

# Smart Building Conference 2018 5 Feb 2018 Rai Amsterdam

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Proceedings of the 11th International Conference on Soft Computing and Pattern Recognition (SoCPaR 2019) - Ajith Abraham  
2020-10-01

This book highlights recent research on soft computing, pattern recognition and biologically inspired computing. It presents 24 selected papers from the 11th International Conference on Soft Computing and Pattern Recognition (SoCPaR 2019) and 5 papers from the 11th World Congress on Nature and Biologically Inspired Computing (NaBIC 2019), held at Vardhaman College of Engineering, Hyderabad, India, on December 13-15, 2019.

SoCPaR-NaBIC is a premier conference and brings together researchers, engineers and practitioners whose work involves soft computing and bio-inspired computing, as well as their industrial and real-world applications. Including contributions by authors from 15 countries, the book offers a valuable reference guide for all researchers, students and practitioners in the fields of Computer Science and Engineering.

Security and Organization within IoT and Smart Cities - Kayhan Zrar Ghafoor  
2020-12-17

This book aims to provide the latest research developments and results in the domain of AI techniques for smart cyber ecosystems. It presents a holistic insight into AI-enabled theoretic approaches and methodology in IoT networking, security analytics using AI tools, and network automation, which ultimately enable intelligent cyber space. This book will be

a valuable resource for students, researchers, engineers, policy makers working in various areas related to cybersecurity and privacy for Smart cities. This book includes chapters titled "An Overview of the Artificial Intelligence Evolution and its Fundamental Concepts, and their relationship with IoT Security", "Smart City: Evolution and fundamental concepts", "Advances in AI-Based Security for Internet of Things in Wireless Virtualization Environment", "A conceptual model for optimal resource sharing of networked microgrids focusing uncertainty - paving path to eco-friendly smart cities", "A Novel Framework for Cyber Secure Smart City", "Contemplate Security Challenges & Threats for Smart Cities", "Self-Monitoring Obfuscated IoT Network", "Introduction to Side Channel Attacks and Investigation of Power Analysis & Fault Injection Attack Techniques", "Collaborative Digital Forensic Investigations Model for Law Enforcement: Oman as a Case Study", "Internet of Things Security and Privacy in Smart Cities: Status and Challenges", "5G Security and the Internet of Things", "The Problem of Deepfake Videos and How to Counteract Them in Smart Cities", "The Rise of Ransomware aided by Vulnerable IoT devices", and "Security Issues in Self-Driving Cars within Smart Cities", "PhishFree: A Honeybee Inspired System for Smart City Free of Phishing Attacks", "Trust Aware Crowd Associated Network-based Approach for Optimal Waste Management in Smart Cities" This book provides state-of-the-art of research results and discusses current issues,

challenges, solutions and recent trends related to security and organization within IoT and Smart Cities. We expect this book to be of significant importance not only to researchers and practitioners in academia, government agencies and industries, but also for policy makers and system managers. We anticipate this book to be a valuable resource for all those working in this new and exciting area, and a "must have" for all university libraries.

Hybrid Energy Systems - Yatish T. Shah

2021-04-05

Hybrid Energy Systems: Strategy for Industrial Decarbonization demonstrates how hybrid energy and processes can decarbonize energy industry needs for power and heating and cooling. It describes the role of hybrid energy and processes in nine major industry sectors and discusses how hybrid energy can offer sustainable solutions in each. Introduces the basics and examples of hybrid energy systems Examines hybrid energy and processes in coal, oil and gas, nuclear, building, vehicle, manufacturing and industrial processes, computing and portable electronic, district heating and cooling, and water sectors Shows that hybrid processes can improve efficiency and that hybrid energy can effectively insert renewable fuels in the energy industry Serves as a companion text to the author's book Hybrid Power: Generation, Storage, and Grids Written for advanced students, researchers, and industry professionals involved in energy-related processes and plants, this book offers latest research and practical strategies for application of the innovative field of hybrid energy.

**Proceedings of the 6th International Conference on Industrial Engineering (ICIE 2020)** - Andrey A. Radionov 2021-03-26

This book highlights recent findings in industrial, manufacturing and mechanical engineering, and provides an overview of the state of the art in these fields, mainly in Russia and Eastern Europe. A broad range of topics and issues in modern engineering are discussed, including the dynamics of machines and working processes, friction, wear and lubrication in machines, surface transport and technological machines, manufacturing engineering of industrial facilities, materials engineering, metallurgy, control systems and their industrial

applications, industrial mechatronics, automation and robotics. The book gathers selected papers presented at the 6th International Conference on Industrial Engineering (ICIE), held in Sochi, Russia in May 2020. The authors are experts in various fields of engineering, and all papers have been carefully reviewed. Given its scope, the book will be of interest to a wide readership, including mechanical and production engineers, lecturers in engineering disciplines, and engineering graduates.

