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Complex Systems: Solutions and Challenges in Economics, Management and Engineering - Christian Berger-Vachon 2017-10-31

This book presents an authoritative collection of contributions reporting on fuzzy logic and decision theory, together with applications and case studies in economics and management science. Dedicated to Professor Jaume Gil Aluja in recognition of his pioneering work, the book reports on theories, methods and new challenges, thus offering not only a timely reference guide but also a source of new ideas and inspirations for graduate students and researchers alike.

Increasing Management Relevance and Competitiveness - Badri Munir Sukoco 2018-04-17

Increasing Management Relevance and Competitiveness contains the papers presented at the Global Conference on Business, Management and Entrepreneurship (the 2nd GC-BME 2017), Surabaya, Indonesia on the 9th of August, 2017. The book covers 7 topics: 1. Organizational Behavior, Leadership, and Human Resources Management 2. Innovation, Operations and Supply Chain Management 3. Marketing Management 4. Financial Management and Accounting 5. Strategic Management, Entrepreneurship, and Contemporary Issues 6. Green Business 7. Management and Economics Education.

Administrative Side of Coaching - Richard Leonard 2008 Coaches and athletic program administrators face a wide array of challenges as they attempt to ensure that their programs are efficient and effective. Difficult decisions are made on a daily basis regarding issues such as facility scheduling, fundraising, travel budgeting, and marketing. Their decisions concerning those and other matters determine a program's current and future success. This book guides future practitioners and current professionals in adapting the tools utilised by today's top business managers to assist them in meeting the demands they face on a daily basis. In developing this second edition, Dr Richard Leonard, a former coach himself at the collegiate level, updated the concepts of coaching administration to include the most recent business models and applied those theories to the professions of coaching and athletic program administration. While the foundational information from the widely adopted first edition remains intact, this new edition offers a greater focus on practical application of coaching administration.

Updates include: new chapter designs; contemporary support references; additional administrative philosophies; a more comprehensive coverage of the individual topics of coaching administration. Ancillary materials available to instructors who adopt this textbook include a PowerPoint file with summaries, key terms, discussion questions, and application exercises from each chapter; an instructor's supplement; and suggested term projects.

Adaptation and Value Creating Collaborative Networks - Luis M. Camarinha-Matos 2011-10-20

This book constitutes the refereed proceedings of the 12th IFIP WG 5.5 Working Conference on Virtual Enterprises, PRO-VE 2011, held in Sao Paulo, Brazil, in October 2011. The 61 revised papers presented were carefully selected from numerous submissions. They provide a comprehensive overview of recent advances in various collaborative network (CN) domains and their applications with a particular focus on adaptation of the networks and their value creation, specifically emphasizing topics related to evolution from social networking to collaborative networks; social capital; value chains; co-creation of complex products; performance management; behavioral aspects in collaborative networks; collaborative networks planning and modeling; benefit analysis and sustainability issues, as well as including important technical and scientific challenges in applying CNs to areas such as advanced logistics networks, business process modeling, service orientation, and other emerging application domains such as ageing, tourism, crisis, and emergency scenarios.

Social Innovation - Thomas Osburg 2013-06-04

□Social Innovation is becoming an increasingly important topic in our global society. Those organizations which are able to develop business solutions to the most urgent social and ecological challenges will be the leading companies of tomorrow. Social Innovation not only creates value for society but will be a key driver for business success. Although the concept of Social Innovation is discussed globally the meaning and its impact on the development of new business strategies is still heavily on debate. This publication has the goal to give a comprehensive overview of different concepts in the very innovative field of Social Innovation, from a managerial as well as from a theoretical and social perspective. Over 30 leading thinkers in the field of Innovation, Strategic Management and Organizational Development give a well structured inside on the latest developments and progress in the field of Social Innovation. Thereby the authors not only develop a comprehensive and unique analysis on the state-of-the art of social innovation but also give practical advice and information to business leaders on how to apply the latest management thinking on Social Innovation to daily business decisions. This publication has the intention to become a milestone in the further development of the concept of Social Innovation as well as to further stimulate new business strategies necessary to overcome world most pressing social and ecological challenges.

