
Download Free Pdf Computing Cloud In Algorithms Balancing Load Static

As recognized, adventure as with ease as experience practically lesson, amusement, as well as promise can be gotten by just checking out a books **Pdf Computing Cloud In Algorithms Balancing Load Static** afterward it is not directly done, you could allow even more around this life, nearly the world.

We give you this proper as capably as simple exaggeration to acquire those all. We find the money for Pdf Computing Cloud In Algorithms Balancing Load Static and numerous ebook collections from fictions to scientific research in any way. in the midst of them is this Pdf Computing Cloud In Algorithms Balancing Load Static that can be your partner.

KEY=COMPUTING - TIMOTHY HAYNES

ROLE OF EDGE ANALYTICS IN SUSTAINABLE SMART CITY DEVELOPMENT

CHALLENGES AND SOLUTIONS

John Wiley & Sons

INNOVATIONS IN CYBER PHYSICAL SYSTEMS

SELECT PROCEEDINGS OF ICICPS 2020

Springer Nature **The book presents a collection of peer-reviewed articles from the International Conference on Innovations in Cyber Physical Systems (ICICPS 2020). The conference provided opportunities for the presentation of new research results and discussion about them. It was also an opportunity to generation of new ideas in all CPS aspects, including theory, tools, applications, systems, test-beds and field deployments. The range of topics explored is wide, and covers security, control, optimization, machine learning, game theory, mechanism design, mobile and cloud computing, model-based design, verification, data mining/analytics, signal processing, and human-in-the-loop**

shared or supervisory control. This book will be useful to researchers, students, industrialist, developers, and practitioners alike.

SMART AND SUSTAINABLE INTELLIGENT SYSTEMS

John Wiley & Sons The world is experiencing an unprecedented period of change and growth through all the electronic and technological developments and everyone on the planet has been impacted. What was once 'science fiction', today it is a reality. This book explores the world of many of once unthinkable advancements by explaining current technologies in great detail. Each chapter focuses on a different aspect - Machine Vision, Pattern Analysis and Image Processing - Advanced Trends in Computational Intelligence and Data Analytics - Futuristic Communication Technologies - Disruptive Technologies for Future Sustainability. The chapters include the list of topics that spans all the areas of smart intelligent systems and computing such as: Data Mining with Soft Computing, Evolutionary Computing, Quantum Computing, Expert Systems, Next Generation Communication, Blockchain and Trust Management, Intelligent Biometrics, Multi-Valued Logical Systems, Cloud Computing and security etc. An extensive list of bibliographic references at the end of each chapter guides the reader to probe further into application area of interest to him/her.

NOVEL PRACTICES AND TRENDS IN GRID AND CLOUD COMPUTING

IGI Global Business and IT organizations are currently embracing new strategically sound concepts in order to be more customer-centric, competitive, and cognitive in their daily operations. While useful, the various software tools, pioneering technologies, as well as their unique contributions largely go unused due to the lack of information provided on their special characteristics. Novel Practices and Trends in Grid and Cloud Computing is a collection of innovative research on the key concerns of cloud computing and how they are being addressed, as well as the various technologies and tools empowering cloud theory to be participative, penetrative, pervasive, and persuasive. While highlighting topics including cyber security, smart technology, and artificial intelligence, this book is ideally designed for students, researchers, and business managers on the lookout for innovative IT solutions for all the business automation software and improvisations of computational technologies.

INNOVATIONS IN COMPUTER SCIENCE AND ENGINEERING

PROCEEDINGS OF 8TH ICICSE

Springer Nature This book features a collection of high-quality, peer-reviewed research papers presented at the 8th International Conference on Innovations in Computer Science & Engineering (ICICSE 2020), held at Guru Nanak Institutions, Hyderabad, India, on 28-29 August 2020. It covers the latest research in data science and analytics, cloud computing, machine learning, data mining, big data and analytics, information security and privacy, wireless and sensor networks and IoT applications, artificial intelligence, expert systems, natural language processing, image processing, computer vision and artificial neural networks.