**Proceedings of the Future Technologies Conference (FTC) 2019** - Kohei Arai

2019-10-09

This book presents state-of-the-art intelligent methods and techniques for solving real-world problems and offers a vision of future research. Featuring 143 papers from the 4th Future Technologies Conference, held in San Francisco, USA, in 2019, it covers a wide range of important topics, including, but not limited to, computing, electronics, artificial intelligence, robotics, security and communications and their applications to the real world. As such, it is an interesting, exciting and inspiring read.

**Smart Ships** - Yang Xiao 2022-11-24

Smart shipping is a future method for transporting ocean cargo and exploring the resources of oceans for medical drugs, food, energy resources, and other products. A smart ship is an integration of shipping with many fields such as fishing, manufacturing, navigation, communication, computing, control, sensing, etc., to provide better shipping and services. The purpose of this edited book is to provide state-of-the-art approaches and novel technologies for smart ships, covering a range of topics in these areas so that it will be an excellent reference book for the researchers, students, and professionals in these areas. It presents the fundamental technologies needed to build smart ships, and gives a clear explanation of them. This book will serve as a good reference for researchers to know the state of the art and to discover uncovered territory and develop new applications, as well as being a guideline for building future smart ships. Yang Xiao is a Full Professor in the Department of Computer Science at the University of Alabama, Tuscaloosa, Alabama, USA. Tieshan Li is a Full

Professor in the School of Automation Engineering, University of Electronic Science and Technology of China, Chengdu, China.  
**ECCWS 2019 18th European Conference on Cyber Warfare and Security** - Tiago Cruz  
2019-07-04

**5th EAI International Conference on Management of Manufacturing Systems** - Lucia Knapčíková 2021-08-02

The book presents the proceedings of the 5th EAI International Conference on Management of Manufacturing Systems (MMS 2020), which took place online on October 27-29, 2020. The conference covers the management of manufacturing systems with support for Industry 4.0, logistics and intelligent manufacturing systems and applications, cooperation management, and its effective applications. Topics include RFID applications, economic impacts in logistics, ICT support for Industry 4.0, industrial and smart Logistics, intelligent manufacturing systems and applications, and much more. The topic is of interest to researchers, practitioners, students, and academics in manufacturing and communications engineering.

**Selected Papers from the 5th International Electronic Conference on Sensors and Applications** - Francisco Falcone 2020-12-29

This Special Issue comprises selected papers from the proceedings of the 5th International Electronic Conference on Sensors and Applications, held on 15-30 November 2018, on sciforum.net, an online platform for hosting scholarly e-conferences and discussion groups. In this 5th edition of the electronic conference, contributors were invited to provide papers and presentations from the field of sensors and applications at large, resulting in a wide variety of excellent submissions and topic areas. Papers which attracted the most interest on the web or that provided a particularly innovative contribution were selected for publication in this collection. These peer-reviewed papers are published with the aim of rapid and wide dissemination of research results, developments, and applications. We hope this conference series will grow rapidly in the future and become recognized as a new way and venue by which to (electronically) present new developments

related to the field of sensors and their applications.

Culturally Sustainable Social Robotics - M. Nørskov 2021-01-04

The subject of social robotics has enormous projected economic significance. However, social robots not only present us with novel opportunities but also with novel risks that go far beyond safety issues. It is a potentially highly disruptive technology which could negatively affect the most valuable parts of the fabric of human social interactions in irreparable ways. Since engineering educations do not yet offer the necessary competences to analyze, holistically assess, and constructively mitigate these risks, new alliances must be established between engineering and SSH disciplines, with special emphasis on the humanities (i.e. disciplines specializing in the analysis of socio-cultural interactions and human experience). The Robophilosophy Conference Series was established in 2014 with the purpose of creating a new forum and catalyzing the research discussion in this important area of applied humanities research, with focus on robophilosophy. Robophilosophy conferences have been the world's largest venues for humanities research in and on social robotics. The book at hand presents the proceedings of Robophilosophy Conference 2020: Culturally Sustainable Social Robotics, the fourth event in the international, biennial Robophilosophy Conference Series, which brought together close to 400 participants from 29 countries. The speakers of the conference, whose contributions are collected in this volume, were invited to offer concrete proposals for how the Humanities can help to shape a future where social robotics is guided by the goals of enhancing socio-cultural values rather than by utility alone. The book is divided into 3 parts; Abstracts of Plenaries, which contains 6 plenary sessions; Session Papers, with 44 papers under 8 thematic categories; and Workshops, containing 25 items on 5 selected topics. Providing concrete proposals from philosophers and other SSH researchers for new models and methods, this book will be of interest to all those involved in developing artificial 'social' agents in a culturally sustainable way that is also - a fortiori - ethically responsible.

