
Read PDF Intelligent Multimedia Technologies For Networking Applications Techniques And Tools

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INTELLIGENT MULTIMEDIA TECHNOLOGIES FOR NETWORKING APPLICATIONS: TECHNIQUES AND TOOLS

TECHNIQUES AND TOOLS

IGI Global As ubiquitous multimedia applications benefit from the rapid development of intelligent multimedia technologies, there is an inherent need to present frameworks, techniques and tools that adopt these technologies to a range of networking applications. Intelligent Multimedia Technologies for Networking Applications: Techniques and Tools promotes the discussion of specific solutions for improving the quality of multimedia experience while investigating issues arising from the deployment of techniques for adaptive video streaming. This reference source provides relevant theoretical frameworks and leading empirical research findings and is suitable for practitioners and researchers in the area of multimedia technology.

COMPUTER VISION AND IMAGE PROCESSING IN INTELLIGENT SYSTEMS AND MULTIMEDIA TECHNOLOGIES

IGI Global The fields of computer vision and image processing are constantly evolving as new research and applications in these areas emerge. Staying abreast of the most up-to-date developments in this field is necessary in order to promote further research and apply these developments in real-world settings. Computer Vision and Image Processing in Intelligent Systems and Multimedia Technologies features timely and informative research on the design and development of computer vision and image processing applications in intelligent agents as well as in multimedia technologies. Covering a diverse set of research in these areas, this publication is ideally designed for use by academicians, technology professionals, students, and researchers interested in uncovering the latest innovations in the field.

ARTIFICIAL INTELLIGENCE APPLICATIONS IN INFORMATION AND COMMUNICATION TECHNOLOGIES

Springer This book presents various recent applications of Artificial Intelligence in Information and Communication Technologies such as Search and Optimization methods, Machine Learning, Data Representation and Ontologies, and Multi-agent Systems. The main aim of this book is to help Information and Communication Technologies (ICT) practitioners in managing efficiently their platforms using AI tools and methods and to provide them with sufficient Artificial Intelligence background to deal with real-life problems.

TECHNIQUES AND PRINCIPLES IN THREE-DIMENSIONAL IMAGING: AN INTRODUCTORY APPROACH

AN INTRODUCTORY APPROACH

IGI Global "This book provides the reader with a concrete understanding of basic principles and pitfalls for 3-D capturing, highlighting stereoscopic imaging systems including holography"--

(R)EVOLUTIONIZING POLITICAL COMMUNICATION THROUGH SOCIAL MEDIA

IGI Global Online platforms have widened the availability for citizen engagement and opportunities for politicians to interact with their constituents. The increasing use of these technologies has transformed methods of governmental communication in online and offline environments. (R)evolutionizing Political Communications through Social Media offers crucial perspectives on the utilization of online social networks in political discourse and how these alterations have affected previous modes of correspondence. Highlighting key issues through theoretical foundations and pertinent case studies, this book is a pivotal reference source for researchers, professionals, upper-level students, and consultants interested in the influence of emerging technologies in the political arena.

ENGAGING CONSUMERS THROUGH BRANDED ENTERTAINMENT AND CONVERGENT MEDIA

IGI Global Branded entertainment is gaining popularity within marketing communications strategies. Blurring the lines between advertisements and editorial content, branded marketing provides advertisers and consumers with highly engaging media content that benefits them both. Engaging Consumers through Branded Entertainment and Convergent Media provides an interdisciplinary approach to connecting with the consumer through branding strategies in the entertainment and media fields. Featuring information regarding emergent research and techniques, this publication is a critical reference source for academics, university teachers, researchers and post-graduate students, as well as universities, advertising agencies, marketing directors, brand managers, and professionals interested in the usage and benefits of branded entertainment.