DATA ENGINEERING AND COMMUNICATION TECHNOLOGY

PROCEEDINGS OF 3RD ICDECT-2K19

Springer Nature This book includes selected papers presented at the 3rd International Conference on Data Engineering and Communication Technology (ICDECT-2K19), held at Stanley College of Engineering and Technology for Women, Hyderabad, from 15 to 16 March 2019. It features advanced, multidisciplinary research towards the design of smart computing, information systems, and electronic systems. It also focuses on various innovation paradigms in system knowledge, intelligence, and sustainability which can be applied to provide viable solutions to diverse problems related to society, the environment, and industry.

MODERN PRINCIPLES, PRACTICES, AND ALGORITHMS FOR CLOUD SECURITY

IGI Global In today's modern age of information, new technologies are quickly emerging and being deployed into the field of information technology. Cloud computing is a tool that has proven to be a versatile piece of software within IT. Unfortunately, the high usage of Cloud has raised many concerns related to privacy, security, and data protection that have prevented cloud computing solutions from becoming the prevalent alternative for mission critical systems. Up-to-date research and current techniques are needed to help solve these vulnerabilities in cloud computing. *Modern Principles, Practices, and Algorithms for Cloud Security* is a pivotal reference source that provides vital research on the application of privacy and security in cloud computing. While highlighting topics such as chaos theory, soft computing,

and cloud forensics, this publication explores present techniques and methodologies, as well as current trends in cloud protection. This book is ideally designed for IT specialists, scientists, software developers, security analysts, computer engineers, academicians, researchers, and students seeking current research on the defense of cloud services.

PROCEEDING OF FIFTH INTERNATIONAL CONFERENCE ON MICROELECTRONICS, COMPUTING AND COMMUNICATION SYSTEMS

MCCS 2020

Springer Nature This book presents high-quality papers from the Fifth International Conference on Microelectronics, Computing & Communication Systems (MCCS 2020). It discusses the latest technological trends and advances in MEMS and nanoelectronics, wireless communication, optical communication, instrumentation, signal processing, image processing, bioengineering, green energy, hybrid vehicles, environmental science, weather forecasting, cloud computing, renewable energy, RFID, CMOS sensors, actuators, transducers, telemetry systems, embedded systems and sensor network applications. It includes papers based on original theoretical, practical and experimental simulations, development, applications, measurements and testing. The applications and solutions discussed here provide excellent reference material for future product development.

ICT ANALYSIS AND APPLICATIONS

PROCEEDINGS OF ICT4SD 2020, VOLUME 2

Springer Nature This book proposes new technologies and discusses future solutions for ICT design infrastructures, as reflected in high-quality papers presented at the 5th International Conference on ICT for Sustainable Development (ICT4SD 2020), held in Goa, India, on 23-24 July 2020. The conference provided a valuable forum for cutting-edge research discussions among pioneering researchers, scientists, industrial engineers, and students from all around the world. Bringing together experts from different countries, the book explores a range of central issues from an international perspective.

CLOUD COMPUTING

Cambridge University Press Written in a tutorial style, this comprehensive guide follows a structured approach explaining

cloud techniques, models and platforms. Popular cloud services such as Amazon, Google and Microsoft Azure are explained in the text. The security risks and challenges of cloud computing are discussed in detail with useful examples. Emerging trends including mobile cloud computing and internet of things are discussed in the book for the benefit of the readers. Numerous review questions, multiple choice exercises and case studies facilitate enhanced understanding. This textbook is ideal for undergraduate and graduate students of computer science engineering, and information technology.

CLOUD COMPUTING APPLICATIONS AND TECHNIQUES FOR E-COMMERCE

IGI Global Many professional fields have been affected by the rapid growth of technology and information. Included in this are the business and management markets as the implementation of e-commerce and cloud computing have caused enterprises to make considerable changes to their practices. With the swift advancement of this technology, professionals need proper research that provides solutions to the various issues that come with data integration and shifting to a technology-driven environment. Cloud Computing Applications and Techniques for E-Commerce is an essential reference source that discusses the implementation of data and cloud technology within the fields of business and information management. Featuring research on topics such as content delivery networks, virtualization, and software resources, this book is ideally designed for managers, educators, administrators, researchers, computer scientists, business practitioners, economists, information analysts, sociologists, and students seeking coverage on the recent advancements of e-commerce using cloud computing techniques.

