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Emerging Trends in Intelligent Systems & Network Security

Springer *This book covers selected research works presented at the fifth International Conference on Networking, Information Systems and Security (NISS 2022), organized by the Research Center for Data and Information Sciences at the National Research and Innovation Agency (BRIN), Republic of Indonesia, and Moroccan Mediterranean Association of Sciences and Sustainable Development, Morocco, during March 30–31, 2022, hosted in online mode in Bandung, Indonesia. Building on the successful history of the conference series in the recent four years, this book aims to present the paramount role of connecting researchers around the world to disseminate and share new ideas in intelligent information systems, cyber-security, and networking technologies. The 49 chapters presented in this book were carefully reviewed and selected from 115 submissions. They focus on delivering intelligent solutions through leveraging advanced information systems, networking, and security for competitive advantage and cost savings in modern industrial sectors as well as public, business, and education sectors. Authors are eminent academicians, scientists, researchers, and scholars in their respective fields from across the world.*

Intelligent Information Systems and Knowledge Management for Energy: Applications for Decision Support, Usage, and Environmental Protection

Applications for Decision Support, Usage, and Environmental Protection

IGI Global *"This book analyzes the need for a holistic approach for the construction and engineering of cities and societies"--Provided by publisher.*

Intelligent Information Systems 2001

Proceedings of the International Symposium "Intelligent Information Systems X", June 18–22, 2001, Zakopane, Poland

Springer Science & Business Media *This volume contains articles accepted for presentation during The Intelli gent Information Systems Symposium IIS'2001 which was held in Zakopane, Poland, on June 18-22, 200l. This is tenth, in the order, symposium orga nized by the Institute of Computer Science of Polish Academy of Sciences and devoted to new trends in (broadly understood) Artificial Intelligence. The idea of organizing such meetings dates back to 1992. Our main in tention guided the first, rather small-audience, workshop in the series was to resume the results gained in Polish scientific centers as well as contrast them with the esea r rch performed by Polish scientists working at the uni versities in Europe and USA. This idea proved to be attractive enough that we decided to continue such meetings. As the years went by, the workshops has transformed into regular symposia devoted to such fields like Machine Learning, Knowledge Discovery, Natural Language Processing, Knowledge Based Systems and Reasoning, and Soft Computing (i.e. Fuzzy and Rough Sets, Bayesian Networks, Neural Networks and Evolutionary Algorithms). At present, about 50 papers prepared by researches from Poland and other countries are usually presented. Besides, for several years now, the symposia are accompanied by a number of tutorials, given by the outstanding scientists in their domain.*

Intelligent Information Systems

Meeting the Challenge of the Knowledge Era

Greenwood Publishing Group *Integrating decision makers and their needs into the design of information systems.*

Enterprise Information Systems VII

Springer Science & Business Media *The purpose of the 7th International Conference on Enterprise Information Systems (ICEIS) was to bring together researchers, engineers and practitioners interested in the advances and business applications of information systems. ICEIS focuses on real world applications, therefore authors were asked to highlight the benefits of Information Technology for industry and services. Papers included in the book are the best papers presented at the conference.*

Information Systems Foundations

The Role of Design Science

ANU E Press *This volume presents papers from the fourth biennial Information Systems Foundation Workshop, held at The Australian National University in Canberra from 2¿3 October, 2008. The focus of the workshop was, as for the others in the series, the foundations of Information Systems as an academic discipline. The emphasis in this workshop was on the movement known as 'Design Science' and its importance in practical disciplines such as Information Systems. The chapters in the volume provide a critical examination of current design science ideas, with the role of human creativity given special mention. The philosophical underpinnings of design science thinking are also examined. Practically, the volume shows how the design science approach can be used in academic research that leads to artefacts that add value for individuals, organizations and society.*

