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**KEY=MANUAL - VALENCIA MOODY**

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**IPAD UNUSUAL: THE MANUAL FOR SMART USERS**

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*Lulu.com*

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**WORLD FORUM ON SMART MATERIALS AND SMART STRUCTURES TECHNOLOGY**

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**PROCEEDINGS OF SMSST'07, WORLD FORUM ON SMART MATERIALS AND SMART STRUCTURES TECHNOLOGY (SMSST'07), CHINA, 22-27 MAY, 2007**

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*CRC Press This collection of almost 300 articles provides the critical knowledge and technological bases required for meeting one of the ultimate engineering challenges: the design and construction of smart structures and systems. It meets that trend that research in smart materials and structures seeks to apply multifunctional capabilities. Contributions deal with the use of new and existing materials to develop structures and systems that are capable of self-sensing, self-diagnosing, self-healing. Moreover such systems should be able to give adaptive responses to prevent loss and catastrophe, to minimize costs, and to prolong service life. Intended for researchers and practitioners from a broad range of disciplines. Set of book of abstracts (840 pp) and full paper, searchable CD-ROM (1994 pp).*

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**MANUAL OF DIGITAL EARTH**

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*Springer Nature This open access book offers a summary of the development of Digital Earth over the past twenty years. By reviewing the initial vision of Digital Earth, the evolution of that vision, the relevant key technologies, and the role of Digital Earth in helping people respond to global challenges, this publication reveals how and why Digital Earth is becoming vital for acquiring, processing, analysing and mining the rapidly growing volume of global data sets about the Earth. The main aspects of Digital Earth covered here include: Digital Earth platforms, remote*

sensing and navigation satellites, processing and visualizing geospatial information, geospatial information infrastructures, big data and cloud computing, transformation and zooming, artificial intelligence, Internet of Things, and social media. Moreover, the book covers in detail the multi-layered/multi-faceted roles of Digital Earth in response to sustainable development goals, climate changes, and mitigating disasters, the applications of Digital Earth (such as digital city and digital heritage), the citizen science in support of Digital Earth, the economic value of Digital Earth, and so on. This book also reviews the regional and national development of Digital Earth around the world, and discusses the role and effect of education and ethics. Lastly, it concludes with a summary of the challenges and forecasts the future trends of Digital Earth. By sharing case studies and a broad range of general and scientific insights into the science and technology of Digital Earth, this book offers an essential introduction for an ever-growing international audience.

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## **SMART COMMUNICATIONS, INTELLIGENT ALGORITHMS AND INTERACTIVE METHODS**

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### **PROCEEDINGS OF 4TH INTERNATIONAL CONFERENCE ON WIRELESS COMMUNICATIONS AND APPLICATIONS (ICWCA 2020)**

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*Springer Nature* This book gathers selected papers presented at the 4th International Conference on Wireless Communications and Applications (ICWCA 2020), held at Hainan University, China. The first volume of the proceedings will focus on the newest methods and algorithms in smart wireless communications in the areas of multimedia communications over wireless; smart antenna and space-time signal processing; antenna, wireless propagation, and channel modeling; OFDM and multi-carrier techniques; localization and navigation techniques; software-defined networking (SDN) and network function virtualization (NFV); knowledge-defined networking (KDN) and the applications of artificial intelligence (AI) in future networks; future data-center networks; resource allocation and orchestration in future networks and many others.

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## **RECENT ADVANCES IN MANUFACTURING, AUTOMATION, DESIGN AND ENERGY TECHNOLOGIES**

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### **PROCEEDINGS FROM ICOFT 2020**

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*Springer Nature* This book comprises the proceedings of the 1st International Conference on Future Technologies in Manufacturing, Automation, Design and Energy 2020. The contents of this volume focus on recent technological advances in the field of manufacturing, automation, design and energy. Some of the topics covered include additive manufacturing, renewable energy resources, design automation, process automation and monitoring, etc. This volume will prove a valuable resource for those in academia and industry.

