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Management: the Essentials

- Stephen Robbins 2013-08-28
Robbins Management: The Essentials covers the concepts essential to management in the 21st century in a fresh, lively format that's perfectly suited to a typical university semester. The second edition features new and in-depth coverage of sustainability, ethics and corporate social responsibility and new case studies from local and international businesses.

Emotional Intelligence in Tourism and Hospitality

- Erdogan Koc 2019-04-16

Creativity in Intelligent Technologies and Data Science

- Alla Kravets 2017-08-28

This book constitutes the refereed proceedings of the Second Conference on Creativity in Intelligent Technologies and Data Science, CIT&DS 2017, held in Volgograd, Russia, in September 2017. The 58 revised full papers and two keynote papers presented were carefully reviewed and selected

from 194 submissions. The papers are organized in topical sections on Knowledge Discovery in Patent and Open Sources for Creative Tasks; Open Science Semantic Technologies; Computer Vision and Knowledge-Based Control; Pro-Active Modeling in Intelligent Decision Making Support; Data Science in Energy Management and Urban Computing; Design Creativity in CASE/CAI/CAD/PDM; Intelligent Internet of Services and Internet of Things; Data Science in Social Networks Analysis; Creativity and Game-Based Learning; Intelligent Assistive Technologies: Software Design and Application.

Intelligent Decision-making Support Systems

- Jatinder N.D. Gupta 2007-03-30

This book will be bought by researchers and graduates students in Artificial Intelligence and management as well as practising managers and consultants interested in the application of IT and information systems in real

business environment.

Hybrid Artificial Intelligence Systems - Emilio Corchado 2009-06-02

This volume constitutes the refereed proceedings of the 4th International Workshop on Hybrid Artificial Intelligence Systems, HAIS 2009, held in Salamanca, Spain, in June 2009. The 85 papers presented, were carefully reviewed and selected from 206 submissions. The topics covered are agents and multi agents systems, HAIS applications, cluster analysis, data mining and knowledge discovery, evolutionary computation, learning algorithms, real world HAIS applications and data uncertainty, hybrid artificial intelligence in bioinformatics, evolutionary multiobjective machine learning, hybrid reasoning and coordination methods on multi-agent systems, methods of classifiers fusion, knowledge extraction based on evolutionary learning, hybrid systems based on bioinspired algorithms and argumentation methods, hybrid evolutionary intelligence in

financial engineering.

Artificial Intelligence in Project Management and Making Decisions - Pedro Y. Piñero Pérez

This book presents new developments and advances in the theory, applications, and design methods of computational intelligence, integrated in various areas of project management and BIM environments. The chapters of the book span different soft computing techniques, such as: linguistic data summarization, fuzzy systems, evolutionary algorithms, estimation distribution algorithms, computing with words, augmented reality, and hybrid intelligence systems. In addition, different applications of the neutrosophic theory are presented for the treatment of uncertainty and indeterminacy in decision-making processes. Several chapters of the book constitute systematic reviews, useful for future investigations in the following topics: linguistic summarization of data, augmented reality, and the development of BIM

technologies. It is a particularly interesting book for engineers, researchers, specialists, teachers, and students related to project management and the development of BIM technologies.

Mindful Leadership - Michael H. Dickmann 2008-10-23
Unleash the power of the leadership-brain connection!
Offering an approach compatible with the ways individuals naturally process information and learn, this updated edition of Connecting Leadership to the Brain links knowledge about the physiological, social, emotional, constructive, reflective, and dispositional nature of the brain to compatible leadership practice. Leaders will find specific examples and reflection exercises focused on how to: Support the mind-body connection Promote social relationships Harness the power of emotion Expedite the construction of knowledge Build a culture of reflection Cultivate productive dispositions of mind

Quality Control - Pengzhong

Li 2021-03-24

Quality control is changing along with the manufacturing environment. A series of revolutionary changes will occur in management contents, methods, capabilities, and real-time effectiveness and efficiency of management. As an essential factor in intelligent manufacturing, quality control systems require real and comprehensive innovation. Focused on new trends and developments in quality control from a worldwide perspective, this book presents the latest information on novel approaches in quality control. Its thirteen chapters cover three topics: intelligent manufacturing, robust design, and control charts.