Knowledge-Based Information Systems in Practice

Springer This book contains innovative research from leading researchers who presented their work at the 17th International Conference on Knowledge-Based and Intelligent Information and Engineering Systems, KES 2013, held in Kitakyusha, Japan, in September 2013. The conference provided a competitive field of 236 contributors, from which 38 authors expanded their contributions and only 21 published. A plethora of techniques and innovative applications are represented within this volume. The chapters are organized using four themes. These topics include: data mining, knowledge management, advanced information processes and system modelling applications. Each topic contains multiple contributions and many offer case studies or innovative examples. Anyone that wants to work with information repositories or process knowledge should consider reading one or more chapters focused on their technique of choice. They may also benefit from reading other chapters to assess if an alternative technique represents a more suitable approach. This book will benefit anyone already working with Knowledge-Based or Intelligent Information Systems, however is suitable for students and researchers seeking to learn more about modern Artificial Intelligence techniques.

Mobile Web and Intelligent Information Systems

16th International Conference, MobiWIS 2019, Istanbul, Turkey, August 26–28, 2019, Proceedings

Springer This book constitutes the refereed proceedings of the 16th International Conference on Mobile Web and Intelligent Information Systems, MobiWIS 2019, held in Istanbul, Turkey, in August 2019. The 23 full papers presented together with 3 short papers were carefully reviewed and selected from 74 submissions. The papers of the MobiWIS 2019 deal with areas such as: mobile apps and services; web and mobile applications; security and privacy; wireless networks and cloud computing; intelligent mobile applications; and mobile web and practical applications.

Complex Intelligent Systems and Their Applications

Springer Science & Business Media "Complex Intelligent Systems and Applications" presents the most up-to-date advances in complex, software intensive and intelligent systems. Each self-contained chapter is the contribution of distinguished experts in areas of research relevant to the study of complex, intelligent, and software intensive systems. These contributions focus on the resolution of complex problems from areas of networking, optimization and artificial intelligence. The book is divided into three parts focusing on complex intelligent network systems, efficient resource management in complex systems, and artificial data mining systems. Through the presentation of these diverse areas of application, the volume provides insights into the multidisciplinary nature of complex problems. Throughout the entire book, special emphasis is placed on optimization and efficiency in resource management, network interaction, and intelligent system design. This book presents the most recent interdisciplinary results in this area of research and can serve as a valuable tool for researchers interested in defining and resolving the types of complex problems that arise in networking, optimization, and artificial intelligence.

Mobile Web and Intelligent Information Systems

14th International Conference, MobiWIS 2017, Prague, Czech Republic, August 21-23, 2017, Proceedings

Springer This book constitutes the refereed proceedings of the 14th International Conference on Mobile Web and Intelligent Information Systems, MobiWIS 2017, held in Prague, Czech Republic, in August 2017. The 23 full papers together with 4 short papers presented in this volume were carefully reviewed and selected from 77 submissions. The call for papers of the MobiWis 2017 included new and emerging areas such as: mobile web systems, recommender systems, security and authentication, context-awareness, mobile web and advanced applications, cloud and IoT, mobility management, mobile and wireless networks, and mobile web practice and experience.

Intelligent Systems for Information Processing: From Representation to Applications

Elsevier Intelligent systems are required to enhance the capacities being made available to us by the internet and other computer based technologies. The theory necessary to help providing solutions to difficult problems in the construction of intelligent systems are discussed. In particular, attention is paid to situations in which the available information and data may be imprecise, uncertain, incomplete or of a linguistic nature. Various methodologies to manage such information are discussed. Among these are the probabilistic, possibilistic, fuzzy, logical, evidential and network-based frameworks. One purpose of the book is not to consider these methodologies separately, but rather to consider how they can be used cooperatively to better represent the multiplicity of modes of information. Topics in the book include representation of imperfect knowledge, fundamental issues in uncertainty, reasoning, information retrieval, learning and mining, as well as various applications. Key Features: • Tools for construction of intelligent systems • Contributions by world leading experts • Fundamental issues and applications • New technologies for web searching • Methods for modeling uncertain information • Future directions in web technologies • Transversal to methods and domains