RESEARCH ANTHOLOGY ON PHYSICAL AND INTELLECTUAL DISABILITIES IN AN INCLUSIVE SOCIETY

IGI Global Discussions surrounding inclusivity have grown exponentially in recent years. In today's world where diversity, equity, and inclusion are the hot topics in all aspects of society, it is more important than ever to define what it means to be an inclusive society, as well as challenges and potential growth. Those with physical and intellectual disabilities, including vision and hearing impairment, Down syndrome, locomotor disability, and more continue to face challenges of accessibility in their daily lives, especially when facing an increasingly digitalized society. It is crucial that research is brought up to date on the latest assistive technologies, educational practices, work assistance, and online support that can be provided to those classified with a disability. The Research Anthology on Physical and Intellectual Disabilities in an Inclusive Society provides a comprehensive guide of a range of topics relating to myriad aspects, difficulties, and opportunities of becoming a more inclusive society toward those with physical or intellectual disabilities. Covering everything from disabilities in education, sports, marriages, and more, it is essential for psychologists, psychiatrists, pediatricians, psychiatric nurses, clinicians, special education teachers, social workers, hospital administrators, mental health specialists, managers, academicians, rehabilitation centers, researchers, and students who wish to learn more about what it means to be an inclusive society and best practices in order to get there.

ANALYZING DIGITAL DISCOURSE AND HUMAN BEHAVIOR IN MODERN VIRTUAL ENVIRONMENTS

IGI Global Though humans have been communicating through virtual mediators since the invention of the telephone, new technologies make the use of virtual communications even more immediate and pervasive than ever before. By understanding the theories and models behind virtual communication, one can understand the way society has been changed and how it will continue to do so. Analyzing Digital Discourse and Human Behavior in Modern Virtual Environments examines the implications of virtual communication and online interaction and the theories and trends associated with them. It will discuss and address the differences and challenges that develop when communicating virtually and explore the various influences virtual communication plays in work, education, and quotidian life. This title provides a foundation of emerging trends from which new theories and models of communication can grow. This book will become a cherished resource for academics, researchers, technology developers, students, and government or institutional leaders.

EMPIRICAL RESEARCH ON SEMIOTICS AND VISUAL RHETORIC

IGI Global The study of symbols has long been considered a necessary field to unravel concealed meanings in symbols and images. These methods have since established themselves as staples in various fields of psychology, anthropology, computer science, and cognitive science. Empirical Research on Semiotics and Visual Rhetoric is a critical academic publication that examines communication through images and symbols and the methods by which researchers and scientists analyze these images and symbols. Featuring coverage on a wide range of topics, such as material culture, congruity theory, and social media, this publication is geared toward academicians, researchers, and students seeking current research on images, symbols, and how to analyze them.

EXPLORING TRANSMEDIA JOURNALISM IN THE DIGITAL AGE

IGI Global Since the advent of digitization, the conceptual confusion surrounding the semantic galaxy that comprises the media and journalism universes has increased. Journalism across several media platforms provides rapidly expanding content and audience engagement that assist in enhancing the journalistic experience. Exploring Transmedia Journalism in the Digital Age provides emerging research on multimedia journalism across various platforms and formats using digital technologies. While highlighting topics, such as immersive journalism, nonfictional narratives, and design practice, this book explores the theoretical and critical approaches to journalism through the lens of various technologies and media platforms. This book is an important resource for scholars, graduate and undergraduate students, and media professionals seeking current research on media expansion and participatory journalism.

NEW MEDIA AND COMMUNICATION ACROSS RELIGIONS AND CULTURES

IGI Global "This book offers a unique opportunity in both the social sciences, humanities, and communication fields to provide concrete concepts and notions in the areas of inter-religious and inter-cultural dialogue"--