ADVANCES IN NETWORK-BASED INFORMATION SYSTEMS

THE 21ST INTERNATIONAL CONFERENCE ON NETWORK-BASED INFORMATION SYSTEMS (NBIS-2018)

Springer This book presents the latest research findings and innovative theoretical and practical research methods and development techniques related to the emerging areas of information networking and their applications. Today's networks and information systems are evolving rapidly, and there are several new trends and applications, such as wireless sensor networks, ad hoc networks, peer-to-peer systems, vehicular networks, opportunistic networks, grid and cloud computing, pervasive and ubiquitous computing, multimedia systems, security, multi-agent systems, high-speed networks, and web-based systems. These networks have to deal with the increasing number of users, provide support for different services, guarantee the QoS, and optimize the network resources, and as such there are

numerous research issues and challenges that need to be considered and addressed.

CLOUD COMPUTING AND SECURITY

THIRD INTERNATIONAL CONFERENCE, ICCCS 2017, NANJING, CHINA, JUNE 16-18, 2017, REVISED SELECTED PAPERS, PART I

Springer This two volume set LNCS 10602 and LNCS 10603 constitutes the thoroughly refereed post-conference proceedings of the Third International Conference on Cloud Computing and Security, ICCCS 2017, held in Nanjing, China, in June 2017. The 116 full papers and 11 short papers of these volumes were carefully reviewed and selected from 391 submissions. The papers are organized in topical sections such as: information hiding; cloud computing; IOT applications; information security; multimedia applications; optimization and classification.

CLOUD COMPUTING

THEORY AND PRACTICE

Newnes **Cloud Computing: Theory and Practice** provides students and IT professionals with an in-depth analysis of the cloud from the ground up. Beginning with a discussion of parallel computing and architectures and distributed systems, the book turns to contemporary cloud infrastructures, how they are being deployed at leading companies such as Amazon, Google and Apple, and how they can be applied in fields such as healthcare, banking and science. The volume also examines how to successfully deploy a cloud application across the enterprise using virtualization, resource management and the right amount of networking support, including content delivery networks and storage area networks. Developers will find a complete introduction to application development provided on a variety of platforms. Learn about recent trends in cloud computing in critical areas such as: resource management, security, energy consumption, ethics, and complex systems Get a detailed hands-on set of practical recipes that help simplify the deployment of a cloud based system for practical use of computing clouds along with an in-depth discussion of several projects Understand the evolution of cloud computing and why the cloud computing paradigm has a better chance to succeed than previous efforts in large-scale distributed computing

HANDBOOK OF RESEARCH ON SECURITY CONSIDERATIONS IN CLOUD COMPUTING

IGI Global Cloud computing has quickly become the next big step in security development for companies and institutions all over the world. With the technology changing so rapidly, it is important that businesses carefully consider the available advancements and opportunities before implementing cloud computing in their organizations. The Handbook of Research on Security Considerations in Cloud Computing brings together discussion on current approaches to cloud-based technologies and assesses the possibilities for future advancements in this field. Highlighting the need for consumers to understand the unique nature of cloud-delivered security and to evaluate the different aspects of this service to verify if it will meet their needs, this book is an essential reference source for researchers, scholars, postgraduate students, and developers of cloud security systems.

HANDBOOK OF RESEARCH ON HIGH PERFORMANCE AND CLOUD COMPUTING IN SCIENTIFIC RESEARCH AND EDUCATION

IGI Global As information systems used for research and educational purposes have become more complex, there has been an increase in the need for new computing architecture. High performance and cloud computing provide reliable and cost-effective information technology infrastructure that enhances research and educational processes. Handbook of Research on High Performance and Cloud Computing in Scientific Research and Education presents the applications of cloud computing in various settings, such as scientific research, education, e-learning, ubiquitous learning, and social computing. Providing various examples, practical solutions, and applications of high performance and cloud computing; this book is a useful reference for professionals and researchers discovering the applications of information and communication technologies in science and education, as well as scholars seeking insight on how modern technologies support scientific research.

