters on the different aspects of management processes, e-commerce, and e-businesses, including the characteristics of a smart entrepreneur, success vs. failure, longevity, technology adoption, the types of different information systems and how to implement them, data and decision making, theories for investigating small businesses, business strategy, and competitive advantage.

Deep Learning Innovations and Their Convergence With Big Data

Simulation Tools and Techniques