EXCHANGING TERRORISM OXYGEN FOR MEDIA AIRWAVES: THE AGE OF TERROREDIA

THE AGE OF TERROREDIA

IGI Global Terroredia is a newly coined term by the editor, Dr. Mahmoud Eid, to explain the phenomenal, yet under-researched relationship between terrorists and media professionals in which acts of terrorism and media coverage are exchanged, influenced, and fueled by one another. Exchanging Terrorism Oxygen for Media Airwaves: The Age of Terroredia provides a timely and thorough discussion on a wide range of issues surrounding terrorism in relation to both traditional and new media. Comprised of insights and research from leading experts in the fields of terrorism and media studies, this publication presents various topics relating to Terroredia: understanding of terrorism and the role of the media, terrorism manifestations and media representations of terrorism, types of terrorism and media stereotypes of terrorism, terrorism tactics and media strategies, the war on terrorism, the function of terrorism and the employment of the media, new terrorism and new media, contemporary cases of terrorist-media interactions, the rationality behind terrorism and counterterrorism, as well as the responsibility of the media. This publication is of interest to government officials, media professionals, researchers, and upper-level students interested in learning more about the complex relationship between terrorism and the media.

CONVERGENCE OF BROADBAND, BROADCAST, AND CELLULAR NETWORK TECHNOLOGIES

IGI Global In the ever-evolving telecommunication industry, technological improvements alone are not able to keep up with the significant growth of mobile broadband traffic. As such, new research on communications networks is necessary to keep up with rising demand. Convergence of Broadband, Broadcast, and Cellular Network Technologies addresses the problems of broadband, broadcast, and cellular coexistence, including the increasing number of advanced mobile users and their bandwidth demands. This book will serve as a link between academia and industry, serving students, researchers, and industry professionals.

MULTIDISCIPLINARY PERSPECTIVES ON TELECOMMUNICATIONS, WIRELESS SYSTEMS, AND MOBILE COMPUTING

IGI Global The development of new information and communication technologies has a considerable impact on the way humans interact with each other and their environment. The proper use of these technologies is an important consideration in the success of modern human endeavors. Multidisciplinary Perspectives on Telecommunications, Wireless Systems, and Mobile Computing explores some of the latest advances in wireless communication technologies, making use of empirical research and analytical case studies to evaluate best practices in the discipline. This book will provide insight into the next generation of information and communication technologies for developers, engineers, students, researchers, and managers in the telecommunications field.

ENVIRONMENTAL AWARENESS AND THE ROLE OF SOCIAL MEDIA

IGI Global Social media has quickly become one of the most effective tools in reaching masses of people. As environmental issues are becoming more prevalent and frequently acknowledged, social media is playing an important role in sharing various environmental problems as well as suitable solutions. Environmental Awareness and the Role of Social Media is an essential reference source for individuals seeking to raise awareness of environmental issues through social media platforms. The book examines social media's use in disaster awareness, sustainability promotion, and marketing environmentally friendly products from an international perspective. This book is an excellent resource for environmentalists, environmental activists, scientists, public figures, policy makers, academicians, and individuals interested in research focused on the impact of social media on issues that affect the entire planet.

MODERN TRENDS SURROUNDING INFORMATION TECHNOLOGY STANDARDS AND STANDARDIZATION WITHIN ORGANIZATIONS

IGI Global In fields as diverse as research and development, governance, and international trade, success depends on effective communication. However, limited research exists on how professionals can express themselves consistently across disciplines. Modern Trends Surrounding Information Technology Standards and Standardization within Organizations showcases the far-ranging economic and societal ramifications incited by technical standardization between individuals, organizations, disciplines, and nations. This publication serves as a valuable model for inter-disciplinary scholars, IT researchers, and professionals interested in the link between technology and social change in an increasingly networked and interconnected global society.

INNOVATIONS IN SOFTWARE-DEFINED NETWORKING AND NETWORK FUNCTIONS VIRTUALIZATION

IGI Global The advancement of technology is a standard of modern daily life, whether it be the release of a new cellphone, computer, or a self-driving car. Due to this constant advancement, the networks on which these technologies operate must advance as well. Innovations in Software-Defined Networking and Network Functions Virtualization is a critical scholarly publication that observes the advances made in network infrastructure through achieving cost efficacy while maintaining maximum flexibility for the formation and operation of these networks. Featuring coverage on a broad selection of topics, such as software-defined storage, openflow controller, and storage virtualization, this publication is geared toward professionals, computer engineers, academicians, students, and researchers seeking current and relevant research on the advancements made to network infrastructures.