2017 International Conference on Research and Innovation in Information Systems (ICRIIS)

Revitalising and transforming society and business via theory, strategy and implementation of intelligent solutions

Intelligent Information Systems

Proceedings of the IIS'2000 Symposium, Bystra, Poland, June 12–16, 2000

Springer Science & Business Media This volume contains articles accepted for presentation during The Intelligent Information Systems Symposium I1S'2000 which was held in Bystra, Poland, on June 12-16, 2000. This is ninth, in the order, symposium organized by the Institute of Computer Science of Polish Academy of Sciences and devoted to new trends in (broadly understood) Artificial Intelligence. The idea of organizing such meetings dates back to 1992. Our main in tention guided the first, rather small-audience, workshop in the series was to resume the results gained in Polish scientific centers as well as contrast them with the research performed by Polish scientists working at the uni versities in Europe and USA. This idea proved to be attractive enough that we decided to continue such meetings. As the years went by, the workshops has transformed into regular symposia devoted to such fields like Machine Learning, Knowledge Discovery, Natural Language Processing, Knowledge Based Systems and Reasoning, and Soft Computing (Le. Fuzzy and Rough Sets, Bayesian Networks, Neural Networks and Evolutionary Algorithms). At present, about 50 papers prepared by researches from Poland and other countries are usually presented. Besides, for several years now, the symposia are accompanied by a number of tutorials, given by the outstanding scientists in their domain. Up to this year the proceedings were published as our local publication and they were distributed among the scientific libraries. We feel however, that the subject matter as well as the quality of papers is sufficient to present the proceedings to a broader scientific audience.

Solutions on Embedded Systems

Springer *Embedded systems have an increasing importance in our everyday lives. The growing complexity of embedded systems and the emerging trend to interconnections between them lead to new challenges. Intelligent solutions are necessary to overcome these challenges and to provide reliable and secure systems to the customer under a strict time and financial budget. Solutions on Embedded Systems documents results of several innovative approaches that provide intelligent solutions in embedded systems. The objective is to present mature approaches, to provide detailed information on the implementation and to discuss the results obtained.*

Advances in Intelligent Systems and Computing III

Selected Papers from the International Conference on Computer Science and Information Technologies, CSIT 2018, September 11-14, Lviv, Ukraine

Springer *This book reports on new theories and applications in the field of intelligent systems and computing. It covers computational and artificial intelligence methods, as well as advances in computer vision, current issues in big data and cloud computing, computation linguistics, and cyber-physical systems. It also reports on data mining and knowledge extraction technologies, as well as central issues in intelligent information management. Written by active researchers, the respective chapters are based on papers presented at the International Conference on Computer Science and Information Technologies (CSIT 2018), held on September 11–14, 2018, in Lviv, Ukraine, and jointly organized by the Lviv Polytechnic National University, Ukraine, the Kharkiv National University of Radio Electronics, Ukraine, and the Technical University of Lodz, Poland, under patronage of Ministry of Education and Science of Ukraine. Given its breadth of coverage, the book provides academics and professionals with extensive information and a timely snapshot of the field of intelligent systems, and is sure to foster new discussions and collaborations among different groups.*

Report of the Secretary of the Senate from ...