Cost Accounting: Principles & Practice, 12th Edition - M.N. Arora 2000

A UGC recommended textbook for various commerce graduate programmes like B.Com, BBA, BBM and BBS. Also useful for CA, CS, ICMA, M.Com and MBA. The revised edition of Cost Accounting—Principles and Practice gives students a thorough grounding in cost concepts, cost behaviour, and costing methods. The subject matter has been presented

in a student-friendly, systematic and intelligible manner. Every discussion involving conceptual difficulties is immediately followed by a numerical example. A large number of charts and diagrams bring to light finer points of the subject and make it easily comprehensible. The subject matter has been organized on 'first things first' basis to sustain the interest of the students. Additional problems and solutions have been included in the Appendix to help students.

Nonlinear Dynamics of Discrete and Continuous Systems - Andrei K. Abramian 2020-11-02

This book commemorates the 60th birthday of Dr. Wim van Horssen, a specialist in nonlinear dynamic and wave processes in solids, fluids and structures. In honor of Dr. Horssen's contributions to the field, it presents papers discussing topics such as the current problems of the theory of nonlinear dynamic processes in continua and structures; applications, including discrete and continuous dynamic models of structures and media; and problems of asymptotic approaches.

Complex, Intelligent, and Software Intensive Systems - Leonard Barolli 2018-06-18

This book provides a platform of scientific interaction between the three challenging and closely linked areas of ICT-enabled-application research and development: software intensive systems, complex systems and intelligent systems. Software intensive systems strongly interact with other systems, sensors, actuators, devices, other software systems and users. More and more domains are using software intensive systems, e.g. automotive and telecommunication systems, embedded systems in general, industrial automation systems and business applications. Moreover, web services offer a new platform for enabling software intensive systems. Complex systems research is focused on the overall understanding of systems rather than their components. Complex systems are characterized by the changing environments in which they interact. They evolve and adapt through internal and external dynamic interactions. The development of intelligent systems and agents, which are increasingly characterized by their use of ontologies and their logical foundations, offer impulses for both software intensive systems and complex systems. Recent research in the field of intelligent systems, robotics, neuroscience, artificial intelligence, and cognitive sciences are vital for the future development and innovation of software intensive and complex systems.

ECISM 2017 11th European Conference on Information Systems Management - 2017-09-14

Self-Learning Optimal Control of Nonlinear Systems - Qinglai Wei 2017-06-13

This book presents a class of novel, self-learning, optimal control schemes based on adaptive dynamic programming techniques, which quantitatively obtain the optimal control schemes of the systems. It analyzes the properties identified by the programming methods, including the convergence of the iterative value functions and the stability of the system under iterative control laws, helping to guarantee the effectiveness of the methods developed. When the system model is known, self-learning optimal control is designed on the basis of the system model; when the system model is not known, adaptive dynamic programming is implemented according to the system data, effectively making the performance of the system converge to the optimum. With various real-world examples to complement and substantiate the mathematical analysis, the book is a valuable guide for engineers, researchers, and students in control science and engineering.

Hybrid Renewable Energy Systems - Djamila Rekioua 2019-11-27

This book discusses the supervision of hybrid systems and presents models for control, optimization and

storage. It provides a guide for practitioners as well as graduate and postgraduate students and researchers in both renewable energy and modern power systems, enabling them to quickly gain an understanding of stand-alone and grid-connected hybrid renewable systems. The book is accompanied by an online MATLAB package, which offers examples of each application to help readers understand and evaluate the performance of the various hybrid renewable systems cited. With a focus on the different configurations of hybrid renewable energy systems, it offers those involved in the field of renewable energy solutions vital insights into the control, optimization and supervision strategies for the different renewable energy systems.

Management Control Systems - Robert Newton Anthony 2007 Management Control Systems helps students to develop the insight and analytical skills required of today's managers. Students uncover how real-world managers design, implement, and use planning and control systems to implement business strategies. The 12th edition builds on the strengths of prior editions by offering a rich diversity of cases balanced with current content and research.

Computer Security Handbook, Set - Seymour Bosworth 2014-03-24

Computer security touches every part of our daily lives from our computers and connected devices to the wireless signals around us. Breaches have real and immediate financial, privacy, and safety consequences. This handbook has compiled advice from top professionals working in the real world about how to minimize the possibility of computer security breaches in your systems. Written for professionals and college students, it provides comprehensive best guidance about how to minimize hacking, fraud, human error, the effects of natural disasters, and more. This essential and highly-regarded reference maintains timeless lessons and is fully revised and updated with current information on security issues for social networks, cloud computing, virtualization, and more.