MODERN TECHNOLOGIES FOR BIG DATA CLASSIFICATION AND CLUSTERING

IGI Global Data has increased due to the growing use of web applications and communication devices. It is necessary to develop new techniques of managing data in order to ensure adequate usage. Modern Technologies for Big Data Classification and Clustering is an essential reference source for the latest scholarly research on handling large data sets with conventional data mining and provide information about the new technologies developed for the management of large data. Featuring coverage on a broad range of topics such as text and web data analytics, risk analysis, and opinion mining, this publication is ideally designed for professionals, researchers, and students seeking current research on various concepts of big data analytics.

BIG DATA APPLICATIONS IN THE TELECOMMUNICATIONS INDUSTRY

IGI Global The growing presence of smart phones and smart devices has caused significant changes to wireless networks. With the ubiquity of these technologies, there is now increasingly more available data for mobile operators to utilize. Big Data Applications in the Telecommunications Industry is a comprehensive reference source for the latest scholarly material on the use of data analytics to study wireless networks and examines how these techniques can increase reliability and profitability, as well as network performance and connectivity. Featuring extensive coverage on relevant topics, such as accessibility, traffic data, and customer satisfaction, this publication is ideally designed for engineers, students, professionals, academics, and researchers seeking innovative perspectives on data science and wireless network communications.

INTERNATIONAL BUSINESS: CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS

CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS

IGI Global Business transactions and partnerships across borders have become easier than ever due to globalization and global digital connectivity. As part of this shift in the business sphere, managers, executives, and strategists across industries must acclimate themselves with the challenges and opportunities for conducting business globally. International Business: Concepts, Methodologies, Tools, and Applications presents the latest research innovations focusing on cross-cultural communications and training, international relations, multinational enterprises, outsourcing, international business strategies, and competitive advantage in the global marketplace. This publication is an exhaustive multi-volume work essential to academic and corporate libraries who serve researchers, scholars, business executives and professionals, and graduate-level business students.

INTELLIGENT MULTIMEDIA COMMUNICATION: TECHNIQUES AND APPLICATIONS

Springer Multimedia data are used more and more widely in human being's life, e.g., videoconferencing, visual telephone, IPTV, etc. Nearly most of the applications need multimedia transmission techniques that send multimedia data from one side to another side and keep the properties of efficiency, robustness and security. Here, the efficiency denotes the time cost of transmission operations, the robustness denotes the ability to survive transmission errors or noises, and the security denotes the protection of the transmitted media content. Recently, various intelligent or innovative techniques are invented, which bring vast performance improvements to practical applications. For example, such content transmission techniques as p2p, sensor network and ad hoc network are constructed, which adaptively use the peers' properties to improve the network's resources. Multimedia adaptation techniques can adjust the multimedia data rate in order to compliant with the network's bandwidth. Scalable encryption techniques can generate the data stream that can be correctly decrypted after bit rate conversion. Ubiquitous multimedia services make the user share any kind of content anywhere. The book includes fourteen chapters highlighting current concepts, issues and emerging technologies. Distinguished scholars from many prominent research institutions around the world contribute to the book. The book covers various aspects, including not only some fundamental knowledge and the latest key techniques, but also typical applications and open issues. For example, the covered topics include the present and future video coding standards, stereo and multiview coding techniques, free-viewpoint TV techniques, wireless broadcasting techniques, media streaming techniques, wireless media transmission techniques and systems, and User-Generated Content sharing.

GENEDIS 2016

GERIATRICS

Springer The 2nd World Congress on Genetics, Geriatrics and Neurodegenerative Disease Research (GeNeDis 2016), will focus on recent advances in geriatrics and neurodegeneration, ranging from basic science to clinical and pharmaceutical developments and will provide an international focus for the latest scientific discoveries, medical practices, and care initiatives. Advances information technologies will be discussed along with their implications for various research, implementation, and policy concerns. In addition, the conference will address European and global issues in the funding of long-term care and medico-social policies regarding elderly people. GeNeDis 2016 takes place in Sparta, Greece, 20-23 October, 2016. This volume focuses on the sessions that address geriatrics.