Environmental Science and Information Application Technology - David Chan 2015-06-29

Environmental Science and Information Application Technology contains selected papers from the 2014 5th International Conference on Environmental Science and Information Application

Technology (ESIAT 2014, Hong Kong, 7-8 November 2014).

The book covers a wide variety of topics: - Global

Environmental Change and

Ecosystems Management -

Graphic and I

**Intelligent Systems:
Concepts, Methodologies,
Tools, and Applications -**

Management Association,

Information Resources

2018-06-04

Ongoing advancements in modern technology have led to significant developments in intelligent systems. With the numerous applications available, it becomes imperative to conduct research and make further progress in this field. **Intelligent Systems: Concepts, Methodologies, Tools, and Applications** contains a compendium of the latest academic material on the latest breakthroughs and recent progress in intelligent systems. Including innovative studies on information retrieval, artificial intelligence, and software engineering, this multi-volume book is an ideal source for researchers,

professionals, academics, upper-level students, and practitioners interested in emerging perspectives in the field of intelligent systems.

Business Intelligence - Corine Cohen 2013-03-04

Following a long process of qualitative, quantitative, and empirical research next to Strategic Intelligence (SI) experts and large companies, this book proposes a way to improve SI and its impact on the performance of an organization. From an exploration, description and evaluation model of SI, a measurement tool in two parts has been built. For all kind of firms and all advancement levels of SI, it explains the construction of a control panel which can be used to pilot SI and its impact on the performance of an organization.

**Toward Humanoid Robots:
The Role of Fuzzy Sets -**
Cengiz Kahraman 2021-04-04

This book offers a comprehensive reference guide for modeling humanoid robots using intelligent and fuzzy

systems. It provides readers with the necessary intelligent and fuzzy tools for controlling humanoid robots by incomplete, vague, and imprecise information or insufficient data, where classical modeling approaches cannot be applied. The respective chapters, written by prominent researchers, explain a wealth of both basic and advanced concepts including fuzzy control, metaheuristic-based control, neutrosophic control, etc. To foster reader comprehension, all chapters include relevant numerical examples or case studies. Taken together, they form an excellent reference guide for researchers, lecturers, and postgraduate students pursuing research on humanoid robots. Moreover, by extending all the main aspects of humanoid robots to its intelligent and fuzzy counterparts, the book presents a dynamic snapshot of the field that is expected to stimulate new directions, ideas, and developments.

Intelligent Decision Making

in Quality Management -

Cengiz Kahraman 2015-10-31

This book presents recently developed intelligent techniques with applications and theory in the area of quality management. The involved applications of intelligence include techniques such as fuzzy sets, neural networks, genetic algorithms, etc. The book consists of classical quality management topics dealing with intelligent techniques for solving the complex quality management problems. The book will serve as an excellent reference for quality managers, researchers, lecturers and postgraduate students in this area. The authors of the chapters are well-known researchers in the area of quality management.

Decision Support Systems -

Daniel J. Power 2002

For MIS specialists and nonspecialists alike, a comprehensive, readable, understandable guide to the concepts and applications of decision support systems.

Computer Science and Artificial Intelligence -

National Research Council
1997-06-10

The focus of this report is on artificial intelligence (AI) and human-computer interface (HCI) technology.

Observations, conclusions, and recommendations regarding AI and HCI are presented in terms of six grand challenge areas which serve to identify key scientific and engineering issues and opportunities.