Human Systems Engineering and Design II

Proceedings of the 2nd International Conference on Human Systems Engineering and Design (IHSED2019): Future Trends and Applications, September 16-18, 2019, Universität der Bundeswehr München, Munich, Germany

Springer *This book focuses on novel design and systems engineering approaches, including theories and best practices, for promoting a better integration of people and engineering systems. It covers a range of hot topics related to: development of human-centered systems; interface design and human-computer interaction; usability and user experience; emergent properties of human behavior; innovative materials in manufacturing, biomechanics, and sports medicine, safety engineering and systems complexity business analytics, design and technology and many more. The book, which gathers selected papers presented at the 2nd International Conference on Human Systems Engineering and Design: Future Trends and Applications (IHSED 2019), held on September 16-18, 2019, at Universität der Bundeswehr München, Munich, Germany, provides researchers, practitioners and program managers with a snapshot of the state-of-the-art and current challenges in the field of human systems engineering and design.*

Information Systems for Industry 4.0

Proceedings of the 18th Conference of the Portuguese Association for Information Systems

Springer *This book provides a selection of the best papers presented at the 18th Conference of the Portuguese Association for Information Systems (CAPSI), which was held in 2018. The focus of the conference and of these proceedings lies on the interplay between information systems and Industry 4.0. All contributions, which include original research, review papers and case studies, were peer-reviewed in a double blind process.*

Advances in Technological Applications of Logical and Intelligent Systems

Selected Papers from the Sixth Congress on Logic Applied to Technology

IOS Press *In the twentieth century, logic finally found a number of important applications and various new areas of research originated then, especially after the development of computing and the progress of the correlated domains of knowledge (artificial intelligence, robotics, automata, logical programming, hyper-computation, etc.). This happened not only in the field of classical logics, but also in the general field of non-classical logics. This reveals an interesting trait of the history of logic: despite its theoretical character, it constitutes, at present, an extraordinarily important tool in all domains of knowledge, in the same way as philosophy, mathematics, natural science, the humanities and technology. Moreover, certain new logics were inspired by the needs of specific areas of knowledge, and various new techniques and methods have been created, in part influenced and guided by logical views. Advances in Technological Applications of Logical and Intelligent Systems contains papers on relevant technological applications of logical methods and some of their extensions and gives a clear idea of some current applications of logical (and similar) methods to numerous problems, including relevant new concepts and results, in particular those related to paraconsistent logic. This book is of interest to a wide audience: pure logicians, applied logicians, mathematicians, philosophers and engineers.*

Trends and Applications in Information Systems and Technologies

Volume 1

Springer Nature *This book is composed of a selection of articles from The 2021 World Conference on Information Systems and Technologies (WorldCIST'21), held online between 30 and 31 of March and 1 and 2 of April 2021 at Hangra de Heroismo, Terceira Island, Azores, Portugal. WorldCIST is a global forum for researchers and practitioners to present and discuss recent results and innovations, current trends, professional experiences and challenges of modern information systems and technologies research, together with their technological development and applications. The main topics covered*

are: A) Information and Knowledge Management; B) Organizational Models and Information Systems; C) Software and Systems Modeling; D) Software Systems, Architectures, Applications and Tools; E) Multimedia Systems and Applications; F) Computer Networks, Mobility and Pervasive Systems; G) Intelligent and Decision Support Systems; H) Big Data Analytics and Applications; I) Human–Computer Interaction; J) Ethics, Computers & Security; K) Health Informatics; L) Information Technologies in Education; M) Information Technologies in Radiocommunications; N) Technologies for Biomedical Applications.

Information Systems: Crossroads for Organization, Management, Accounting and Engineering

ItAIS: The Italian Association for Information Systems

Springer Science & Business Media *This book examines a wide range of issues that characterize the current IT based innovation trends in organizations. It contains a collection of research papers focusing on themes of growing interest in the field of Information Systems, Organization Studies, Management, Accounting and Engineering. The book offers a multidisciplinary view on Information Systems with the aim of disseminating academic knowledge. It would be particularly relevant to IT practitioners such as information systems managers and IT consultants. The 12 sections cover a broad spectrum of topics including: eServices in Public and Private Sectors; Organizational Change and the Impact of ICT in Public and Private Sectors; Information and Knowledge Management; Human-Computer Interaction; Information Systems, Innovation Transfer, and New Business Models; Business Intelligence Systems, their Strategic Role and Organizational Impacts; New Ways to Work and Interact with the Internet; IS, IT and Security; Blending Design and Behavioral Research in Information Systems; Professional Skills, Certification of Curricula, Online Education and Communities; IS Design, IS Development, Metrics and Compliance; ICT4LAW: Information and communication technologies to help firms, public administrations, legislators and citizens to operate in a highly regulated world. The content of each section is based on a selection of original double-blind peer reviewed contributions.*