12th International Symposium on Process Systems Engineering and 25th European Symposium on Computer Aided Process Engineering - 2015-05-28

25th European Symposium on Computer-Aided Process Engineering contains the papers presented at the 12th Process Systems Engineering (PSE) and 25th European Society of Computer Aided Process Engineering (ESCAPE) Joint Event held in Copenhagen, Denmark, 31 May - 4 June 2015. The purpose of these series is to bring together the international community of researchers and engineers who are interested in computing-based methods in process engineering. This conference highlights the contributions of the PSE/CAPE community towards the sustainability of modern society. Contributors from academia and industry establish the core products of PSE/CAPE, define the new and changing scope of our results, and future challenges. Plenary and keynote lectures discuss real-world challenges (globalization, energy, environment, and health) and contribute to discussions on the widening scope of PSE/CAPE versus the consolidation of the core topics of PSE/CAPE. Highlights how the Process Systems Engineering/Computer-Aided Process Engineering community contributes to the sustainability of modern society Presents findings and discussions from both the 12th Process Systems Engineering (PSE) and 25th European Society of Computer-Aided Process Engineering (ESCAPE) Events Establishes the core products of Process Systems Engineering/Computer Aided Process Engineering Defines the future challenges of the Process Systems Engineering/Computer Aided Process Engineering community **Cybernetics And Systems '94 - Proceedings Of The 12th European Meeting On Cybernetics And Systems Research (In 2 Volumes)** - Trappl Robert 1994-03-15

Decision Theory Models for Applications in Artificial Intelligence: Concepts and Solutions - Sucar, L. Enrique 2011-10-31

One of the goals of artificial intelligence (AI) is creating autonomous agents that must make decisions based on uncertain and incomplete information. The goal is to design rational agents that must take the best action given the information available and their goals. *Decision Theory Models for Applications in Artificial Intelligence: Concepts and Solutions* provides an introduction to different types of decision theory techniques, including MDPs, POMDPs, Influence Diagrams, and Reinforcement Learning, and illustrates their application in artificial intelligence. This book provides insights into the advantages and challenges of using decision theory models for developing intelligent systems.

Accelerating Knowledge Sharing, Creativity, and Innovation Through Business Tourism - Bari, Muhammad Waseem 2020-04-10

Business tourism is a newly coined terminology in social sciences and management literature. It is defined as individuals traveling and staying outside of their hometowns for not more than one successive year for the purpose of enjoyment and other drives (e.g., learning and business activities). Key business tourism activities include attending a variety of meetings, conferences, and workshops as well as exhibitions. Understanding the negative and positive aspects of business tourism is essential to promoting employee learning and knowledge transfer skills. *Accelerating Knowledge Sharing, Creativity, and Innovation Through Business Tourism* is an essential reference source that discusses how differences in cultures, communities, rituals, norms, and scope of business tourism could influence knowledge sharing practices. Moreover, this book promotes an understanding on how to learn from different cultures and enhance absorptive capacity by interacting with different personalities and cultures. Featuring research on topics such as knowledge management, social capital, and consumer behavior, this book is ideally designed for business professionals, managers, administrators, hotel executives, IT specialists, executives, entrepreneurs, managing directors, and students looking to boost their existing skills and expertise with innovation and creativity by interacting with others and in a new context.

Next Generation Sensors and Systems - Subhas Chandra Mukhopadhyay 2015-07-28

Written by experts in their area of research, this book has outlined the current status of the fundamentals and analytical concepts, modelling and design issues, technical details and practical applications of different types of sensors and discussed about the trends of next generation of sensors and systems happening in the area of Sensing technology. This book will be useful as a reference book for engineers and scientist especially the post-graduate students find will this book as reference book for their research on wearable sensors, devices and technologies.

German Medical Data Sciences: Shaping Change - Creative Solutions for Innovative Medicine - R. Röhrig 2019-09-25

Healthcare systems have been in a state of flux for a number of years now due to increasing digitalization. Medicine itself is also facing new challenges, and how to maximize the possibilities of artificial intelligence, whether digitalization can help to strengthen patient orientation, and dealing with the issue of data quality and completeness are all issues which require attention, creativity and research. This book presents the proceedings of the 64th annual conference of the German Association for Medical Informatics, Biometry and Epidemiology (GMDS 2019), held in Dortmund, Germany, from 8 - 11 September 2019. The theme of this year's conference is Shaping Change –

Creative Solutions for Innovative Medicine, and the papers presented here focus on active participation in shaping change while ensuring that good scientific practice, evidence and regulation are not lost as a result of innovation. The book is divided into 8 sections: biostatistics; healthcare IT; interoperability - standards, classification, terminology; knowledge engineering and decision support; medical bioinformatics and systems biology; patient centered care; research infrastructure; and sociotechnical systems / usability and evaluation of healthcare IT. The book will be of interest to all those facing the challenges posed by the ongoing revolution in medicine and healthcare.