Chapter 1 presents the panel's definitions of these and related terms. Chapter 2 presents the panel's general observations and recommendations regarding AI and HCI. Finally, Chapter 3 discusses computer science, AI, and HCI in terms of the six selected "grand challenge" areas and three time horizons, that is, short term (within the next 2 years), midterm (2 to 6 years), and long term (more than 6 years from now) and presents additional recommendations in these areas.

Uncertainty in Artificial Intelligence 5 - R.D. Shachter
2017-03-20

This volume, like its

predecessors, reflects the cutting edge of research on the automation of reasoning under uncertainty. A more pragmatic emphasis is evident, for although some papers address fundamental issues, the majority address practical issues. Topics include the relations between alternative formalisms (including possibilistic reasoning), Dempster-Shafer belief functions, non-monotonic reasoning, Bayesian and decision theoretic schemes, and new inference techniques for belief nets. New techniques are applied to important problems in medicine, vision, robotics, and natural language understanding.

Intelligent Knowledge - Yong Shi
2015-05-08

This book is mainly about an innovative and fundamental method called "intelligent knowledge" to bridge the gap between data mining and knowledge management, two important fields recognized by the information technology (IT) community and business analytics (BA) community

respectively. The book includes definitions of the “first-order” analytic process, “second-order” analytic process and intelligent knowledge, which have not formally been addressed by either data mining or knowledge management. Based on these concepts, which are especially important in connection with the current Big Data movement, the book describes a framework of domain-driven intelligent knowledge discovery. To illustrate its technical advantages for large-scale data, the book employs established approaches, such as Multiple Criteria Programming, Support Vector Machine and Decision Tree to identify intelligent knowledge incorporated with human knowledge. The book further shows its applicability by means of real-life data analyses in the contexts of internet business and traditional Chinese medicines.

Handbook of Industrial Engineering - Gavriel Salvendy
2001-05-25

Unrivalled coverage of a broad

spectrum of industrial engineering concepts and applications The Handbook of Industrial Engineering, Third Edition contains a vast array of timely and useful methodologies for achieving increased productivity, quality, and competitiveness and improving the quality of working life in manufacturing and service industries. This astoundingly comprehensive resource also provides a cohesive structure to the discipline of industrial engineering with four major classifications: technology; performance improvement management; management, planning, and design control; and decision-making methods. Completely updated and expanded to reflect nearly a decade of important developments in the field, this Third Edition features a wealth of new information on project management, supply-chain management and logistics, and systems related to service industries. Other important features of this essential reference include: * More than

1,000 helpful tables, graphs, figures, and formulas * Step-by-step descriptions of hundreds of problem-solving methodologies * Hundreds of clear, easy-to-follow application examples * Contributions from 176 accomplished international professionals with diverse training and affiliations * More than 4,000 citations for further reading

The Handbook of Industrial Engineering, Third Edition is an immensely useful one-stop resource for industrial engineers and technical support personnel in corporations of any size; continuous process and discrete part manufacturing industries; and all types of service industries, from healthcare to hospitality, from retailing to finance. Of related interest . . . HANDBOOK OF HUMAN FACTORS AND ERGONOMICS, Second Edition Edited by Gavriel Salvendy (0-471-11690-4) 2,165 pages 60 chapters "A comprehensive guide that contains practical knowledge and technical background on virtually all aspects of physical, cognitive,

and social ergonomics. As such, it can be a valuable source of information for any individual or organization committed to providing competitive, high-quality products and safe, productive work environments."-John F. Smith Jr., Chairman of the Board, Chief Executive Officer and President, General Motors Corporation (From the Foreword)

Artificial Intelligence and Soft Computing, Part II - Leszek Rutkowski 2010-06-18

This volume constitutes the proceedings of the 10th International Conference on Artificial Intelligence and Soft Computing, ICAISC'2010, held in Zakopane, Poland in June 13-17, 2010. The articles are organized in topical sections on Fuzzy Systems and Their Applications; Data Mining, Classification and Forecasting; Image and Speech Analysis; Bioinformatics and Medical Applications (Volume 6113) together with Neural Networks and Their Applications; Evolutionary Algorithms and Their Applications; Agent

System, Robotics and Control; Various Problems of Artificial Intelligence (Volume 6114).