BIG DATA, CLOUD AND APPLICATIONS

THIRD INTERNATIONAL CONFERENCE, BDCA 2018, KENITRA, MOROCCO, APRIL 4-5, 2018, REVISED SELECTED PAPERS

Springer This book constitutes the thoroughly refereed proceedings of the Third International Conference on Big Data, Cloud and Applications, BDCA 2018, held in Kenitra, Morocco, in April 2018. The 45 revised full papers presented in this

book were carefully selected from 99 submissions with a thorough double-blind review process. They focus on the following topics: big data, cloud computing, machine learning, deep learning, data analysis, neural networks, information system and social media, image processing and applications, and natural language processing.

SOCIAL COMPUTING

SECOND INTERNATIONAL CONFERENCE OF YOUNG COMPUTER SCIENTISTS, ENGINEERS AND EDUCATORS, ICYCSEE 2016, HARBIN, CHINA, AUGUST 20-22, 2016, PROCEEDINGS, PART I

Springer This two volume set (CCIS 623 and 634) constitutes the refereed proceedings of the Second International Conference of Young Computer Scientists, Engineers and Educators, ICYCSEE 2016, held in Harbin, China, in August 2016. The 91 revised full papers presented were carefully reviewed and selected from 338 submissions. The papers are organized in topical sections on Research Track (Part I) and Education Track, Industry Track, and Demo Track (Part II) and cover a wide range of topics related to social computing, social media, social network analysis, social modeling, social recommendation, machine learning, data mining.

ENERGY CONSERVATION SOLUTIONS FOR FOG-EDGE COMPUTING PARADIGMS

Springer Nature This book focuses on energy efficiency concerns in fog-edge computing and the requirements related to Industry 4.0 and next-generation networks like 5G and 6G. This book guides the research community about practical approaches, methodological, and moral questions in any nations' journey to conserve energy in fog-edge computing environments. It discusses a detailed approach required to conserve energy and comparative case studies with respect to various performance evaluation metrics, such as energy conservation, resource allocation strategies, task allocation strategies, VM migration, and load-sharing strategies with state-of-the-art approaches, with fog and edge networks.

PROCEEDINGS OF THIRD INTERNATIONAL CONFERENCE ON COMPUTING, COMMUNICATIONS, AND CYBER-SECURITY

IC4S 2021

Springer Nature

NEW TRENDS IN COMPUTATIONAL VISION AND BIO-INSPIRED COMPUTING

SELECTED WORKS PRESENTED AT THE ICCVBIC 2018, COIMBATORE, INDIA

Springer Nature This volume gathers selected, peer-reviewed original contributions presented at the International Conference on Computational Vision and Bio-inspired Computing (ICCVBIC) conference which was held in Coimbatore, India, on November 29-30, 2018. The works included here offer a rich and diverse sampling of recent developments in the fields of Computational Vision, Fuzzy, Image Processing and Bio-inspired Computing. The topics covered include computer vision; cryptography and digital privacy; machine learning and artificial neural networks; genetic algorithms and computational intelligence; the Internet of Things; and biometric systems, to name but a few. The applications discussed range from security, healthcare and epidemic control to urban computing, agriculture and robotics. In this book, researchers, graduate students and professionals will find innovative solutions to real-world problems in industry and society as a whole, together with inspirations for further research.

CLOUD COMPUTING

FIRST INTERNATIONAL CONFERENCE, CLOUDCOM 2009, BEIJING, CHINA, DECEMBER 1-4, 2009, PROCEEDINGS

Springer Science & Business Media This volume contains the proceedings of CloudCom 2009, the First International Conference on Cloud Computing. The conference was held in Beijing, China, during December 1-4, 2009, and was the first in a series initiated by the Cloud Computing Association (www.cloudcom.org). The Cloud Computing Association was founded in 2009 by Chunming Rong, Martin Gilje Jaatun, and Frode Eika Sandnes. This first conference was organized by the Beijing Jitong University, Chinese Institute of Electronics, and Wuhan University, and co-organized by Huazhong University of Science and Technology, South China Normal University, and Sun Yat-sen University. Ever since the inception of the Internet, a "Cloud" has been used as a metaphor for a network-accessible infrastructure (e.g., data storage, computing hardware, or entire networks) which is hidden from users. To some, the concept of cloud computing may seem like a throwback to the days of big mainframe computers, but we believe that cloud computing makes data truly mobile, allowing a user to access services anywhere, anytime, with any Internet browser. In cloud computing, IT-related capabilities are provided as services, accessible without requiring control of, or even knowledge of, the underlying technology. Cloud computing provides dynamic scalability of services and computing

power, and although many mature technologies are used as components in cloud computing, there are still many unresolved and open problems.