INTELLIGENT MEDIA TECHNOLOGY FOR COMMUNICATIVE INTELLIGENCE

SECOND INTERNATIONAL WORKSHOP, IMTCI 2004, WARSAW, POLAND, SEPTEMBER 13-14, 2004. REVISED SELECTED PAPERS

Springer The 2nd Workshop on Intelligent Media Technology for Communicative Intelligence commemorating the 10th anniversary of the Polish-Japanese Institute of Information Technology in Warsaw aimed to explore the current research topics in the field of intelligent media technologies for communicative intelligence. Communicative intelligence represents a new challenge towards building a super-intelligence on the ubiquitous global network by accumulating a huge amount of human and knowledge resources. The term "communicative intelligence" reflects the view that communication is at the very core of intelligence and its creation. Communication permits novel ideas to emerge from intimate interactions by multiple agents, ranging from collaboration to competition. The recent advance of information and communication technologies has established an information infrastructure that allows humans and artifacts to communicate with each other beyond space and time. It enables us to advance a step further to realize a communicative intelligence with many fruitful applications. Intelligent media technologies attempt to capture and augment people's communicative activities by embedding computers into the environment to enhance interactions in an unobtrusive manner. The introduction of embodied conversational agents that might mediate conversations among people in a social context is the next step in the process. The scope of intelligent media technologies includes design and development of intelligent supports for content production, distribution, and utilization, since content is crucial for communication in many applications. The promising applications of intelligence media technologies include e-learning, knowledge management systems, e-democracy, and other communication-intensive subject domains.

WEB, ARTIFICIAL INTELLIGENCE AND NETWORK APPLICATIONS

PROCEEDINGS OF THE WORKSHOPS OF THE 33RD INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION NETWORKING AND APPLICATIONS (WAINA-2019)

Springer The aim of the book is to provide latest research findings, innovative research results, methods and development techniques from both theoretical and practical perspectives related to the emerging areas of Web Computing, Intelligent Systems and Internet Computing. As the Web has become a major source of information, techniques and methodologies that extract quality information are of paramount importance for many Web and Internet applications. Data mining and knowledge discovery play key roles in many of today's prominent Web applications such as e-commerce and computer security. Moreover, the outcome of Web services delivers a new platform for enabling service-oriented systems. The emergence of large scale distributed computing paradigms, such as Cloud Computing and Mobile Computing Systems, has opened many opportunities for collaboration services, which are at the core of any Information System. Artificial Intelligence (AI) is an area of computer science that build intelligent systems and algorithms that work and react like humans. The AI techniques and computational intelligence are powerful tools for learning, adaptation, reasoning and planning. They have the potential to become enabling technologies for the future intelligent networks. Recent research in the field of intelligent systems, robotics, neuroscience, artificial intelligence and cognitive sciences are very important for the future development and innovation of Web and Internet applications.

INTELLIGENT MULTIMEDIA TECHNOLOGIES FOR NETWORKING APPLICATIONS

TECHNIQUES AND TOOLS

"This book promotes the discussion of specific solutions for improving the quality of multimedia experience while investigating issues arising from the deployment of techniques for adaptive video streaming"--Provided by publisher.

MULTIMEDIA TECHNOLOGY FOR APPLICATIONS

Wiley-IEEE Press "With an emphasis on consumer electronics, the contributing authors to Multimedia Technology for Applications present the very latest advances in signal processing, communications and networking, computer databases, and circuits and systems as they relate to multimedia technology and applications. Topics covered include: multimedia systems; standards, and trends; submicro electronic enabling technologies; digital library servers; networking; multimedia signal processing and applications"--Publisher's description.