Catalog of Copyright Entries. Third Series - Library of Congress. Copyright Office 1974

Cyber Security and Safety of Nuclear Power Plant Instrumentation and Control Systems - Yastrebenetsky, Michael A. 2020-05-22

Safety and security are crucial to the operations of nuclear power plants, but cyber threats to these facilities are increasing significantly. Instrumentation and control systems, which play a vital role in the prevention of these incidents, have seen major design modifications with the implementation of digital technologies. Advanced computing systems are assisting in the protection and safety of nuclear power plants; however, significant research on these computational methods is deficient. *Cyber Security and Safety of Nuclear Power Plant Instrumentation and Control Systems* is a pivotal reference source that provides vital research on the digital developments of instrumentation and control systems for assuring the safety and security of nuclear power plants. While highlighting topics such as accident monitoring systems, classification measures, and UAV fleets, this publication explores individual cases of security breaches as well as future methods of practice. This book is ideally designed for engineers, industry specialists, researchers, policymakers, scientists, academicians, practitioners, and students involved in the development and operation of instrumentation and control systems for nuclear power plants, chemical and petrochemical industries, transport, and medical equipment.

Internet of Things, Smart Spaces, and Next Generation Networks and Systems - Olga Galinina 2019-09-11

This book constitutes the joint refereed proceedings of the 19th International Conference on Next Generation Teletraffic and Wired/Wireless Advanced Networks and Systems, NEW2AN 2019, and the 12th Conference on Internet of Things and Smart Spaces, ruSMART 2019. The 66 revised full papers presented were carefully reviewed and selected from 192 submissions. The papers of NEW2AN address various aspects of next-generation data networks, with special attention to advanced wireless networking and applications. In particular, they deal with novel and innovative approaches to performance and efficiency analysis of 5G and beyond systems, employed game-theoretical formulations, advanced queuing theory, and stochastic geometry, while also covering the Internet of Things, cyber security, optics, signal processing, as well as business aspects. ruSMART 2019, provides a forum for academic and industrial researchers to discuss new ideas and trends in the emerging areas. The 12th conference on the Internet of Things and Smart Spaces, ruSMART 2019, provides a forum for academic and industrial researchers to discuss new ideas and trends in the emerging areas.

Research Methods and Solutions to Current Transport Problems - Mirosław Siergiejczyk 2019-09-18

The book is dedicated as an auxiliary literature for academic staff of universities, research institutes, as well as for students of transport teaching. The aim of the conference was to present the achievements of national and foreign research and scientific centers

dealing with the issues of rail, road, air and sea transport in technical and technological aspects, as well as organization and integration of the environment conducting research and education in the discipline of civil engineering and transport. International Scientific Conference Transport of the 21st Century was held in Ryn, Poland, in the 9th–12th of June 2019. The research areas of the conference were as follows:

- transport infrastructure and communication engineering,
- construction and operation of means of transport,
- logistics engineering and transport technology,
- organization and planning of transport, including public transport,
- traffic control systems in transport,
- transport telematics and intelligent transportation systems,
- smart city and electromobility,
- safety engineering and ecology in transport,
- automation of means of transport.

It also used by specialists from central and local government authorities in the area of deepening knowledge of modern technologies and solutions used for planning, managing and operating transport.