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## **SMART SENSORS FOR REAL-TIME WATER QUALITY MONITORING**

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*Springer Science & Business Media* Sensors are being utilized to increasing degrees

*in all forms of industry. Researchers and industrial practitioners in all fields seek to obtain a better understanding of appropriate processes so as to improve quality of service and efficiency. The quality of water is no exception, and the water industry is faced with a wide array of water quality issues being present world-wide. Thus, the need for sensors to tackle this diverse subject is paramount. The aim of this book is to combine, for the first time, international expertise in the area of water quality monitoring using smart sensors and systems in order that a better understanding of the challenges faced and solutions posed may be available to all in a single text.*

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## **BIG DATA AND INTERNET OF THINGS: A ROADMAP FOR SMART ENVIRONMENTS**

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*Springer This book presents current progress on challenges related to Big Data management by focusing on the particular challenges associated with context-aware data-intensive applications and services. The book is a state-of-the-art reference discussing progress made, as well as prompting future directions on the theories, practices, standards and strategies that are related to the emerging computational technologies and their association with supporting the Internet of Things advanced functioning for organizational settings including both business and e-science. Apart from inter-operable and inter-cooperative aspects, the book deals with a notable opportunity namely, the current trend in which a collectively shared and generated content is emerged from Internet end-users. Specifically, the book presents advances on managing and exploiting the vast size of data generated from within the smart environment (i.e. smart cities) towards an integrated, collective intelligence approach. The book also presents methods and practices to improve large storage infrastructures in response to increasing demands of the data intensive applications. The book contains 19 self-contained chapters that were very carefully selected based on peer review by at least two expert and independent reviewers and is organized into the three sections reflecting the general themes of interest to the IoT and Big Data communities: Section I: Foundations and Principles Section II: Advanced Models and Architectures Section III: Advanced Applications and Future Trends The book is intended for researchers interested in joining interdisciplinary and transdisciplinary works in the areas of Smart Environments, Internet of Things and various computational technologies for the purpose of an integrated collective computational intelligence approach into the Big Data era.*

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## **TECHNOLOGY IN AGRICULTURE**

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*BoD – Books on Demand Food security is one of the primary themes of the United Nations’ Sustainable Development Goals. In this regard, agricultural engineering is considered the backbone of agriculture, and agricultural mechanization is considered a helpful way to enhance crop yield and farmers’ profitability. Technology in Agriculture presents research in the field of agricultural engineering technologies and applications in agricultural equipment engineering, biosystem engineering, energy systems engineering, and computers in agriculture. It provides an overview of recent advancements in agricultural engineering and examines key aspects of emerging technologies and their applications. In addition, the book explores modern*

methodologies such as artificial intelligence and machine learning for agricultural mechanization.

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## **SMART MACHINES, REMOTE SENSING, PRECISION FARMING, PROCESSES, MECHATRONIC, MATERIALS AND POLICIES FOR SAFETY AND HEALTH ASPECTS**

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MDPI This book is a printed edition of the Special Issue "Smart machines, Remote Sensing, Precision Farming, Processes, Mechatronic, Materials and Policies for Safety and Health Aspects" that was published in Agriculture

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## **SMART NETWORKS**

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### **IFIP TC6 / WG6.7 SEVENTH INTERNATIONAL CONFERENCE ON INTELLIGENCE IN NETWORKS (SMARTNET 2002) APRIL 8-10, 2002, SAARISELKÄ, LAPLAND, FINLAND**

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Springer Science & Business Media Smart Networks comprises the proceedings of Smartnet'2002, the seventh conference on Intelligence in Networks, which was sponsored by the International Federation for Information Processing (IFIP) and organized by Working Group 6.7. It was held in Saariselkä, Finland, in April 2002. The conference series closely reflects the developments in networking.

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## **SMART SENSORS FOR INDUSTRIAL INTERNET OF THINGS**

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### **CHALLENGES, SOLUTIONS AND APPLICATIONS**

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Springer Nature This book brings together the latest research in smart sensors technology and exposes the reader to myriad industrial applications that this technology has enabled. The book emphasizes several topics in the area of smart sensors in industrial real-world applications. The contributions in this book give a broader view on the usage of smart sensor devices covering a wide range of interdisciplinary areas like Intelligent Transport Systems, Healthcare, Agriculture, Drone communications and Security. By presenting an insight into Smart Sensors for Industrial IoT, this book directs the readers to explore the utility and advancement in smart sensors and their applications into numerous research fields. Lastly, the book aims to reach through a mass number of industry experts, researchers, scientists, engineers, and practitioners and help them guide and evolve to advance research practices.