DATA MANAGEMENT, ANALYTICS AND INNOVATION

PROCEEDINGS OF ICDMAI 2020, VOLUME 1

Springer Nature This book presents the latest findings in the areas of data management and smart computing, big data management, artificial intelligence and data analytics, along with advances in network technologies. Gathering peer-reviewed research papers presented at the Fourth International Conference on Data Management, Analytics and Innovation (ICDMAI 2020), held on 17-19 January 2020 at the United Services Institute (USI), New Delhi, India, it addresses cutting-edge topics and discusses challenges and solutions for future development. Featuring original, unpublished contributions by respected experts from around the globe, the book is mainly intended for a professional audience of researchers and practitioners in academia and industry.

COMPUTATIONAL SCIENCE AND TECHNOLOGY

6TH ICCST 2019, KOTA KINABALU, MALAYSIA, 29-30 AUGUST 2019

Springer Nature This book gathers the proceedings of the Sixth International Conference on Computational Science and Technology 2019 (ICCST2019), held in Kota Kinabalu, Malaysia, on 29-30 August 2019. The respective contributions offer practitioners and researchers a range of new computational techniques and solutions, identify emerging issues, and outline future research directions, while also showing them how to apply the latest large-scale, high-performance computational methods.

ECCWS2016-PROCEEDINGS OF THE 15TH EUROPEAN CONFERENCE ON CYBER WARFARE AND SECURITY "

Academic Conferences and publishing limited These proceedings represent the work of researchers participating in the 15th European Conference on Cyber Warfare and Security (ECCWS 2016) which is being hosted this year by the Universität der Bundeswehr, Munich, Germany on the 7-8 July 2016. ECCWS is a recognised event on the International research conferences calendar and provides a valuable platform for individuals to present their research findings, display their work in progress and discuss conceptual and empirical advances in the area of Cyberwar and Cyber Security. It

provides an important opportunity for researchers and managers to come together with peers to share their experiences of using the varied and expanding range of Cyberwar and Cyber Security research available to them. With an initial submission of 110 abstracts, after the double blind, peer review process there are 37 Academic research papers and 11 PhD research papers, 1 Master's research paper, 2 Work In Progress papers and 2 non-academic papers published in these Conference Proceedings. These papers come from many different countries including Austria, Belgium, Canada, Czech Republic, Finland, France, Germany, Greece, Hungary, Ireland, Kenya, Luxembourg, Netherlands, Norway, Portugal, Romania, Russia, Slovenia, South Africa, Sweden, Turkey, UK and USA. This is not only highlighting the international character of the conference, but is also promising very interesting discussions based on the broad treasure trove of experience of our community and participants."

RESEARCH ANTHOLOGY ON ARCHITECTURES, FRAMEWORKS, AND INTEGRATION STRATEGIES FOR DISTRIBUTED AND CLOUD COMPUTING

IGI Global Distributed systems intertwine with our everyday lives. The benefits and current shortcomings of the underpinning technologies are experienced by a wide range of people and their smart devices. With the rise of large-scale IoT and similar distributed systems, cloud bursting technologies, and partial outsourcing solutions, private entities are encouraged to increase their efficiency and offer unparalleled availability and reliability to their users. The Research Anthology on Architectures, Frameworks, and Integration Strategies for Distributed and Cloud Computing is a vital reference source that provides valuable insight into current and emergent research occurring within the field of distributed computing. It also presents architectures and service frameworks to achieve highly integrated distributed systems and solutions to integration and efficient management challenges faced by current and future distributed systems. Highlighting a range of topics such as data sharing, wireless sensor networks, and scalability, this multi-volume book is ideally designed for system administrators, integrators, designers, developers, researchers, academicians, and students.