Information Control Problems in Manufacturing 2006 - Alexandre Dolgui 2011-10-10

Information Control Problems in Manufacturing 2006 contains the Proceedings of the 12th IFAC Symposium on Information Control Problems in Manufacturing (INCOM'2006). This symposium took place in Saint Etienne, France, on May 17-19 2006. INCOM is a tri-annual event of symposia series organized by IFAC and it is promoted by the IFAC Technical Committee on Manufacturing Plant Control. The purpose of the symposium INCOM'2006 was to offer a forum to present the state-of-the-art in international research and development work, with special emphasis on the applications of optimisation methods, automation and IT technologies in the control of manufacturing plants and the entire supply chain within the enterprise. The symposium stressed the scientific challenges and issues, covering the whole product and processes life cycle, from the design through the manufacturing and maintenance, to the distribution and service. INCOM'2006 Technical Program also included a special event on Innovative Engineering Techniques in Healthcare Delivery. The application of engineering and IT methods in medicine is a rapidly growing field with many opportunities for innovation. The Proceedings are composed of 3 volumes: Volume 1 - Information Systems, Control & Interoperability Volume 2 - Industrial Engineering Volume 3 - Operational Research * 3-volume set, containing 362 carefully reviewed and selected papers * presenting the state-of-the-art in international research and development in Information Control problems in Manufacturing

Strategy, Control and Competitive Advantage - Erik Jansson 2013-10-25

How should firms' control systems be designed and used to formulate and implement strategies that will contribute to competitive advantage and sustained high performance? This book offers some thought-provoking suggestions. It contains empirical studies of such diverse manufacturing enterprises as Atlas Copco, Electrolux, Saab, Scania, SCA Packing and Volvo, as well as an insurance company and two chamber orchestras. All firms and organizations presented offer interesting and exciting insights, each in a specific way and each with a fascinating history. The book presents research on the relationship between strategy, control and competitive advantage over extended periods and at several strategic levels, while also taking into account the existence of multiple control systems in a single firm or other organization. Readers are offered an in-depth look into how changes in the environment lead to adjustments in strategies and control systems. It is shown, in addition, how difficult and challenging it can be to implement these changes, and why such efforts are not always successful. But perhaps most importantly, the

book conveys an in-depth understanding of how strategies and control systems affect competitive advantage and performance. In both its coverage and focus, the book is unique. Not only does it provide valuable contributions to the research field of strategy and management control; it also represents a substantial commitment in terms of resources and involvement over an extended period. The book is highly recommended to researchers, practitioners, graduate students and all others interested in this area.

Target XAT 2021 (Past Papers 2005 - 2020 + 5 Mock Tests) 12th Edition - Disha Experts 2020-07-04

Intelligent Information and Database Systems - Ngoc Thanh Nguyen 2020-03-03

The two-volume set LNAI 12033 and 11034 constitutes the refereed proceedings of the 12th Asian Conference on Intelligent Information and Database Systems, ACIIDS 2020, held in Phuket, Thailand, in March 2020. The total of 105 full papers accepted for publication in these proceedings were carefully reviewed and selected from 285 submissions. The papers of the first volume are organized in the following topical sections: Knowledge Engineering and Semantic Web, Natural Language Processing, Decision Support and Control Systems, Computer Vision Techniques, Machine Learning and Data Mining, Deep Learning Models, Advanced Data Mining Techniques and Applications, Multiple Model Approach to Machine Learning. The papers of the second volume are divided into these topical sections: Application of Intelligent Methods to Constrained Problems, Automated Reasoning with Applications in Intelligent Systems, Current Trends in Artificial Intelligence, Optimization, Learning, and Decision-Making in Bioinformatics and Bioengineering, Computer Vision and Intelligent Systems, Data Modelling and Processing for Industry 4.0, Intelligent Applications of Internet of Things and Data Analysis Technologies, Intelligent and Contextual Systems, Intelligent Systems and Algorithms in Information Sciences, Intelligent Supply Chains and e-Commerce, Privacy, Security and Trust in Artificial Intelligence, Interactive Analysis of Image, Video and Motion Data in LifeSciences.

Using the Engineering Literature, Second Edition - Bonnie A. Osif 2011-08-09

With the encroachment of the Internet into nearly all aspects of work and life, it seems as though information is everywhere. However, there is information and then there is correct, appropriate, and timely information. While we might love being able to turn to Wikipedia® for encyclopedia-like information or search Google® for the thousands of links on a topic, engineers need the best information, information that is evaluated, up-to-date, and complete. Accurate, vetted information is necessary when building new skyscrapers or developing new prosthetics for returning military veterans. While the award-winning first edition of *Using the Engineering Literature* used a roadmap analogy, we now need a three-dimensional analysis reflecting the complex and dynamic nature of research in the information age. *Using the Engineering Literature, Second Edition* provides a guide to the wide range of resources available in all fields of engineering. This second edition has been thoroughly revised and features new sections on nanotechnology as well as green engineering. The information age has greatly impacted the way engineers find information. Engineers have an effect, directly and indirectly, on almost all aspects of our lives, and it is vital that they find the right information at the right time to create better products and processes. Comprehensive and up to date, with expert chapter authors, this book fills a gap in the literature, providing critical information in a user-friendly format.