SENSOR NETWORK METHODOLOGIES FOR SMART APPLICATIONS

IGI Global Technologies in today's society are rapidly developing at a pace that is challenging to stay up to date with. As an increasing number of global regions are implementing smart methods and strategies for sustainable development, they are continually searching for modern advancements within computer science, sensor networks, software engineering, and smart technologies. A compilation of research is needed that displays current applications of computing methodologies in the progression of global cities and how smart technologies are being utilized. Sensor Network Methodologies for Smart Applications is a collection of innovative research on the methods of intelligent systems and technologies and their various applications within sustainable development practices. While highlighting topics including machine learning, network security, and optimization algorithms, this book is ideally designed for researchers, scientists, developers, programmers, engineers, educators, policymakers, geographers, planners, and students seeking current research on smart technologies and sensor networks.

HANDBOOK OF SOCIAL NETWORK TECHNOLOGIES AND APPLICATIONS

Springer Social networking is a concept that has existed for a long time; however, with the explosion of the Internet, social networking has become a tool for people to connect and communicate in ways that were impossible in the past. The recent development of Web 2.0 has provided many new applications, such as Myspace, Facebook, and LinkedIn. The purpose of Handbook of Social Network Technologies and Applications is to provide comprehensive guidelines on the current and future trends in social network technologies and applications in the field of Web-based Social Networks. This handbook includes contributions from world experts in the field of social networks from both academia and private industry. A number of crucial topics are covered including Web and software technologies and communication technologies for social networks. Web-mining techniques, visualization techniques, intelligent social networks, Semantic Web, and many other topics are covered. Standards for social networks, case studies, and a variety of applications are covered as well.

DIRECTORY OF POSTGRADUATE STUDIES 2002

THE HANDBOOK OF COMPUTER NETWORKS, DISTRIBUTED NETWORKS, NETWORK PLANNING, CONTROL, MANAGEMENT, AND NEW TRENDS AND APPLICATIONS

John Wiley & Sons Incorporated The Handbook of Computer Networks is the third set of reference books from leading author and Professor of Management Information Systems at California State University, Bakersfield, Hossein Bidgoli. The Handbook of Computer Networks is designed to arm researchers, practitioners, students, and managers with in-depth understanding of this important and fast growing field in its broadest scope and in an applied and functional framework. Each volume incorporates state of the art core information and networking topics, practical applications and coverage of the emerging issues in the computer networking and data communications fields.

INTELLIGENT QUALITY OF SERVICE TECHNOLOGIES AND NETWORK MANAGEMENT: MODELS FOR ENHANCING COMMUNICATION

MODELS FOR ENHANCING COMMUNICATION

IGI Global "This book "quality of service" in organizations, offering fundamental knowledge on the subject, describing the significance of network management and the integration of knowledge to demonstrate how network management is related to QoS in real applications"--Provided by publisher.

SERVICE PROVISION

TECHNOLOGIES FOR NEXT GENERATION COMMUNICATIONS

John Wiley & Sons This book provides the first overview of the service technologies available to telecoms operators working in a post-convergence world. Previous books have focused either on computer networks or on telecoms networks. This is the first to bring the two together and provide a single reference source for information that is currently only to be found in disparate journals, tool specifications and standards documents. In order to provide such broad coverage of the topic in a structured and logical fashion, the book is divided into 3 parts. The first part looks at the underlying network support for services and aims to explain the technology that makes the user-visible services possible. This section covers multimedia networking, both traditional (legacy) and future (softswitch) call processing, intelligent networks, the Internet, and Wireless networks. Part 2 deals with how these services may be analysed and managed. Chapters cover topics such as commercial issues, service management, quality of service, security, standards and APIs. Part 3 concludes the book by looking ahead at evolving technologies and more speculative possibilities, discussing the kinds of services that may be possible in the future and the technologies that will support them. Focuses is on how the technology supports the services, rather than on technology for its own sake Contributors drawn from both academia and industry (companies such as Marconi, BT, Telcordia, Cisco, Analysys) to give both theoretical and real-world perspectives Unique single-reference source for a wide range of material currently found only in disparate papers, specs and documentation Covers brand new technologies such as JAIN, JTAPI, Parlay, IP, multimedia networking, active networks, WAP, wireless LANs, agent-based services, etc.