Advanced Network Technologies and Intelligent Computing - Isaac Woungang 2022

This volume constitutes the selected papers presented at the First International Conference on Advanced Network Technologies and Intelligent Computing, ANTIC 2021, held in Varanasi, India, in December 2021. Due to the COVID-19 pandemic the conference was held online. The 61 papers presented were thoroughly reviewed and selected from 593 submissions. They are organized in topical sections on advanced network technologies and intelligent computing.

**Climate Change Impacts on Agriculture and Food Security in Egypt** - El-Sayed Ewis Omran 2020-04-08

This book gathers contributions discussing climate change in Egypt from an agricultural perspective. Written by leading experts, it presents state-of-the-art insights and the latest research developments in light of the most recent IPCC report. Focusing on identifying the specific phenomena that affect climate change in Egypt, the book also addresses the effects of climate change in Egypt, particularly examining the quality and quantity of water resources as well as the socio-economic impacts of climate change on agricultural activities. Furthermore, it explores alternative solutions to support agriculture and food security and raises awareness of adaptation and protection as the key to adapting to the risks posed by climate change. Covering the four fundamental pillars of climate change: food security, availability, access and stability, this book is a valuable resource for stakeholders involved in achieving the 2030 sustainable development goals in Egypt and all countries with similar climatic conditions. It is also a unique source of information and updates on climate change impacts for graduates, researchers, policy planners, and decision-makers.

*Digital Transformation of the Design, Construction and Management Processes of the Built Environment* - Bruno Daniotti 2019-01-01

This open access book focuses on the development of methods, interoperable and integrated ICT tools, and survey techniques for optimal management of the building process. The construction sector is facing an increasing demand for major innovations in terms of digital

dematerialization and technologies such as the Internet of Things, big data, advanced manufacturing, robotics, 3D printing, blockchain technologies and artificial intelligence. The demand for simplification and transparency in information management and for the rationalization and optimization of very fragmented and splintered processes is a key driver for digitization. The book describes the contribution of the ABC Department of the Polytechnic University of Milan (Politecnico di Milano) to R&D activities regarding methods and ICT tools for the interoperable management of the different phases of the building process, including design, construction, and management. Informative case studies complement the theoretical discussion. The book will be of interest to all stakeholders in the building process - owners, designers, constructors, and faculty managers - as well as the research sector.

Intelligent Systems and Applications - Yaxin Bi 2019-08-23

The book presents a remarkable collection of chapters covering a wide range of topics in the areas of intelligent systems and artificial intelligence, and their real-world applications. It gathers the proceedings of the Intelligent Systems Conference 2019, which attracted a total of 546 submissions from pioneering researchers, scientists, industrial engineers, and students from all around the world. These submissions underwent a double-blind peer-review process, after which 190 were selected for inclusion in these proceedings. As intelligent systems continue to replace and sometimes outperform human intelligence in decision-making processes, they have made it possible to tackle a host of problems more effectively. This branching out of computational intelligence in several directions and use of intelligent systems in everyday applications have created the need for an international conference as a venue for reporting on the latest innovations and trends. This book collects both theory and application based chapters on virtually all aspects of artificial intelligence; presenting state-of-the-art intelligent methods and techniques for solving real-world problems, along with a vision for future research, it represents a unique and valuable asset.

**16th International Conference on Information Technology-New Generations (ITNG 2019)** - Shahram Latifi 2019-05-22

This 16th International Conference on Information Technology - New Generations (ITNG), continues an annual event focusing on state of the art technologies pertaining to digital information and communications. The applications of advanced information technology to such domains as astronomy, biology, education, geosciences, security and health care are among topics of relevance to ITNG.