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## **PROCEEDINGS OF THE 3RD INTERNATIONAL CONFERENCE ON COMMUNICATION, DEVICES AND COMPUTING**

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### **ICCDC 2021**

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Springer Nature This book provides insights into the 3rd International Conference on Communication, Devices and Computing (ICCDC 2021), which was held in Haldia, India, on August 16-18, 2021. It covers new ideas, applications, and the experiences of research engineers, scientists, industrialists, scholars, and students from around

the globe. The proceedings highlight cutting-edge research on communication, electronic devices, and computing and address diverse areas such as 5G communication, spread spectrum systems, wireless sensor networks, and signal processing for secure communication, error control coding, printed antennas, analysis of wireless networks, antenna array systems, analog and digital signal processing for communication systems, frequency selective surfaces, radar communication, and substrate integrated waveguide and microwave passive components, which are key to state-of-the-art innovations in communication technologies. .

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## **SMART POWER SYSTEMS AND SMART GRIDS**

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### **TOWARD MULTI-OBJECTIVE OPTIMIZATION IN DISPATCHING**

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Walter de Gruyter GmbH & Co KG The book systematically introduces smart power system design and its infrastructure, platform and operating standards. It focuses on multi-objective optimization and illustrates where the intelligence of the system lies. With abundant project data, this book is a practical guideline for engineers and researchers in electrical engineering, as well as power network designers and managers in administration.

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## **BUILDING THE INTERNET OF THINGS WITH IPV6 AND MIPV6**

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### **THE EVOLVING WORLD OF M2M COMMUNICATIONS**

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John Wiley & Sons "If we had computers that knew everything there was to know about things—using data they gathered without any help from us—we would be able to track and count everything, and greatly reduce waste, loss, and cost. We would know when things needed replacing, repairing or recalling, and whether they were fresh or past their best. The Internet of Things has the potential to change the world, just as the Internet did. Maybe even more so." —Kevin Ashton, originator of the term, Internet of Things An examination of the concept and unimagined potential unleashed by the Internet of Things (IoT) with IPv6 and MIPv6 What is the Internet of Things? How can it help my organization? What is the cost of deploying such a system? What are the security implications? Building the Internet of Things with IPv6 and MIPv6: The Evolving World of M2M Communications answers these questions and many more. This essential book explains the concept and potential that the IoT presents, from mobile applications that allow home appliances to be programmed remotely, to solutions in manufacturing and energy conservation. It features a tutorial for implementing the IoT using IPv6 and Mobile IPv6 and offers complete chapter coverage that explains: What is the Internet of Things? Internet of Things definitions and frameworks Internet of Things application examples Fundamental IoT mechanisms and key technologies Evolving IoT standards Layer 1/2 connectivity: wireless technologies for the IoT Layer 3 connectivity: IPv6 technologies for the IoT IPv6 over low power WPAN (6lowpan) Easily accessible, applicable, and not overly technical, Building the Internet of Things with IPv6 and MIPv6 is an important resource for Internet and ISP providers, telecommunications companies, wireless providers, logistics professionals,

and engineers in equipment development, as well as graduate students in computer science and computer engineering courses.

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## **PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON INFORMATION ENGINEERING AND APPLICATIONS (IEA) 2012**

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### **VOLUME 3**

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*Springer Science & Business Media Information engineering and applications is the field of study concerned with constructing information computing, intelligent systems, mathematical models, numerical solution techniques, and using computers and other electronic devices to analyze and solve natural scientific, social scientific and engineering problems. Information engineering is an important underpinning for techniques used in information and computational science and there are many unresolved problems worth studying. The Proceedings of the 2nd International Conference on Information Engineering and Applications (IEA 2012), which was held in Chongqing, China, from October 26-28, 2012, discusses the most innovative research and developments including technical challenges and social, legal, political, and economic issues. A forum for engineers and scientists in academia, industry, and government, the Proceedings of the 2nd International Conference on Information Engineering and Applications presents ideas, results, works in progress, and experience in all aspects of information engineering and applications.*