Telematics in the Transport Environment - Jerzy Mikulski 2012-09-25

This book constitutes the proceedings of the 12th International Conference on Transport Systems Telematics, TST 2012, held in Katowice-Ustron, Poland, in October 2012. The 48 papers included in this volume were carefully reviewed and selected for inclusion in this book. Transport telematics are the systems using the information and communication technologies in the area of infrastructure and of means of transport and its participants. An intelligent transport covers systems that allow, through the data transmission and analysis, to influence the behaviour of road users and the action of technical elements in means of transport or along the traffic route. Intelligent transport systems - in accordance with the European Directive - are used for the transport management informatisation. The research shows that the use of telematics can significantly increase the efficiency of the transport system, the road safety and the environmental protection. This book provides an overview of solutions being developed in the field of intelligent transportation systems, and includes theoretical and case studies in the countries of conference participants.

Burket's Oral Medicine, 12th Edition - Michael Glick 2015-01-01

Inherently interdisciplinary, the field of oral medicine continues to incorporate and apply new knowledge and techniques to the care of patients. For nearly 70 years, Burket's Oral Medicine has been the principal text for all major aspects of oral medicine, from the basic science to clinical practice. This 12th edition continues to serve as the authoritative source of information for students, residents, and clinicians interested in the field of oral medicine. Through the addition of new chapters and substantial new material, the 12th edition of the book significantly advances the understanding of today's practice of oral medicine. Research findings are produced at a rapid pace and are readily accessible from a variety of sources. A chapter on clinical research has been added to the book to help readers interpret how scientific findings reported in the literature impact their practice. Awareness of the unique aspects of oral health needs for the elderly, infants, and young children prompted the inclusion of two new chapters introducing the fields of geriatric and pediatric oral medicine. Two other original chapters on radiologic interpretations and complications of nonsurgical cancer therapy complement in more detail other broader topics addressed in the book. The 12th edition of Burket's Oral Medicine continues the tradition of this text in providing students, residents, and experienced practitioners with access to the expertise and experience of an international group of clinical scholars who are recognized experts in the increasingly complex field of diagnosis and medical management of maxillofacial disease and dental treatment of medically complex patients.

Management Control Systems - Robert Newton Anthony 2001 Management Control Systems 10/e builds on strengths from prior editions by offering a rich diversity of cases balanced with current material. The primary market for Management Control Systems is an MBA level elective in control systems. The text may also be appropriate for advanced managerial accounting courses and/or MBA-level cost accounting courses with an emphasis on management control. The text is organized to develop insights and analytical skills related to how managers go about designing, implementing, and using planning and control systems to implement strategies.

Glocalized Solutions for Sustainability in Manufacturing - Jürgen Hesselbach 2011-03-19

The 18th CIRP International Conference on Life Cycle Engineering (LCE) 2011 continues a long tradition of scientific meetings focusing on the exchange of industrial and academic knowledge and experiences in life cycle assessment, product development, sustainable

manufacturing and end-of-life-management. The theme "Glocalized Solutions for Sustainability in Manufacturing" addresses the need for engineers to develop solutions which have the potential to address global challenges by providing products, services and processes taking into account local capabilities and constraints to achieve an economically, socially and environmentally sustainable society in a global perspective. Glocalized Solutions for Sustainability in Manufacturing do not only involve products or services that are changed for a local market by simple substitution or the omitting of functions. Products and services need to be addressed that ensure a high standard of living everywhere. Resources required for manufacturing and use of such products are limited and not evenly distributed in the world. Locally available resources, local capabilities as well as local constraints have to be drivers for product- and process innovations with respect to the entire life cycle. The 18th CIRP International Conference on Life Cycle Engineering (LCE) 2011 serves as a platform for the discussion of the resulting challenges and the collaborative development of new scientific ideas.