ADVANCES IN COMPUTER SCIENCE FOR ENGINEERING AND EDUCATION IV

Springer Nature This book comprises high-quality refereed research papers presented at the Fourth International Conference on Computer Science, Engineering and Education Applications (ICCSEEA2021), held in Kyiv, Ukraine, on January 23-24, 2021, organized jointly by the National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic

Institute”, National Aviation University, and the International Research Association of Modern Education and Computer Science. The topics discussed in the book include state-of-the-art papers in computer science, artificial intelligence, engineering techniques, genetic coding systems, deep learning with its medical applications, and knowledge representation with its applications in education. It is an excellent source of references for researchers, graduate students, engineers, management practitioners, and undergraduate students interested in computer science and their applications in engineering and education.

PRACTICAL LOAD BALANCING

RIDE THE PERFORMANCE TIGER

Apress The emergence of the cloud and modern, fast corporate networks demands that you perform judicious balancing of computational loads. Practical Load Balancing presents an entire analytical framework to increase performance not just of one machine, but of your entire infrastructure. Practical Load Balancing starts by introducing key concepts and the tools you'll need to tackle your load-balancing issues. You'll travel through the IP layers and learn how they can create increased network traffic for you. You'll see how to account for persistence and state, and how you can judge the performance of scheduling algorithms. You'll then learn how to avoid performance degradation and any risk of the sudden disappearance of a service on a server. If you're concerned with running your load balancer for an entire network, you'll find out how to set up your network topography, and condense each topographical variety into recipes that will serve you in different situations. You'll also learn about individual servers, and load balancers that can perform cookie insertion or improve your SSL throughput. You'll also explore load balancing in the modern context of the cloud. While load balancers need to be configured for high availability once the conditions on the network have been created, modern load balancing has found its way into the cloud, where good balancing is vital for the very functioning of the cloud, and where IPv6 is becoming ever more important. You can read Practical Load Balancing from end to end or out of sequence, and indeed, if there are individual topics that interest you, you can pick up this book and work through it once you have read the first three chapters.

GREEN, PERVASIVE, AND CLOUD COMPUTING

12TH INTERNATIONAL CONFERENCE, GPC 2017, CETARA, ITALY, MAY 11-14, 2017, PROCEEDINGS

Springer This book constitutes the proceedings of the 12th International Conference on Green, Pervasive, and Cloud Computing, GPC 2017, held in Cetara, Italy, in May 2017 and the following colocated workshops: First International Workshop on Digital Knowledge Ecosystems 2017; and First Workshop on Cloud Security Modeling, Monitoring and Management, CS3M 2017. The 58 full papers included in this volume were carefully reviewed and selected from 169 initial submissions. They deal with cryptography, security and biometric techniques; advances network services, algorithms and optimization; mobile and pervasive computing; cybersecurity; parallel and distributed computing; ontologies and smart applications; and healthcare support systems.

INTELLIGENT COMPUTING AND INNOVATION ON DATA SCIENCE

PROCEEDINGS OF ICTIDS 2019

Springer Nature This book covers both basic and high-level concepts relating to the intelligent computing paradigm and data sciences in the context of distributed computing, big data, data sciences, high-performance computing and Internet of Things. It is becoming increasingly important to develop adaptive, intelligent computing-centric, energy-aware, secure and privacy-aware systems in high-performance computing and IoT applications. In this context, the book serves as a useful guide for industry practitioners, and also offers beginners a comprehensive introduction to basic and advanced areas of intelligent computing. Further, it provides a platform for researchers, engineers, academics and industrial professionals around the globe to showcase their recent research concerning recent trends. Presenting novel ideas and stimulating interesting discussions, the book appeals to researchers and practitioners working in the field of information technology and computer science.

RESEARCH AND APPLICATIONS IN GLOBAL SUPERCOMPUTING

IGI Global Rapidly generating and processing large amounts of data, supercomputers are currently at the leading edge of computing technologies. Supercomputers are employed in many different fields, establishing them as an integral part of the computational sciences. Research and Applications in Global Supercomputing investigates current and emerging research in the field, as well as the application of this technology to a variety of areas. Highlighting a broad range of concepts, this publication is a comprehensive reference source for professionals, researchers, students, and

practitioners interested in the various topics pertaining to supercomputing and how this technology can be applied to solve problems in a multitude of disciplines.