Visionary ideas, theoretical and experimental results, as well as prototypes, designs, and tools that help the information readily flow to the user are of special interest. Machine Learning, Robotics, High Performance Computing, and Innovative Methods of Computing are examples of related topics. The conference features keynote speakers, the best student award, poster award, service award, a technical open panel, and workshops/exhibits from industry, government and academia.

**Internet of Things, Smart Spaces, and Next Generation Networks and Systems** - Olga Galinina 2020-12-22

This book constitutes the joint refereed proceedings of the 20th International Conference on Next Generation Teletraffic and Wired/Wireless Advanced Networks and Systems, NEW2AN 2020, and the 13th Conference on Internet of Things and Smart Spaces, ruSMART 2020. The conference was held virtually due to the COVID-19 pandemic. The 79 revised full papers presented were carefully reviewed and selected from 225 submissions. The papers of NEW2AN address various aspects of next-generation data networks, with special attention to advanced wireless networking and applications. In particular, they deal with novel and innovative approaches to performance and efficiency analysis of 5G and beyond systems, employed game-theoretical formulations, advanced queuing theory, and stochastic geometry, while also covering the Internet of Things, cyber security, optics, signal processing, as well as business aspects. ruSMART 2020, provides a forum for academic and industrial researchers to discuss new ideas and trends in the emerging areas.

**INTER-ENG 2020** - Liviu Moldovan 2021-05-31

These proceedings contain research papers that were accepted for presentation at the 14th International Conference Inter-Eng 2020 ,Interdisciplinarity in Engineering, which was held on 8–9 October 2020, in Târgu Mureș, Romania. It is a leading international professional and scientific forum for engineers and scientists to present research works, contributions, and recent developments, as well as current practices in engineering, which is falling into a tradition of important scientific events occurring at Faculty of Engineering and Information Technology in the George Emil Palade University of Medicine, Pharmacy Science, and Technology of Târgu Mures, Romania. The Inter-Eng conference started from the observation that in the 21st century, the era of high technology, without new approaches in research, we cannot speak of a harmonious society. The theme of the conference, proposing a new approach related to Industry 4.0, was the development of a new generation of smart factories based on the manufacturing and assembly process digitalization, related to advanced manufacturing technology, lean manufacturing, sustainable manufacturing, additive manufacturing, and manufacturing tools and equipment. The conference slogan was “Europe’s future is digital: a broad vision of the Industry 4.0 concept beyond direct manufacturing in the company”.

**Computer Networks and Inventive Communication Technologies** - S. Smys 2022

This book is a collection of peer-reviewed best selected research papers presented at 5th International Conference on Computer Networks and Inventive Communication Technologies (ICCNCT 2022). The book covers new results in theory, methodology, and applications of computer networks and data communications. It includes original papers on computer networks, network protocols and wireless networks, data communication technologies, and network security. The proceedings of this conference is a valuable resource, dealing with both the important core and the specialized issues in the areas of next generation wireless network design, control, and management, as well as in the areas of protection, assurance, and trust in information security practice. It is a reference

for researchers, instructors, students, scientists, engineers, managers, and industry practitioners for advance work in the area.

*Innovations in Smart Cities Applications Edition 2* - Mohamed Ben Ahmed 2019-02-06

This book highlights cutting-edge research presented at the third installment of the International Conference on Smart City Applications (SCA2018), held in Tétouan, Morocco on October 10-11, 2018. It presents original research results, new ideas, and practical lessons learned that touch on all aspects of smart city applications. The respective papers share new and highly original results by leading experts on IoT, Big Data, and Cloud technologies, and address a broad range of key challenges in smart cities, including Smart Education and Intelligent Learning Systems, Smart Healthcare, Smart Building and Home Automation, Smart Environment and Smart Agriculture, Smart Economy and Digital Business, and Information Technologies and Computer Science, among others. In addition, various novel proposals regarding smart cities are discussed. Gathering peer-reviewed chapters written by prominent researchers from around the globe, the book offers an invaluable instructional and research tool for courses on computer and urban sciences; students and practitioners in computer science, information science, technology studies and urban management studies will find it particularly useful. Further, the book is an excellent reference guide for professionals and researchers working in mobility, education, governance, energy, the environment and computer sciences.