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## **INTELLIGENT TECHNIQUES AND APPLICATIONS IN SCIENCE AND TECHNOLOGY**

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### **PROCEEDINGS OF THE FIRST INTERNATIONAL CONFERENCE ON INNOVATIONS IN MODERN SCIENCE AND TECHNOLOGY**

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*Springer Nature This book provides innovative ideas on achieving sustainable development and using green technologies to conserve our ecosystem. Innovation is the successful exploitation of a new idea. Through innovation, we can achieve MORE while using LESS. Innovations in science & technology will not only help mankind as a whole, but also contribute to the economic growth of individual countries. It is essential that the global problem of environmental degradation be addressed immediately, and thus, we need to rethink the concept of sustainable development. Indeed, new environmentally friendly technologies are fundamental to attaining sustainable development. The book shares a wealth of innovative green technological ideas on how to preserve and improve the quality of the environment, and how to establish a more resource-efficient and sustainable society. The book provides an interdisciplinary approach to addressing various technical issues and capitalizing on advances in computing & optimization for scientific & technological development, smart information, communication, bio-monitoring, smart cities, food quality assessment, waste management, environmental aspects, alternative energies, sustainable infrastructure development, etc. In short, it offers valuable information and insights for budding engineers, researchers, upcoming young minds and industry professionals, promoting awareness for recent advances in the various*

fields mentioned above.

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## **TECHNOLOGY FOR SMART FUTURES**

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*Springer* This book explores the nexus of Sustainability and Information Communication Technologies that are rapidly changing the way we live, learn, and do business. The monumental amount of energy required to power the Zeta byte of data traveling across the globe's billions of computers and mobile phones daily cannot be overstated. This ground-breaking reference examines the possibility that our evolving technologies may enable us to mitigate our global energy crisis, rather than adding to it. By connecting concepts and trends such as smart homes, big data, and the internet of things with their applications to sustainability, the authors suggest that emerging and ubiquitous technologies embedded in our daily lives may rightfully be considered as enabling solutions for our future sustainable development.

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## **SECURITY AND PRIVACY IN SMART SENSOR NETWORKS**

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*IGI* Global Security and privacy protection within computer networks can be a challenge. By examining the current problems and challenges this domain is facing, more efficient strategies can be established to safeguard personal information against invasive pressures. *Security and Privacy in Smart Sensor Networks* is a critical scholarly resource that examines recent developments and emerging trends in smart sensor security and privacy by providing new models, practical solutions, and technological advances related to security. Featuring coverage on a broad range of topics such as cloud security, encryption, and intrusion detection systems, this book is geared towards academicians, engineers, IT specialists, researchers, and students seeking current research on authentication and intrusion detection.

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## **SECURITY AND PRIVACY APPLICATIONS FOR SMART CITY DEVELOPMENT**

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*Springer Nature* This book explores the fundamentals of smart cities along with issues, controversies, problems and applications concerning security and privacy in smart city development. Future smart cities must incorporate innovations like smart rainwater harvesting, smart street lighting, digital identity management, solar energy, intelligent transport systems and emerging communication applications. The target audience of the book includes professionals, researchers, academics, advanced-level students, technology developers, doctors and biologists working in the field of smart city applications. Professionals will find innovative ideas for marketing and research, while developers can use various technologies like IoT and block chain to develop the applications discussed here. As the book shows, by integrating new technologies, the cities of the future are becoming a reality today.

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## **THE SMART CYBER ECOSYSTEM FOR SUSTAINABLE DEVELOPMENT**

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*John Wiley & Sons* The Cyber Ecosystem can be a replica of our natural ecosystem where different living and non-living things interact with each other to perform specific tasks. Similarly, the different entities of the cyber ecosystem collaborate

digitally with each other to revolutionize our lifestyle by creating smart, intelligent, and automated systems/processes. The main actors of the cyber ecosystem, among others, are the Internet of Things (IoT), Artificial Intelligence (AI), and the mechanisms providing cybersecurity. This book documents how this blend of technologies is powering a digital sustainable socio-economic infrastructure which improves our life quality. It offers advanced automation methods fitted with amended business and audits models, universal authentication schemes, transparent governance, and inventive prediction analysis.