Information Systems

17th European, Mediterranean, and Middle Eastern Conference, EMCIS 2020, Dubai, United Arab Emirates, November 25–26, 2020, Proceedings

Springer Nature *This book constitutes the proceedings papers from the 17th European, Mediterranean, and Middle Eastern Conference on Information Systems, EMCIS 2020, held in Dubai, UAE, in November 2020. Due to the COVID-19 pandemic the conference took place virtually. EMCIS focuses on approaches that facilitate the identification of innovative research of significant relevance to the Information Systems discipline following sound research methodologies that lead to results of measurable impact. The 56 papers presented in this volume were carefully reviewed and selected from a total of 161 submissions to the main conference. They are grouped in section on Big Data and Analytics, Blockchain Technology and Applications, Digital Government, Digital Services and Social Media, Emerging Computing Technologies and Trends for Business Process Management, Enterprise Systems, Healthcare Information Systems, Information Systems Security and Information Privacy Protection, Innovative Research Projects, Management and Organisational Issues in Information Systems.*

Enterprise Information Systems: Concepts, Methodologies, Tools and Applications

Concepts, Methodologies, Tools and Applications

IGI Global *This three-volume collection, titled Enterprise Information Systems: Concepts, Methodologies, Tools and Applications, provides a complete assessment of the latest developments in enterprise information systems research, including development, design, and emerging methodologies. Experts in the field cover all aspects of enterprise resource planning (ERP), e-commerce, and organizational, social and technological implications of enterprise information systems.*

Geographic Information Systems: Concepts, Methodologies, Tools, and Applications

Concepts, Methodologies, Tools, and Applications

IGI Global *Developments in technologies have evolved in a much wider use of technology throughout science, government, and business; resulting in the expansion of geographic information systems. GIS is the academic study and practice of presenting geographical data through a system designed to capture, store, analyze, and manage geographic information. Geographic Information Systems: Concepts, Methodologies, Tools, and Applications is a collection of knowledge on the latest advancements and research of geographic information systems. This book aims to be useful for academics and practitioners involved in geographical data.*

Advances in 3D Image and Graphics Representation, Analysis, Computing and Information Technology

Algorithms and Applications, Proceedings of IC3DIT 2019, Volume 2

Springer Nature *This book gathers selected papers presented at the conference "Advances in 3D Image and Graphics Representation, Analysis, Computing and Information Technology," one of the first initiatives devoted to the problems of 3D imaging in all contemporary scientific and application areas. The aim of the conference was to establish a platform for experts to combine their efforts and share their ideas in the related areas in order to promote and accelerate future development. This second volume discusses algorithms and applications, focusing mainly on the following topics: 3D printing technologies; naked, dynamic and auxiliary 3D displays; VR/AR/MR devices; VR camera technologies; microprocessors for 3D data processing; advanced 3D computing systems; 3D data-storage technologies; 3D data networks and technologies; 3D data intelligent processing; 3D data cryptography and security; 3D visual quality estimation and measurement; and 3D decision support and information systems.*

Auditing with the Computer

Univ of California Press *This title is part of UC Press's Voices Revived program, which commemorates University of California Press's mission to seek out and cultivate the brightest minds and give them voice, reach, and impact. Drawing on a backlist dating to 1893, Voices Revived makes high-quality, peer-reviewed scholarship accessible once again using print-on-demand technology. This title was originally published in 1965.*

Encyclopedia of the City

<u>Taylor & Francis</u> *A first-class work of reference that will be both an essential resource for independent study as well as a useful aid in teaching: a solid but also provocative starting point for wider exploration of the city.*