ADVANCED RESEARCH ON CLOUD COMPUTING DESIGN AND APPLICATIONS

IGI Global Modern society requires a specialized, persistent approach to IT service delivery. Cloud computing offers the most logical answer through a highly dynamic and virtualized resource made available by an increasing number of service providers. *Advanced Research on Cloud Computing Design and Applications* shares the latest high quality research results on cloud computing and explores the broad applicability and scope of these trends on an international scale, venturing into the hot-button issue of IT services evolution and what we need to do to be prepared for future developments in cloud computing. This book is an essential reference source for researchers and practitioners in the field of cloud computing, as well as a guide for students, academics, or anyone seeking to learn more about advancement in IT services. This publication features chapters covering a broad range of relevant topics, including cloud computing for e-government, cloud computing in the public sector, security in the cloud, hybrid clouds and outsourced data, IT service personalization, and supply chain in the cloud.

SMART AND SUSTAINABLE INTELLIGENT SYSTEMS

John Wiley & Sons The world is experiencing an unprecedented period of change and growth through all the electronic and technological developments and everyone on the planet has been impacted. What was once 'science fiction', today it is a reality. This book explores the world of many of once unthinkable advancements by explaining current technologies in great detail. Each chapter focuses on a different aspect - Machine Vision, Pattern Analysis and Image Processing - Advanced Trends in Computational Intelligence and Data Analytics - Futuristic Communication Technologies - Disruptive Technologies for Future Sustainability. The chapters include the list of topics that spans all the areas of smart intelligent systems and computing such as: Data Mining with Soft Computing, Evolutionary Computing, Quantum Computing, Expert Systems, Next Generation Communication, Blockchain and Trust Management, Intelligent Biometrics, Multi-Valued Logical Systems, Cloud Computing and security etc. An extensive list of bibliographic references at the end of each chapter guides the reader to probe further into application area of interest to him/her.

HANDBOOK OF RESEARCH ON SECURING CLOUD-BASED DATABASES WITH BIOMETRIC APPLICATIONS

IGI Global Cloud technologies have revolutionized the way we store information and perform various computing tasks. With the rise of this new technology, the ability to secure information stored on the cloud becomes a concern. The *Handbook of Research on Securing Cloud-Based Databases with Biometric Applications* explores the latest innovations in promoting cloud security through human authentication techniques. Exploring methods of access by identification, including the analysis of facial features, fingerprints, DNA, dental characteristics, and voice patterns, this publication is designed especially for IT professionals, academicians, and upper-level students seeking current research surrounding cloud security.

ADVANCES ON BROAD-BAND WIRELESS COMPUTING, COMMUNICATION AND APPLICATIONS

PROCEEDINGS OF THE 12TH INTERNATIONAL CONFERENCE ON BROAD-BAND WIRELESS COMPUTING, COMMUNICATION AND APPLICATIONS (BWCCA-2017)

Springer This book gathers the Proceedings of the 12th International Conference on Broad-Band Wireless Computing, Communication and Applications, held on November 8-10, 2017 in Barcelona, Spain. Information networking is currently undergoing a rapid evolution. Different kinds of networks with different characteristics are emerging and being integrated in heterogeneous networks. As a result, there are many interconnected problems that can occur at different levels of the hardware and software design of communicating entities and communication networks. These networks are expected to manage increasing usage demand, provide support for a significant number of services, guarantee Quality of Service (QoS), and optimize the use of network resources. The success of all-IP networking and wireless technology has changed the lifestyles of people around the world, and advances in electronic integration and wireless communications will pave the way to providing access to wireless networks on the fly, as electronic devices can increasingly exchange information with each other virtually anytime and anywhere. The aim of this book is to provide the latest findings, methods and development techniques from both theoretical and practical perspectives regarding the emerging areas of broad-band and wireless computing.