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## **DATA PROCESSING TECHNIQUES AND APPLICATIONS FOR CYBER-PHYSICAL SYSTEMS (DPTA 2019)**

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*Springer Nature* This book covers cutting-edge and advanced research on data processing techniques and applications for Cyber-Physical Systems. Gathering the proceedings of the International Conference on Data Processing Techniques and Applications for Cyber-Physical Systems (DPTA 2019), held in Shanghai, China on November 15–16, 2019, it examines a wide range of topics, including: distributed processing for sensor data in CPS networks; approximate reasoning and pattern recognition for CPS networks; data platforms for efficient integration with CPS networks; and data security and privacy in CPS networks. Outlining promising future research directions, the book offers a valuable resource for students, researchers and professionals alike, while also providing a useful reference guide for newcomers to the field.

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## **INTELLIGENT MANUFACTURING AND MECHATRONICS**

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### **PROCEEDINGS OF SYMPOSIMM 2021**

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*Springer Nature* This book presents the proceedings of SympoSIMM 2021, the 4th edition of the Symposium on Intelligent Manufacturing and Mechatronics. Focusing on "Strengthening Innovations Towards Industry 4.0", the book is divided into five parts covering various areas of manufacturing engineering and mechatronics stream, namely, intelligent manufacturing and artificial intelligence, Instrumentation and control, design modelling and simulation, process and machining technology, and smart material. The book will be a valuable resource for readers wishing to embrace the new era of Industry 4.0.

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## **HANDBOOK OF RESEARCH ON MOBILE MARKETING MANAGEMENT**

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*IGI Global* "This book provides a compelling collection of innovative mobile marketing thoughts and practices"--Provided by publisher.

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## **MERGENT INTERNATIONAL MANUAL**

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## **EMERGING INTELLIGENT COMPUTING TECHNOLOGY AND APPLICATIONS. WITH ASPECTS OF ARTIFICIAL INTELLIGENCE**

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## **5TH INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTING, ICIC 2009 ULSAN, SOUTH KOREA, SEPTEMBER 16-19, 2009 PROCEEDINGS**

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*Springer The International Conference on Intelligent Computing (ICIC) was formed to provide an annual forum dedicated to the emerging and challenging topics in artificial intelligence, machine learning, bioinformatics, and computational biology, etc. It aims to bring - gether researchers and practitioners from both academia and industry to share ideas, problems, and solutions related to the multifaceted aspects of intelligent computing. ICIC 2009, held in Ulsan, Korea, September 16-19, 2009, constituted the 5th - ternational Conference on Intelligent Computing. It built upon the success of ICIC 2008, ICIC 2007, ICIC 2006, and ICIC 2005 held in Shanghai, Qingdao, Kunming, and Hefei, China, 2008, 2007, 2006, and 2005, respectively. This year, the conference concentrated mainly on the theories and methodologies as well as the emerging applications of intelligent computing. Its aim was to unify the p- ture of contemporary intelligent computing techniques as an integral concept that hi- lights the trends in advanced computational intelligence and bridges theoretical research with applications. Therefore, the theme for this conference was "Emerging Intelligent Computing Technology and Applications." Papers focusing on this theme were solicited, addressing theories, methodologies, and applications in science and technology.*

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## **SMART HEALTHCARE FOR SUSTAINABLE URBAN DEVELOPMENT**

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*IGI Global With the development of information technology, the concept of smart healthcare has been evolving gradually. A new generation of information technologies, such as the internet of things, cloud computing, big data, and artificial intelligence, have transformed the old medical system and improved the efficiency, convenience, and personalization of healthcare. These changes are necessary to keep up with the requirements of individual people and the improvements in the efficiency of medical care, which largely enhances the experience of medical and health services. Smart Healthcare for Sustainable Urban Development discusses current challenges of digital healthcare adoption as well as how the internet of things and big data technologies can help promote digital healthcare adoption and improve healthcare efficiency. The book also considers how information technologies can support the adoption of smart health for overall improved healthcare delivery and access. Covering topics such as artificial intelligence and smart hospitals, this reference work is ideal for researchers, scholars, practitioners, academicians, industry professionals, instructors, and students*