Technological Innovation for Applied AI Systems - Luis M. Camarinha-Matos 2021-06-30

This book constitutes the refereed proceedings of the 12th IFIP WG 5.5/SOCOLNET Advanced Doctoral Conference on Computing, Electrical and Industrial Systems, DoCEIS 2021, held in Costa de Caparica, Portugal, in July 2021.* The 34 papers presented were carefully reviewed and selected from 92 submissions. The papers present selected results produced in engineering doctoral programs and focus on technological innovation for industry and service systems. Research results and ongoing work are presented, illustrated and discussed in the following areas: collaborative networks; smart manufacturing; cyber-physical systems and digital twins; intelligent decision making; smart energy management; communications and electronics; classification systems; smart healthcare systems; and medical devices. *The conference was held virtually. Chapters "Characteristics of Adaptable Control of Production Systems and the Role of Self-organization Towards Smart Manufacturing" and "Predictive Manufacturing: Enabling Technologies, Frameworks and Applications" are available open access under a Creative Commons Attribution 4.0 International License via link.springer.com.

ICCWS 2017 12th International Conference on Cyber Warfare and Security - Dr. Robert F. Mills 2017

Transforming Cybersecurity Solutions using Blockchain - Rashmi Agrawal 2021-04-13

This book is targeted towards cybersecurity professionals (especially those dealing with cloud security) or any stakeholders dealing with cybersecurity who want to understand the next level of security infrastructure using blockchain. The book's security and privacy analysis help with an understanding of the basics of blockchain, and it explores the quantifying impact of the new attack surfaces introduced by blockchain technologies and platforms. In addition, the book contains relevant and current updates on the topic. It follows a practical approach to help understand how blockchain technology is used to transform cybersecurity solutions.

Modern Control Systems - Richard C. Dorf 2011 Modern Control Systems, 12e, is ideal for an introductory undergraduate course in control systems for engineering students. Written to be equally useful for all engineering disciplines, this text is organized around the concept of control systems theory as it has been developed in the frequency and time domains. It provides coverage of classical control, employing root locus design, frequency and response design using Bode and Nyquist plots. It also covers modern control methods

based on state variable models including pole placement design techniques with full-state feedback controllers and full-state observers. Many examples throughout give students ample opportunity to apply the theory to the design and analysis of control systems. Incorporates computer-aided design and analysis using MATLAB and LabVIEW MathScript.

Knowledge-Based Intelligent Information and Engineering Systems - Ignac Lovrek 2008-08-18

Delegates and friends, we are very pleased to extend to you a warm welcome to this, the 12th International Conference on Knowledge-Based and Intelligent Information and Engineering Systems organised by the Faculty of Electrical Engineering and Computing at the University of Zagreb, in association with KES International. For over a decade, KES International has provided an annual wide-spectrum intelligent systems conference for the applied artificial intelligence research community. Having originated in Australia and been held there during 1997-99, the conference visited the UK in 2000, Japan in 2001, Italy in 2002, the UK in 2003, New Zealand in 2004, Australia in 2005, the UK in 2006, Italy in 2007, and now in Zagreb, Croatia in 2008. It is planned that KES 2009 will be held in Santiago, Chile before returning to the UK in 2010. The KES conference is a feature and regularly attracts several hundred delegates. As it encompasses a broad range of intelligent systems topics, it provides delegates with an opportunity to mix with researchers from other groups and learn from them. The conference is linked to the International Journal of Intelligent and Knowledge-

Based Systems, published by IOS Press under KES editorship. Extended and enhanced versions of the best papers presented at the KES conference may be published in the Journal. In addition to the annual wide-range intelligent systems conference, KES has run successful symposia in several specific areas of the discipline. Agents and Multi-Agent Systems is a popular area of research.

Hospitality-Controlling - Burkhard von Freyberg 2010

BMT Abstracts - 1999

Automatic Control in Aerospace 1992 - D.B. DeBra 2017-01-11

Space vehicles have become increasingly complex in recent years, and the number of missions has multiplied as a result of extending frontiers in the exploration of our planetary system and the universe beyond. The advancement of automatic control in aerospace reflects these developments. Key areas covered in these proceedings include: the size and complexity of spacecrafts and the increasingly stringent performance requirements to be fulfilled in a harsh and unpredictable environment; the merger of space vehicles and airplanes into space planes to launch and retrieve payloads by reusable winged vehicles; and the demand to increase space automation and autonomy to reduce human involvement as much as possible in manned, man-tended and unmanned missions. This volume covers not only the newly evolving key technologies but also the classical issues of guidance, navigation and control.