Business Intelligence: Concepts, Methodologies, Tools, and Applications - Management Association, Information Resources 2015-12-29

Data analysis is an important part of modern business administration, as efficient compilation of information allows managers and business leaders to make the best decisions for the financial solvency of their organizations. Understanding the use of analytics, reporting, and data mining in everyday business environments is imperative to the success of modern businesses. Business Intelligence: Concepts, Methodologies, Tools, and Applications presents a comprehensive examination of business data analytics along with case studies and practical applications for businesses in a variety of fields and corporate arenas. Focusing on topics and issues such as critical success factors, technology adaptation,

agile development approaches, fuzzy logic tools, and best practices in business process management, this multivolume reference is of particular use to business analysts, investors, corporate managers, and entrepreneurs in a variety of prominent industries.

Modern Global Economic System: Evolutional Development vs. Revolutionary Leap - Elena G. Popkova 2021-03-16

This proceedings book reflects the alternative way of development of the modern global economic system. It sets evolutionary development in opposition to revolutionary leap. The search for the best way to develop the world economy in the present and future is carried out. The social environment and the human-centered development of the modern global economic system have been explored. The features of training of personnel for the modern global economic system through the development of vocational education and training have been studied.

Sustainable development, energy and food security have been identified as significant milestones of the progress of the modern global economic system. Innovations and digital technologies have been suggested as the drivers of growth and development of the modern global economic system. Consideration has been given to the institutional framework and legal groundwork for the development of the modern global economic system. The fundamentals have been identified and recommendations have been put forward for improving governmental regulation, financial and capital investment support for integration in the modern global economic system. The book includes the best works based on the results of the 22nd International Research-to-Practice Conference “Current Issues of the Global Economy” which was held on June 19, 2020, at the Peoples’ Friendship University of Russia (PFUR) (Moscow, Russia) and

the 14th National Research-to-Practice Conference “A New Paradigm of Social and Economic Development in the Age of Intelligent Machines,” which was held on May 14-16, 2020 (Nizhny Novgorod, Russia), VIII International Research-to-Practice Conference “Multipolar Globalization and Russia,” which was held on May 21-23, 2020 (Rostov-on-Don, Russia), III All-Russian Research-to-Practice Conference “Power, Business, and Education: The Ascent to Man,” which was held on May 21-22, 2020 (Krasnoyarsk, Russia), International Research-to-Practice Conference “Current Issues and Ways of Industrial Development: Engineering and Technologies,” which was held from September 28, 2020, till October 1, 2020 (Komsomolsk-on-Amur), and the 15th National Research-to-Practice Conference “New Models of Behavior of Market Players in the Conditions of Digital Economy,” which was held on October 29-30, 2020, at Ufa State Oil Technical University,

Institute of Economics and Service (Ufa, Russia). The target audience of the book consists of scholars studying the features of development of the global economic system at the present stage and the prospects for its future progress.

Multiple Attribute Decision Making - Gwo-Hshiung Tzeng
2011-06-22

Decision makers are often faced with several conflicting alternatives. How do they evaluate trade-offs when there are more than three criteria? To help people make optimal decisions, scholars in the discipline of multiple criteria decision making (MCDM) continue to develop new methods for structuring preferences and determining the correct relative weights for criteria. A compilation of modern decision-making techniques, *Multiple Attribute Decision Making: Methods and Applications* focuses on the fuzzy set approach to multiple attribute decision making (MADM). Drawing on their experience, the authors bring