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## **LISS 2013**

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## **PROCEEDINGS OF 3RD INTERNATIONAL CONFERENCE ON LOGISTICS, INFORMATICS AND SERVICE SCIENCE**

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*Springer Information and communication technology has helped to provide a more effective network infrastructure and development platform for logistics and service operations. In order to meet the needs of consumers and particularly to promote low-carbon development processes, new types of services will also emerge. LISS*

2013 is a prime international forum for both researchers and industry practitioners to exchange the latest fundamental advances in the state of the art and practice of logistics, informatics, service operations and service science. Experts and researchers from related fields will discuss current issues and future development opportunities discuss and analyze developing trends and exchange the latest research and academic thought. The theme of the conference is Logistics and Service Science based on the Internet of Things.

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## **RADIO INTERFACE SYSTEM PLANNING FOR GSM/GPRS/UMTS**

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Springer Science & Business Media Radio network system planning is a comprehensive optimisation task where different planning targets - coverage, capacity and quality- have a direct influence on each other and where optimised solution is a compromise of these planning areas. In order to find out the cost effective and high quality radio network plan the well-known theoretical details have to be bound with practical radio planning issues like planning phases and planning parameters. At the same time the long-term network evolution paths and the possible changes of the radio propagation environment have to be well understood. Radio Interface System Planning for GSM/GPRS/UMTS introduces the radio system planning where these theoretical and practical details have both been emphasized and then utilized for the planning of GSM, GPRS and UMTS mobile networks. The key planning parameters for these systems are explained and the typical values for power budget, various margins, gains and losses, and frequency reuse are given. Also, the book describes the common tasks in radio system planning. The planning methods and phases introduced in the book can also be applied to other mobile communication systems.

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## **INTERNET OF THINGS AND ITS APPLICATIONS**

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### **SELECT PROCEEDINGS OF ICIA 2020**

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Springer Nature This volume constitutes selected papers presented at the International Conference on IoT and its Applications 2020. The research papers presented were carefully reviewed and selected from several initial submissions on the topics - the Internet of Things (IoT) and its applications such as smart cities, smart devices, agriculture, transportation and logistics, healthcare, etc. The book contains peer-reviewed chapters written by leading international scholars from around the world. This book will appeal to students, practitioners, industry professionals, and researchers working in the field of IoT and its integration with other technologies to develop comprehensive solutions to real-life problems.

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### **ISGW 2018 COMPENDIUM OF TECHNICAL PAPERS**

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### **4TH INTERNATIONAL CONFERENCE AND EXHIBITION ON SMART GRIDS AND SMART CITIES**

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Springer Nature This book presents selected articles from India Smart Grid Week (ISGW 2018), held on March 5 to 9, 2018, at the Manekshaw Centre, New Delhi,

India. It was the fourth conference and exhibition on smart grids and smart cities organized by the India Smart Grid Forum (ISGF), a Government of India public-private partnership, tasked with accelerating smart grid deployment across the country. Providing current-scenario-based updates on the Indian power sector, the book also highlights various disruptive technologies.

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## **RESEARCH ANTHOLOGY ON BLOCKCHAIN TECHNOLOGY IN BUSINESS, HEALTHCARE, EDUCATION, AND GOVERNMENT**

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IGI Global Even though blockchain technology was originally created as a ledger system for bitcoin to operate on, using it for areas other than cryptocurrency has become increasingly popular as of late. The transparency and security provided by blockchain technology is challenging innovation in a variety of businesses and is being applied in fields that include accounting and finance, supply chain management, and education. With the ability to perform such tasks as tracking fraud and securing the distribution of medical records, this technology is key to the advancement of many industries. The Research Anthology on Blockchain Technology in Business, Healthcare, Education, and Government is a vital reference source that examines the latest scholarly material on trends, techniques, and uses of blockchain technology applications in a variety of industries, and how this technology can further transparency and security. Highlighting a range of topics such as cryptography, smart contracts, and decentralized blockchain, this multi-volume book is ideally designed for academics, researchers, industry leaders, managers, healthcare professionals, IT consultants, engineers, programmers, practitioners, government officials, policymakers, and students.