**Improving Energy Efficiency in Commercial Buildings and Smart Communities** - Paolo Bertoldi 2020-01-14

These proceedings present fourteen peer-reviewed papers from the 10th International Conference on Improving Energy Efficiency in Commercial Buildings and Smart Communities, which was held March 21-22, 2018 in Frankfurt, Germany. This biannual conference aims to promote and diffuse the concept of energy efficiency in new and existing commercial buildings and to enlarge the market for low consumption and sustainable non-residential buildings. It also covers smart and sustainable

districts, communities and cities, since energy systems efficiency and renewable energies are often optimized at the district or municipal level. The 2018 conference focused on advanced and innovative technologies to improve the energy efficiency of commercial buildings, communities and cities as well as the policies and measures by governments at various levels to improve energy efficiency. A particular focus was on Energy Service Companies (ESCOs). The conference addresses energy policy makers at international, national, and local level; academics, researchers and energy efficiency experts; ESCOs, utilities, buildings energy and environmental managers; buildings engineers and architects; and equipment manufacturers and commercial property investors.

**Current Trends in Philosophy of Science** - Wenceslao J. Gonzalez 2022-08-26

This book seeks to provide new perspectives, to broaden the field of philosophy of science, or to renew themes that have had a great impact on the profession. Thus, after an initial chapter to situate the current trends in philosophy of science and the prospective of the near future, it offers contributions in five thematic blocks: I) Philosophy of Medicine and Climate Change; II) Philosophy of Artificial Intelligence and the Internet; III) New Analyses of Probability and the Use of Mathematics in Practice; IV) Scientific Progress Revisited; and V) Scientific Realism and the Instrumentalist Alternative. Within this framework, the volume addresses such relevant issues as the methodological validity of medical evidence or decision making in situations of uncertainty; recent advances in Artificial Intelligence and the future of the Internet; current forms of empirically based methodological pluralism and new ways of understanding mathematics with scientific practice; and the revision of the approaches to scientific progress based on the experiences accumulated in recent decades.

**Smart Trends in Computing and Communications** - Yu-Dong Zhang 2021

This book gathers high-quality papers presented at the Fifth International Conference on Smart Trends in Computing and Communications (SmartCom 2021), organized by Global Knowledge Research Foundation (GR Foundation) from March 23, 2021. It covers the

state of the art and emerging topics in information, computer communications, and effective strategies for their use in engineering and managerial applications. It also explores and discusses the latest technological advances in, and future directions for, information and knowledge computing and its applications.

**Handbook of Real-Time Computing** - Yu-Chu Tian 2022-08-08

The aim of this handbook is to summarize the recent rapidly developed real-time computing technologies, from theories to applications. This handbook benefits the readers as a full and quick technical reference with a high-level historic review of technology, detailed technical descriptions and the latest practical applications. In general, the handbook is divided into three main parts (subjected to be modified): theory, design, and application covering different but not limited to the following topics: - Real-time operating systems - Real-time scheduling - Timing analysis - Programming languages and run-time systems - Middleware systems - Design and analysis tools - Real-time aspects of wireless sensor networks - Energy aware real-time methods

**Design and Construction of Smart Cities** - Ibrahim El Dimeery 2021-01-23

This book focuses on how to maintain environmental sustainability as one of its main principles, and it addresses how smart cities serve to diminish wastes and maintain natural resources by having clean green energy that is operated by new smart technology designs. Living in a smart city is not something of the future anymore, it is here, and it is being implemented all over the world. A smart city uses different types of electronic Internet of things (IoT) sensors to collect data and then use these data to manage assets and resources efficiently. The smart city concept integrates information and communication technology (ICT), and various physical devices connected to the IoT network to optimize the efficiency of city operations and services and achieve sustainable solutions to allow us to grow with proper management of our resources. Smart sustainable structures and infrastructures face the need of urban areas due to the growth of populations while in the same time save our environment. To achieve this, we need to revisit

the conventional methods in design and construction and the conventional materials which are used now to optimize the design and provide smart solutions. In the past few years, the consumption of resources has been massive, and the waste produced from that consumption has been inconceivable. This is causing environmental degradation, which produces many environmental challenges, such as global climate change, excessive fossil fuel dependency and the growing demand for energy. As well as, discussing the challenges facing the civil engineering design and construction of smart cities components and presenting concepts and insight from experts and researchers from different civil engineering disciplines., this book explains how to construct buildings and special structures and how to manage and monitor energy.