Management Intelligent Systems

First International Symposium

<u>Springer Science & Business Media</u> *The 2012 International Symposium on Management Intelligent Systems is believed to be the first international forum to present and discuss original, rigorous and significant contributions on Artificial Intelligence-based (AI) solutions—with a strong, practical logic and, preferably, with empirical applications—developed to aid the management of organizations in multiple areas, activities, processes and problem-solving; i.e., what we propose to be named as Management Intelligent Systems (MiS). The three-day event aimed to bring together researchers interested in this promising interdisciplinary field who came from areas as varied as management, marketing, and business in general, computer science, artificial intelligence, statistics, etc. This volume presents the proceedings of these activities in a collection of contributions with many original approaches. They address diverse Management and Business areas of application such as decision support, segmentation of markets, CRM, product design, service personalization, organizational design, e-commerce, credit scoring, workplace integration, innovation management, business database analysis, workflow management, location of stores, etc. A wide variety of AI techniques have been applied to these areas such as multi-objective optimization and evolutionary algorithms, classification algorithms, ant algorithms, fuzzy rule-based systems, intelligent agents, Web mining, neural networks, Bayesian models, data warehousing, rough sets, etc. The symposium was organized by the Soft Computing and Intelligent Information Systems Research Group (http://sci2s.ugr.es) of the University of Granada (Spain) and the Bioinformatics, Intelligent System and Educational Technology Research Group (http://bisite.usal.es/) of the University of Salamanca (Spain). The present edition is held in Salamanca (Spain) on July 11-13, 2012.*

Electronic Government and the Information Systems Perspective

10th International Conference, EGOVIS 2021, Virtual Event, September 27–30, 2021, Proceedings

<u>Springer Nature</u> *This volume LNCS 12926 constitutes the papers of the 10th International Conference on Electronic Government and the Information Systems Perspective, EGOVIS 2021, held in September 2021 as part of the DEXA 2021 conference. The event was held virtually due to COVID-19 pandemic. The 13 full papers presented were carefully reviewed and selected from 21 submissions and focus on information systems and ICT aspects of e-government. The papers are organized in 3 topical sections: e-government theoretical background and cases; identity management and legal issues; artificial intelligence and machine learning in e-government context.*

Building Intelligent Information Systems Software

Introducing the Unit Modeler Development Technology

<u>Morgan Kaufmann</u> *Building Intelligent Information Systems Software shows scientists and engineers how to build applications that model complex information, data, and knowledge without the need for coding. Traditional software development takes time and leads to inflexible, complicated applications that almost, but don't exactly, meet the intended needs. Requirements can change, sometimes mid-development, and adapting existing systems can be difficult. Individual solutions can be incompatible, leading to information silos and inefficiency throughout an organization. This book offers a solution – the Information Unit Model, an innovative architecture for translating domain knowledge into applications. By encapsulating the complexities of computing, the Unit Model allows engineers to focus on business or experimental needs. Author Tom Feigenbaum, inventor of the Unit Modeler, demonstrates this innovative software architecture for rapid application design and development. His approach promotes repurposing pre-existing tools and libraries, and collaborating across the cloud, to promote information sharing and efficient development practices. Each concept is illustrated with examples including file management, data management, and 3D visualization. Turn your domain knowledge into applications without heavy coding Design and develop information systems applications in a fraction of the time of traditional methods Leverage previously-built components to jump start new projects Includes access to a trial version of the Information Unit Modeler tool for rapid application development*

Electricity Distribution

Intelligent Solutions for Electricity Transmission and Distribution Networks

<u>Springer</u> *This book introduces readers to novel, efficient and user-friendly software tools for power systems studies, to issues related to distributed and dispersed power generation, and to the correlation between renewable power generation and electricity demand. Discussing new methodologies for addressing grid stability and control problems, it also examines issues concerning the safety and protection of transmission and distribution networks, energy storage and power quality, and the application of embedded systems to these networks. Lastly, the book sheds light on the implications of these new methodologies and developments for the economics of the power industry. As such, it offers readers a comprehensive overview of state-of-the-art research on modern electricity transmission and distribution networks.*