together current methods and real-life applications of MADM techniques for decision analysis. They also propose a novel hybrid MADM model that combines DEMATEL and analytic network process (ANP) with VIKOR procedures. The first part of the book focuses on the theory of each method and includes examples that can be calculated without a computer, providing a complete understanding of the procedures. Methods include the analytic hierarchy process (AHP), ANP, simple additive weighting method, ELECTRE, PROMETHEE, the gray relational model, fuzzy integral technique, rough sets, and the structural model. Integrating theory and practice, the second part of the book illustrates how methods can be used to solve real-world MADM problems. Applications covered in the book include: AHP to select planning and design services for a construction project TOPSIS and VIKOR to evaluate the best alternative-fuel vehicles for urban areas ELECTRE to solve network

design problems in urban transportation planning PROMETEE to set priorities for the development of new energy systems, from solar thermal to hydrogen energy Fuzzy integrals to evaluate enterprise intranet web sites Rough sets to make decisions in insurance marketing Helping readers understand how to apply MADM techniques to their decision making, this book is suitable for undergraduate and graduate students as well as practitioners.

Handbook of Computational Intelligence in

Manufacturing and Production Management -

Laha, Dipak 2007-11-30
During the last two decades, computer and information technologies have forced great changes in the ways businesses manage operations in meeting the desired quality of products and services, customer demands, competition, and other challenges. The Handbook of Computational Intelligence in Manufacturing and Production Management focuses on new developments

in computational intelligence in areas such as forecasting, scheduling, production planning, inventory control, and aggregate planning, among others. This comprehensive collection of research provides cutting-edge knowledge on information technology developments for both researchers and professionals in fields such as operations and production management, Web engineering, artificial intelligence, and information resources management.

Handbook of Research on Artificial Intelligence - Techniques and Algorithms -

Vasant, Pandian 2014-11-30
For decades, optimization methods such as Fuzzy Logic, Artificial Neural Networks, Firefly, Simulated annealing, and Tabu search, have been capable of handling and tackling a wide range of real-world application problems in society and nature. Analysts have turned to these problem-solving techniques in the event during natural disasters and chaotic systems research. The

Handbook of Research on Artificial Intelligence Techniques and Algorithms highlights the cutting edge developments in this promising research area. This premier reference work applies Meta-heuristics Optimization (MO) Techniques to real world problems in a variety of fields including business, logistics, computer science, engineering, and government. This work is particularly relevant to researchers, scientists, decision-makers, managers, and practitioners.

Intelligent Decision Making in Quality Management -

Cengiz Kahraman 2015-11-12

This book presents recently developed intelligent techniques with applications and theory in the area of quality management. The involved applications of intelligence include techniques such as fuzzy sets, neural networks, genetic algorithms, etc. The book consists of classical quality management topics dealing with intelligent techniques for solving the complex quality management

problems. The book will serve as an excellent reference for quality managers, researchers, lecturers and postgraduate students in this area. The authors of the chapters are well-known researchers in the area of quality management.

Computational Intelligence in Industrial Application -

Yanglv Ling 2015-07-28

These proceedings of the 2014 Pacific-Asia Workshop on Computational Intelligence in Industrial Application (CIIA 2014) include 81 peer-reviewed papers. The topics covered in the book include: (1) Computer Intelligence, (2) Application of Computer Science and Communication, (3) Industrial Engineering, Product Design and Manufacturing, (4) Automatio

Business Intelligence and Performance Management -

Peter Rausch 2013-02-15

During the 21st century business environments have become more complex and dynamic than ever before. Companies operate in a world of change influenced by globalisation, volatile markets,

legal changes and technical progress. As a result, they have to handle growing volumes of data and therefore require fast storage, reliable data access, intelligent retrieval of information and automated decision-making mechanisms, all provided at the highest level of service quality. Successful enterprises are aware of these challenges and efficiently respond to the dynamic environment in which their business operates. Business Intelligence (BI) and Performance Management (PM) offer solutions to these challenges and provide techniques to enable effective business change. The important aspects of both topics are discussed within this state-of-the-art volume. It covers the strategic support, business applications, methodologies and technologies from the field, and explores the benefits, issues and challenges of each. Issues are analysed from many different perspectives, ranging from strategic management to data technologies, and the