INTERNET COMPUTING

PRINCIPLES OF DISTRIBUTED SYSTEMS AND EMERGING INTERNET-BASED TECHNOLOGIES

Springer Nature This book introduces the reader to the fundamentals of contemporary, emerging and future technologies and services in Internet computing. It covers essential concepts such as distributed systems architectures and web technologies, contemporary paradigms such as cloud computing and the Internet of things, and emerging technologies like distributed ledger technologies and fog computing. The book also highlights the interconnection and recombination of these Internet-based technologies, which together form a critical information infrastructure with major impacts on individuals, organizations, governments, economies, and society as a whole. Intended as a textbook for upper undergraduate and graduate classes, it features a wealth of examples, learning goals and summaries for every chapter, numerous recommendations for further reading, and questions for checking students' comprehension. A dedicated author website offers additional teaching material and more elaborate examples. Accordingly, the book enables students and young professionals in IT-related fields to familiarize themselves with the Internet's basic mechanisms, and with the most promising Internet-based technologies of our time.

COMPUTATIONAL INTELLIGENCE IN INFORMATION SYSTEMS

PROCEEDINGS OF THE COMPUTATIONAL INTELLIGENCE IN INFORMATION SYSTEMS CONFERENCE (CIIS 2018)

Springer This book constitutes the Proceeding of the Computational Intelligence in Information Systems conference (CIIS 2018), held in Brunei, November 16 - 18, 2018. The CIIS conference provides a platform for researchers to exchange the latest ideas and to present new research advances in general areas related to computational intelligence and its application. The 19 revised papers presented in this book have been carefully selected from 41 submissions. The Conference contributes to major fields of the Computing and Information Systems in theoretical and practical aspects. This include Computational Intelligence Techniques, Data Mining, Big Data, the Internet of Things (IoTs), Machine Learning, Predictive Analytics, Product and Design technology, Smart Products, Human Centered Design (HCD), Additive Manufacturing, Information Security, Computer Networks and Cyber Technologies.

RESOURCE MANAGEMENT AND EFFICIENCY IN CLOUD COMPUTING ENVIRONMENTS

IGI Global Today's advancements in technology have brought about a new era of speed and simplicity for consumers and businesses. Due to these new benefits, the possibilities of universal connectivity, storage and computation are made

tangible, thus leading the way to new Internet-of Things solutions. Resource Management and Efficiency in Cloud Computing Environments is an authoritative reference source for the latest scholarly research on the emerging trends of cloud computing and reveals the benefits cloud paths provide to consumers. Featuring coverage across a range of relevant perspectives and topics, such as big data, cloud security, and utility computing, this publication is an essential source for researchers, students and professionals seeking current research on the organization and productivity of cloud computing environments.

DATA PROCESSING FOR THE AHP/ANP

Springer Science & Business Media The positive reciprocal pairwise comparison matrix (PCM) is one of the key components which is used to quantify the qualitative and/or intangible attributes into measurable quantities. This book examines six understudied issues of PCM, i.e. consistency test, inconsistent data identification and adjustment, data collection, missing or uncertain data estimation, and sensitivity analysis of rank reversal. The maximum eigenvalue threshold method is proposed as the new consistency index for the AHP/ANP. An induced bias matrix model (IBMM) is proposed to identify and adjust the inconsistent data, and estimate the missing or uncertain data. Two applications of IBMM including risk assessment and decision analysis, task scheduling and resource allocation in cloud computing environment, are introduced to illustrate the proposed IBMM.

ADVANCES ON BROADBAND AND WIRELESS COMPUTING, COMMUNICATION AND APPLICATIONS

PROCEEDINGS OF THE 13TH INTERNATIONAL CONFERENCE ON BROADBAND AND WIRELESS COMPUTING, COMMUNICATION AND APPLICATIONS (BWCCA-2018)

Springer This book presents on the latest research findings, and innovative research methods and development techniques related to the emerging areas of broadband and wireless computing from both theoretical and practical perspectives. Information networking is evolving rapidly with various kinds of networks with different characteristics emerging and being integrated into heterogeneous networks. As a result, a number of interconnection problems can occur at different levels of the communicating entities and communication networks' hardware and software design. These networks need to manage an increasing usage demand, provide support for a significant number of services, guarantee their QoS, and optimize the network resources. The success of all-IP networking and wireless technology has changed the way of life for people around the world, and the advances in electronic integration and wireless

communications will pave the way for access to the wireless networks on the fly. This in turn means that all electronic devices will be able to exchange the information with each other in a ubiquitous way whenever necessary.