Delivering Superior Health and Wellness Management with IoT and Analytics

<u>Springer Nature</u> *This in-depth book addresses a key void in the literature surrounding the Internet of Things (IoT) and health. By systematically evaluating the benefits of mobile, wireless, and sensor-based IoT technologies when used in health and wellness contexts, the book sheds light on the next frontier for healthcare delivery. These technologies generate data with significant potential to enable superior care delivery, self-empowerment, and wellness management. Collecting valuable insights and recommendations in one accessible volume, chapter authors identify key areas in health and wellness where IoT can be used, highlighting the benefits, barriers, and facilitators of these technologies as well as suggesting areas for improvement in current policy and regulations. Four overarching themes provide a suitable setting to examine the critical insights presented in the 31 chapters: Mobile- and sensor-based solutions Opportunities to incorporate critical aspects of analytics to provide superior insights and thus support better decision-making Critical issues around aspects of IoT in healthcare contexts Applications of portals in healthcare contexts A comprehensive overview that introduces the critical issues regarding the role of IoT technologies for health, Delivering Superior Health and Wellness Management with IoT and Analytics paves the way for scholars, practitioners, students, and other stakeholders to understand how to substantially improve health and wellness management on a global scale.*

Smart Business Systems for the Optimized Organization

Greenwood Publishing Group *One of the first books to probe the latest direction in computing technology, this innovative text explores ways in which smart business systems can help pick the best, most optimal, or near-optimal solutions from among hundreds, even thousands of possibilities that threaten to swamp organizational decision makers daily. Well-illustrated with examples and discussions of typical applications in such areas as strategic planning, marketing, manufacturing, and accounting, the book will help managers at all levels tie their organization's critical success factors into its key performance indicators and financial ratios.*

Advances in Information Systems Development

New Methods and Practice for the Networked Society Volume 1

Springer Science & Business Media *This monograph details the proceedings of the 15th International Conference on Information Systems Development. ISD is progressing rapidly, continually creating new challenges for the professionals involved. New concepts, approaches and techniques of systems development emerge constantly in this field. Progress in ISD comes from research as well as from practice. The aim of the Conference was to provide an international forum for the exchange of ideas and experiences between academia and industry, and to stimulate the exploration of new solutions.*

Machine Learning Techniques for Smart City Applications: Trends and Solutions

Springer Nature *This book discusses the application of different machine learning techniques to the sub-concepts of smart cities such as smart energy, transportation, waste management, health, infrastructure, etc. The focus of this book is to come up with innovative solutions in the above-mentioned issues with the purpose of alleviating the pressing needs of human society. This book includes content with practical examples which are easy to understand for readers. It also covers a multi-disciplinary field and, consequently, it benefits a wide readership including academics, researchers, and practitioners.*

Computational Intelligence in Security for Information Systems

CISIS'09, 2nd International Workshop Burgos, Spain, September 2009 Proceedings

Springer *The Second International Workshop on Computational Intelligence for Security in Information Systems (CISIS'09) presented the most recent developments in the - namically expanding realm of several fields such as Data Mining and Intelligence, Infrastructure Protection, Network Security, Biometry and Industrial Perspectives. The International Workshop on Computational Intelligence for Security in Infor- tion Systems (CISIS) proposes a forum to the different communities related to the field of intelligent systems for security. The global purpose of CISIS conferences has been to form a broad and interdisciplinary meeting ground offering the opportunity to interact with the leading industries actively involved in the critical area of security, and have a picture of the current solutions adopted in practical domains. This volume of Advances in Intelligent and Soft Computing contains accepted - rd th pers presented at CISIS'09, which was held in Burgos, Spain, on September 23 -26 , 2009. After a through peer-review process, the International Program Committee selected 25 papers which are published in this workshop proceedings. This allowed the Scientific Committee to verify the vital and crucial nature of the topics involved in the event, and resulted in an acceptance rate close to 50% of the originally submitted manuscripts.*