different subjects are complimented and illustrated by numerous examples of industrial applications. Contributions are authored by leading academics and practitioners representing various universities, research centres and companies worldwide. Their experience covers multiple disciplines and industries, including finance, construction, logistics, and public services, amongst others. Business Intelligence and Performance Management is a valuable source of reference for graduates approaching MSc or PhD programs and for professionals in industry researching in the fields of BI and PM for industrial application. [Advances in Enterprise Information Systems II](#) - Charles Moller 2012-06-07 For many years now Enterprise Information Systems have been critical in helping businesses successfully navigate the global market. The development that started with design and implementation of integrated systems has evolved to

incorporate a multitude of perspectives and ideas. The Enterprise Information Systems functionality extends from principally an ERP (Enterprise Resource Planning) system to a portfolio of standard systems including CRM (Customer Relationship Management) systems and SCM (Supply Chain Management) systems. Advances in Enterprise Information Systems II is divided into seven thematic sections, each exploring a distinct topic. In "Concepts in Enterprise Information Systems" the authors present new concepts and ideas for the field. "Cases in Enterprise Information Systems" introduces studies of enterprise information systems in an organizational context. "Business Process Management" is one of the major themes within enterprise information systems and "Designing Enterprise Information Systems" discusses new approaches to the design of processes and system and also deals with how design can

be taken as a specific perspective. "Enterprise Information Systems in various domains" features generic studies that contribute to advancing the practical knowledge of the field as well as towards "Global issues of Enterprise Information Systems". Finally, in "Emerging Topics in Enterprise Information Systems", new technologies and ideas are explored. Cloud computing in particular seems to be setting the agenda for future research in enterprise information systems. The book will be invaluable to academics and professionals interested in recent developments in the field of enterprise information systems.

[International Joint Conference SOCO'16-CISIS'16-ICEUTE'16](#)

- Manuel Graña 2016-10-10

This volume of Advances in Intelligent and Soft Computing contains accepted papers presented at SOCO 2016, CISIS 2016 and ICEUTE 2016, all conferences held in the beautiful and historic city of San Sebastián (Spain), in

October 2016. Soft computing represents a collection or set of computational techniques in machine learning, computer science and some engineering disciplines, which investigate, simulate, and analyze very complex issues and phenomena. After a thorough peer-review process, the 11th SOCO 2016 International Program Committee selected 45 papers. In this relevant edition a special emphasis was put on the organization of special sessions. Two special sessions were organized related to relevant topics as: Optimization, Modeling and Control Systems by Soft Computing and Soft Computing Methods in Manufacturing and Management Systems. The aim of the 9th CISIS 2016 conference is to offer a meeting opportunity for academic and industry-related researchers belonging to the various, vast communities of Computational Intelligence, Information Security, and Data Mining. The need for intelligent, flexible behaviour by large, complex systems,

especially in mission-critical domains, is intended to be the catalyst and the aggregation stimulus for the overall event. After a thorough peer-review process, the CISIS 2016 International Program Committee selected 20 papers. In the case of 7th ICEUTE 2016, the International Program Committee selected 14 papers.

Information Quality and Governance for Business Intelligence - Yeoh, William 2013-12-31

Business intelligence initiatives have been dominating the technology priority list of many organizations. However, the lack of effective information quality and governance strategies and policies has been meeting these initiatives with some challenges. Information Quality and Governance for Business Intelligence presents the latest exchange of academic research on all aspects of practicing and managing information using a multidisciplinary approach that examines its quality for organizational growth. This

book is an essential reference tool for researchers, practitioners, and university students specializing in business intelligence, information quality, and information systems.