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## **INFORMATION MANAGEMENT AND MACHINE INTELLIGENCE**

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### **PROCEEDINGS OF ICIMMI 2019**

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Springer Nature This book features selected papers presented at the International Conference on Information Management and Machine Intelligence (ICIMMI 2019), held at the Poornima Institute of Engineering & Technology, Jaipur, Rajasthan, India, on December 14–15, 2019. It covers a range of topics, including data analytics; AI; machine and deep learning; information management, security, processing techniques and interpretation; applications of artificial intelligence in soft computing and pattern recognition; cloud-based applications for machine learning; application of IoT in power distribution systems; as well as wireless sensor networks and adaptive wireless communication.

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### **PROCEEDINGS OF ICRIC 2019**

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### **RECENT INNOVATIONS IN COMPUTING**

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Springer Nature This book presents high-quality, original contributions (both theoretical and experimental) on software engineering, cloud computing, computer networks & internet technologies, artificial intelligence, information security, and database and distributed computing. It gathers papers presented at ICRIC 2019, the

*2nd International Conference on Recent Innovations in Computing, which was held in Jammu, India, in March 2019. This conference series represents a targeted response to the growing need for research that reports on and assesses the practical implications of IoT and network technologies, AI and machine learning, cloud-based e-Learning and big data, security and privacy, image processing and computer vision, and next-generation computing technologies.*

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## **WIRELESS SENSOR NETWORKS FOR DEVELOPING COUNTRIES**

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### **FIRST INTERNATIONAL CONFERENCE, WSN4DC 2013, JAMSHORO, PAKISTAN, APRIL 24-26, 2013, REVISED SELECTED PAPERS**

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*Springer This book constitutes the refereed proceedings of the First International Conference on Wireless Sensor Networks for Developing Countries, WSN4DC 2013, held in Jamshoro, Pakistan, in April 2013. The 10 revised full papers presented were carefully reviewed and selected from 30 submissions. The papers are organized in topical sections on WSN applications/services for developing countries; mobile WSN; underwater WSN; VANETS; body area networks; energy harvesting in WSN; WSN and cloud integration; WSN and IoT; QoS and Qot; WSN MAC, network and transport protocols; cross layer approaches; security aspects in WSN; WSN applications in smart grid and energy management; WSN in structural health monitoring.*

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## **SUSTAINABLE ENERGY SYSTEMS PLANNING, INTEGRATION AND MANAGEMENT**

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*MDPI Energy systems worldwide are undergoing major transformation as a consequence of the transition towards the widespread use of clean and sustainable energy sources. Basically, this involves massive changes in technical and organizational levels together with tremendous technological upgrades in different sectors ranging from energy generation and transmission systems down to distribution systems. These actions generate huge science and engineering challenges and demands for expert knowledge in the field to create solutions for a sustainable energy system that is economically, environmentally, and socially viable while meeting high security requirements. This book covers these promising and dynamic areas of research and development, and presents contributions in sustainable energy systems planning, integration, and management. Moreover, the book elaborates on a variety of topics, ranging from design and planning of small- to large-scale energy systems to the operation and control of energy networks in different sectors, namely electricity, heat, and transport.*

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## **LOGGED ON**

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### **SMART GOVERNMENT SOLUTIONS FROM SOUTH ASIA**

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*World Bank Publications Logged On offers a new mobile technology model and five solutions that can improve citizens' interactions with a more effective and efficient government. The book presents a number of examples from around the world, but focuses on South Asia countries -- some of the most challenging in the world.*

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## **E-MARKETING: CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS**

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### **CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS**