Trends and Innovations in Information Systems and Technologies

Volume 2

Springer Nature *This book gathers selected papers presented at the 2020 World Conference on Information Systems and Technologies (WorldCIST'20), held in Budva, Montenegro, from April 7 to 10, 2020. WorldCIST provides a global forum for researchers and practitioners to present and discuss recent results and innovations, current trends, professional experiences with and challenges regarding various aspects of modern information systems and technologies. The main topics covered are A) Information and Knowledge Management; B) Organizational Models and Information Systems; C) Software and Systems Modeling; D) Software Systems, Architectures, Applications and Tools; E) Multimedia Systems and Applications; F) Computer Networks, Mobility and Pervasive Systems; G) Intelligent and Decision Support Systems; H) Big Data Analytics and Applications; I) Human–Computer Interaction; J) Ethics, Computers & Security; K) Health Informatics; L) Information Technologies in Education; M) Information Technologies in Radiocommunications; and N) Technologies for Biomedical Applications.*

Innovations in Classification, Data Science, and Information Systems

Proceedings of the 27th Annual Conference of the Gesellschaft für Klassifikation e.V., Brandenburg University of Technology, Cottbus, March 12-14, 2003

Springer Science & Business Media *The volume presents innovations in data analysis and classification and gives an overview of the state of the art in these scientific fields and applications. Areas that receive considerable attention in the book are discrimination and clustering, data analysis and statistics, as well as applications in marketing, finance, and medicine. The reader will find material on recent technical and methodological developments and a large number of applications demonstrating the usefulness of the newly developed techniques.*

Knowledge Engineering for Modern Information Systems

Methods, Models and Tools

Walter de Gruyter GmbH & Co KG *This book presents an extensive collection of the recent findings and innovative research in the information system and knowledge engineering domain. Knowledge engineering is a field within artificial intelligence that develops in particular systems that use knowledge, rather than data, to solve many computing problems, that would usually require high levels of human expertise.*

Intelligent Transport Systems and Travel Behaviour

13th Scientific and Technical Conference "Transport Systems. Theory and Practice 2016" Katowice, Poland, September 19-21, 2016 Selected Papers

Springer *Does application of countdown timers at traffic lights affect pedestrian safety? How can one model walking routes in transport systems using open source tools? What features should be particularly taken into account while implementing highly advanced ICT components in contemporary towns? What scenario for the development of Intelligent Transport Systems should be chosen for a specific area? How to estimate the impact of the substances emitted by vehicles on climate changes? Answers to these and many other questions can be found in this publication. It also comprises numerous analyses based on legitimate data sources, presenting the close relation between travel behaviours and the organisational as well as technical changes introduced in what is contemporarily referred as smart cities. At present and in the nearest future, technologically advanced transport systems require and will require considerable development of electromobility and the emphasis being placed on multimodality, therefore all these problems have been properly addressed in this publication. With regard to the research results discussed and the selected solutions which find practical application, the publication is dedicated to three groups of recipients: ·Scientists and researchers (ITS field) ·Local authorities (responsible for the transport system on the urban and the regional level) ·Representatives of business (traffic strategy management) and industry (manufacturers of ITS components). The publication entitled Intelligent Transport Systems and Travel Behaviour contains selected papers submitted to and presented at the 13th "Transport Systems. Theory and Practice" Scientific and Technical Conference organised by the Department of Transport Systems and Traffic Engineering at the Faculty of Transport of the Silesian University of Technology. The conference was held on 19-21 September 2016 in Katowice (Poland). More details at www.TSTP.polsl.pl*