THE HANDBOOK OF COMPUTER NETWORKS

Wiley The Handbook of Computer Networks is the first single, comprehensive treatment of the subject available. Written by noted author and expert Hossein Bidgoli, this three-volume masterpiece presents an in-depth understanding of computer networks that is broad in scope and practical in application. Each volume covers a wide range of topics with state-of-the-art information, practical applications, and emerging issues. Whether you're an IT manager, researcher, or student, this is the ideal resource on every aspect of networking.

MOBILE INTELLIGENCE

John Wiley & Sons * Focuses on learning patterns and knowledge from data generated by mobile users and mobile technology. * Covers research and application issues in applying computational intelligence applications to mobile computing * Delivers benefits to a wide range of applications * Introduces the state of the art of computational intelligence to the mobile paradigm

MULTIMEDIA TECHNOLOGIES

IGI Global "This book offers an in-depth explanation of multimedia technologies within their many specific application areas as well as presenting developing trends for the future"--Provided by publisher.

THE HANDBOOK OF COMPUTER NETWORKS, KEY CONCEPTS, DATA TRANSMISSION, AND DIGITAL AND OPTICAL NETWORKS

John Wiley & Sons Incorporated A complete and in-depth introduction to computer networks and networking In this first volume of The Handbook of Computer Networks, readers will get a complete overview of the key concepts of computers networks, data transmission, and digital and optical networks. Providing a comprehensive examination of computer networks, the book is designed for both undergraduate students and professionals working in a variety of computer network-dependent industries. With input from over 270 experts in the field, the text offers an easy-to-follow progression through each topic and focuses on fields and technologies that have widespread application in the real world.

COMPUTATIONAL INTELLIGENCE FOR MULTIMEDIA BIG DATA ON THE CLOUD WITH ENGINEERING APPLICATIONS

Academic Press Computational Intelligence for Multimedia Big Data on the Cloud with Engineering Applications covers timely topics, including the neural network (NN), particle swarm optimization (PSO), evolutionary algorithm (GA), fuzzy sets (FS) and rough sets (RS), etc. Furthermore, the book highlights recent research on representative techniques to elaborate how a data-centric system formed a powerful platform for the processing of cloud hosted multimedia big data and how it could be analyzed, processed and characterized by CI. The book also provides a view on how techniques in CI can offer solutions in modeling, relationship pattern recognition, clustering and other problems in bioengineering. It is written for domain experts and developers who want to understand and explore the application of computational intelligence aspects (opportunities and challenges) for design and development of a data-centric system in the context of multimedia cloud, big data era and its related applications, such as smarter healthcare, homeland security, traffic control trading analysis and telecom, etc. Researchers and PhD students exploring the significance of data centric systems in the next paradigm of computing will find this book extremely useful. Presents a brief overview of computational intelligence paradigms and its significant role in application domains Illustrates the state-of-the-art and recent developments in the new theories and applications of CI approaches Familiarizes the reader with computational intelligence concepts and technologies that are successfully used in the implementation of cloud-centric multimedia services in massive data processing Provides new advances in the fields of CI for bio-engineering application

PROCEEDINGS

METHODS AND APPLICATIONS FOR ADVANCING DISTANCE EDUCATION TECHNOLOGIES: INTERNATIONAL ISSUES AND SOLUTIONS

INTERNATIONAL ISSUES AND SOLUTIONS

IGI Global Provides communication technologies, intelligent technologies, and quality educational pedagogy for advancing distance education for both teaching and learning.

ENCYCLOPEDIA OF MULTIMEDIA TECHNOLOGY AND NETWORKING

IGI Global "This publication offers a research compendium of human knowledge related to the emerging multimedia digital metamarket"--Provided by publisher.