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*IGI Global The popularity of e-marketing has helped both small and large businesses to get their products and services message to an unbounded number of potential clients. Keeping in contact with your customers no longer require an extended period of time but rather mere seconds. E-Marketing: Concepts, Methodologies, Tools, and Applications presents a vital compendium of research detailing the latest case studies, architectures, frameworks, methodologies, and research on e-marketing. With contributions from authors around the world, this three-volume collection presents the most sophisticated research and developments from the field, relevant to researchers, academics, and practitioners alike. In order to stay abreast of the latest research, this book affords a vital look into electronic marketing research.*

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### **GLOBAL SUPPLY CHAINS IN THE PHARMACEUTICAL INDUSTRY**

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*IGI Global In a rapidly growing global economy, where there is a constant emergence of new business models and dynamic changes to the business ecosystem, there is a need for the integration of traditional, new, and hybrid concepts in the complex structure of supply chain management. Within the fast-paced pharmaceutical industry, product strategy, life cycles, and distribution must maintain the highest level of agility. Therefore, organizations need strong supply chain capabilities to profitably compete in the marketplace. Global Supply Chains in the Pharmaceutical Industry provides innovative insights into the efforts needed to build and maintain a strong supply chain network in order to achieve efficient fulfillment of demand, drive outstanding customer value, enhance organizational responsiveness, and build network resiliency. This publication is designed for supply chain managers, policymakers, researchers, academicians, and students, and covers topics centered on economic cycles, sustainable development, and new forces in the global economy.*

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### **GSM, GPRS AND EDGE PERFORMANCE**

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#### **EVOLUTION TOWARDS 3G/UMTS**

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*John Wiley & Sons GSM, GPRS and EDGE Performance - Second Edition provides a complete overview of the entire GSM system. GSM (Global System for Mobile Communications) is the digital transmission technique widely adopted in Europe and supported in North America. It features comprehensive descriptions of GSM's main evolutionary milestones - GPRS, (General Packet Radio Services) is a packet-based wireless communication service that promises data rates from 56 up to 114 Kbps and continuous connection to the Internet for mobile phone and computer users. AMR and EDGE (Enhanced Data GSM Environment), and such developments have now positioned GERAN (GSM/EDGE Radio Access Network) as a full 3G radio standard. The radio network performance and capabilities of GSM, GPRS, AMR and EDGE solutions are studied in-depth by using revealing simulations and field trials.*

Cellular operators must now roll out new 3G technologies capable of delivering wireless Internet based multimedia services in a competitive and cost-effective way and this volume, divided into three parts, helps to explain how: 1. Provides an introduction to the complete evolution of GSM towards a radio access network that efficiently supports UMTS services (GERAN). 2. Features a comprehensive study of system performance with simulations and field trials. Covers all the major features such as basic GSM, GPRS, EDGE and AMR and the full capability of the GERAN radio interface for 3G service support is envisaged. 3. Discusses different 3G radio technologies and the position of GERAN within such technologies. Featuring fully revised and updated chapters throughout, the second edition contains 90 pages of new material and features the following new sections, enabling this reference to remain as a leading text in the area: Expanded material on GPRS Includes IMS architecture (Rel'5) and GERAN (Rel'6) features Presents field trial results for AMR and narrowband Provides EGPRS deployment guidelines Features a new chapter on Service Performance An invaluable reference for Engineering Professionals, Research and Development Engineers, Business Development Managers, Technical Managers and Technical Specialists working for cellular operators

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## **INFORMATICS ENGINEERING AND INFORMATION SCIENCE, PART II**

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### **INTERNATIONAL CONFERENCE, ICIEIS 2011, KUALA LUMPUR, MALAYSIA, NOVEMBER 12-14, 2011. PROCEEDINGS, PART II**

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Springer This 4-Volume-Set, CCIS 0251 - CCIS 0254, constitutes the refereed proceedings of the International Conference on Informatics Engineering and Information Science, ICIEIS 2011, held in Kuala Lumpur, Malaysia, in November 2011. The 210 revised full papers presented together with invited papers in the 4 volumes were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections on e-learning, information security, software engineering, image processing, algorithms, artificial intelligence and soft computing, e-commerce, data mining, neural networks, social networks, grid computing, biometric technologies, networks, distributed and parallel computing, wireless networks, information and data management, web applications and software systems, multimedia, ad hoc networks, mobile computing, as well as miscellaneous topics in digital information and communications.