Enterprise Resource Planning and Business Intelligence Systems for Information Quality - Carlo Caserio 2018-04-13

This book analyses the role of Enterprise Resource Planning (ERP) and Business Intelligence (BI) systems in improving information quality through an empirical analysis carried out in Italy. The study begins with a detailed examination of ERP features that highlights the advantages and disadvantages of ERP adoption. Critical success factors for ERP implementation and post-implementation are then discussed, along with the capabilities of ERP in driving the alignment between management accounting and financial accounting information. The study goes on to illustrate the features of BI systems and to summarize

companies' needs for BI. Critical success factors for BI implementation are then presented, along with the BI maturity model and lifecycle. The focus of the research entails a detailed empirical analysis in the Italian setting designed to investigate the role played by ERP and BI systems in reducing information overload/underload and improving information quality by influencing the features of information flow. The practical and theoretical implications of the study are discussed and future avenues of research are suggested. This book will be of value for all those who have an interest in the capacities of ERP and BI systems to enhance business information quality.

Brain-Inspired Cognitive Architectures for Artificial Intelligence: BICA*AI 2020 - Alexei V. Samsonovich 2020-12-08

The book focuses on original approaches intended to support the development of biologically inspired cognitive architectures. It bridges together different disciplines,

from classical artificial intelligence to linguistics, from neuro- and social sciences to design and creativity, among others. The chapters, based on contributions presented at the Eleventh Annual Meeting of the BICA Society, held on November 10-14, 2020, in Natal, Brazil, discuss emerging methods, theories and ideas towards the realization of general-purpose humanlike artificial intelligence or fostering a better understanding of the ways the human mind works. All in all, the book provides engineers, mathematicians, psychologists, computer scientists and other experts with a timely snapshot of recent research and a source of inspiration for future developments in the broadly intended areas of artificial intelligence and biological inspiration.

Intelligent Decision Technologies 2019 - Ireneusz Czarnowski 2019-06-01

The book presents a collection of peer-reviewed articles from the 11th KES International Conference on Intelligent

Decision Technologies (KES-IDT-19), held Malta on 17-19 June 2019. The conference provided opportunities for the presentation of new research results and discussion about them. It was also an opportunity to generation of new ideas in the field of intelligent decision making. The range of topics explored is wide, and covers methods of classification, prediction, data analysis, decision support, modelling and many more in such areas as finance, cybersecurity, economy, health, management and transportation. The topics cover also problems of data science, signal processing and knowledge engineering.

Intelligent Decision Technologies - Junzo Watada 2012-05-20

The Intelligent Decision Technologies (IDT) International Conference encourages an interchange of research on intelligent systems and intelligent technologies that enhance or improve decision making. The focus of IDT is interdisciplinary and

includes research on all aspects of intelligent decision technologies, from fundamental development to real applications. IDT has the potential to expand their support of decision making in such areas as finance, accounting, marketing, healthcare, medical and diagnostic systems, military decisions, production and operation, networks, traffic management, crisis response, human-machine interfaces, financial and stock market monitoring and prediction, and robotics. Intelligent decision systems implement advances in intelligent agents, fuzzy logic, multi-agent systems, artificial neural networks, and genetic algorithms, among others. Emerging areas of active research include virtual decision environments, social networking, 3D human-machine interfaces, cognitive interfaces, collaborative systems, intelligent web mining, e-commerce, e-learning, e-business, bioinformatics, evolvable systems, virtual humans, and

designer drugs. This volume contains papers from the Fourth KES International Symposium on Intelligent Decision Technologies (KES IDT'12), hosted by researchers in Nagoya University and other institutions in Japan. This book contains chapters based on papers selected from a large number of submissions for consideration for the conference from the international community. The volume represents the current leading thought in intelligent decision technologies.

The Strategic Management of Intellectual Capital and Organizational Knowledge - Chun Wei Choo 2002

Increasingly, the challenge of management is to create and supply knowledge in order to sustain organizational performance. However, few books on management strategy have been written using this concept as a foundation. This unique volume adopts a knowledge-based approach that will complement and perhaps supplant other perspectives. Editors Nick

Bontis and Chun Wei Choo look at the literature through the lens of strategic management and from the vantage point of organizational science. The thirty readings have been carefully selected and commissioned to provide the best literature available--from articles newly written for this book and from existing publications.

Construction Quality and the Economy - Low Sui Pheng
2019-01-08

This book discusses the relationship between construction quality and the state of the Singapore national economy, and describes how construction quality is affected as contracting firms strategically manage issues relating to profitability and survivability during economic boom and bust cycles. Adopting a three-pronged approach to explain the key issues, the book first explains the effect of the state of the Singapore national economy (boom or bust) on the construction quality delivered by contracting firms. Secondly, it explains how contracting

firms respond to the performance of the national economy through their dynamic bidding strategies, leading to significant quality trade-offs in some instances, especially when there is imprecise market information. Thirdly, it recommends various strategic measures that key stakeholders and government policy-makers can take to circumvent the quality trade-off in the construction industry when faced with dynamic fluctuations in the performance of the national economy. Although the book focuses on Singapore, it appeals to a global audience since countries worldwide (and their respective building-related stakeholders) face the same issues in terms of the time-cost-quality trade-off decision-making process involving the entire supply chain.

Intelligent Decision and Policy Making Support Systems - Da Ruan 2008-04-16
This edited book reports recent research results and provides a state-of-the-art on intelligent

decision support systems applications, lessons learned and future research directions. The book covers a balanced mixture of theory and practice, including new methods and developments of intelligent decision support systems applications in Society and Policy Support. Its main objective is to gather a peer-reviewed collection of high quality contributions in the relevant topic areas.

Applying Business Intelligence Initiatives in Healthcare and Organizational Settings - Miah, Shah J. 2018-07-13

Data analysis is an important part of modern business administration, as efficient compilation of information allows managers and business leaders to make the best decisions for the financial solvency of their organizations. Understanding the use of analytics, reporting, and data mining in everyday business environments is imperative to the success of modern businesses. Applying Business Intelligence Initiatives in Healthcare and Organizational

Settings incorporates emerging concepts, methods, models, and relevant applications of business intelligence systems within problem contexts of healthcare and other organizational boundaries.

Featuring coverage on a broad range of topics such as rise of embedded analytics, competitive advantage, and strategic capability, this book is ideally designed for business analysts, investors, corporate managers, and entrepreneurs seeking to advance their understanding and practice of business intelligence.

Complex System Modelling and Control Through Intelligent Soft Computations - Quanmin Zhu 2014-11-29

The book offers a snapshot of the theories and applications of soft computing in the area of complex systems modeling and control. It presents the most important findings discussed during the 5th International Conference on Modelling, Identification and Control, held in Cairo, from August 31-September 2, 2013. The book consists of twenty-nine

selected contributions, which have been thoroughly reviewed and extended before their inclusion in the volume. The different chapters, written by active researchers in the field, report on both current theories and important applications of soft-computing. Besides providing the readers with soft-computing fundamentals, and soft-computing based inductive methodologies/algorithms, the book also discusses key industrial soft-computing applications, as well as multidisciplinary solutions developed for a variety of purposes, like windup control, waste management, security issues, biomedical applications and many others. It is a perfect reference guide for graduate students, researchers and practitioners in the area of soft computing, systems modeling and control.

Inspection Plan Based on the Process Capability Index Using

the Neutrosophic Statistical Method - Muhammad Aslam
The Process Capability Index (PCI) has been widely used in industry to advance the quality of a product. Neutrosophic statistics is the more generalized form of classical statistics and is applied when the data from the production process or a product lot is incomplete, incredible, and indeterminate. In this paper, we will originally propose a variable sampling plan for the PCI using neutrosophic statistics. The neutrosophic operating function will be given. The neutrosophic plan parameters will be determined using the neutrosophic optimization solution. A comparison between plans based on neutrosophic statistics and classical statistics is given. The application of the proposed neutrosophic sampling plan will be given using company data.