Secure and Digitalized Future Mobility - Yue Cao 2022-12-01

This book discusses the recent advanced technologies in Intelligent Transportation Systems (ITS), with a view on how Unmanned Aerial Vehicles (UAVs) cooperate with future vehicles. ITS technologies aim to achieve traffic efficiency and advance transportation safety and mobility. Known as aircrafts without onboard human operators, UAVs are used across the world for civilian, commercial, as well as military applications. Common deployment include policing and surveillance, product deliveries, aerial photography, agriculture, and drone racing. As the air-ground cooperation enables more diverse usage, this book addresses the holistic aspects of the recent advanced technologies in ITS, including Information and Communication Technologies (ICT), cyber security, and service management from principle and engineering practice aspects. This is achieved by providing in-depth study on several major topics in the fields of telecommunications, transport services, cyber security, and so on. The book will serve as a useful text for transportation, energy, and ICT societies from both academia and industrial sectors. Its broad scope of introductory knowledge, technical reviews, discussions, and technology advances will also benefit potential authors.

*Advances in Production Management Systems. Smart Manufacturing for Industry 4.0* - Ilkyeong

Moon 2018-08-24

The two-volume set IFIP AICT 535 and 536 constitutes the refereed proceedings of the International IFIP WG 5.7 Conference on Advances in Production Management Systems, APMS 2018, held in Seoul, South Korea, in August 2018. The 129 revised full papers presented were carefully reviewed and selected from 149 submissions. They are organized in the following topical sections: lean and green manufacturing; operations management in engineer-to-order manufacturing; product-service systems, customer-driven innovation and value co-creation; collaborative networks; smart production for mass customization; global supply chain management; knowledge based production planning and control; knowledge based engineering; intelligent diagnostics and maintenance solutions for smart manufacturing; service engineering based on smart manufacturing capabilities; smart city interoperability and cross-platform implementation; manufacturing performance management in smart factories; industry 4.0 - digital twin; industry 4.0 - smart factory; and industry 4.0 - collaborative cyber-physical production and human systems.

Big Data Analytics and Intelligent Techniques for Smart Cities - Kolla Bhanu Prakash 2021-09-20

Big Data Analytics and Intelligent Techniques for Smart Cities covers fundamentals, advanced concepts, and applications of big data analytics for smart cities in a single volume. This comprehensive reference text discusses big data theory modeling and simulation for smart cities and examines case studies in a single volume. The text discusses how to develop a smart city and state-of-the-art system design, system verification, real-time control and adaptation, Internet of Things, and testbeds. It covers applications of smart cities as they relate to smart transportation/connected vehicle (CV) and intelligent transportation systems (ITS) for improved mobility, safety, and environmental protection. It will be useful as a reference text for graduate students in different areas including electrical engineering, computer science engineering, civil engineering, and electronics and communications engineering. Features: Technologies and algorithms associated with the application of big data for

smart cities Discussions on big data theory modeling and simulation for smart cities Applications of smart cities as they relate to smart transportation and intelligent transportation systems (ITS) Discussions on concepts including smart education, smart culture, and smart transformation management for social and societal changes

The Routledge Handbook of Tourism Impacts - Dogan Gursoy 2019-04-29

This handbook explores and critically examines both positive and negative impacts of tourism development focusing on the past, present and future issues, challenges and trends from a multidisciplinary global perspective. Through a comparative approach involving international case studies, this book explores our understanding of tourism impacts and contributes to the theoretical development on relationships between tourism impacts and community support for tourism development. This handbook focuses on a variety of geographical locations, drawing from the knowledge and expertise of highly regarded academics from around the world. Specifically, it explores the adoption and implementation of various tourism development and impact management approaches in a wide range of global contexts, while identifying their trends, issues and challenges. It addresses strategies relating to innovation, sustainability and social responsibility, and critically reviews the economic, sociocultural, environmental, political and technological impacts of tourism. The text also identifies future trends and issues, as well as exploring the methods used to study tourism impacts. Conveying the latest thinking and research, this handbook will be a key reference for students, researchers and academics of tourism, as well as development studies, geography, cultural studies, sustainability and business, encouraging dialogue across disciplinary boundaries and areas of study.

**Green Building in Developing Countries** - Zhonghua Gou 2019-07-30

The book reveals how green buildings are currently being adapted and applied in developing countries. It includes the major developing countries such as China, Indonesia, Malaysia, Thailand, Pakistan, Cambodia, Ghana, Nigeria and countries from the Middle East and

gathers the insights of respected green building researchers from these areas to map out the developing world's green building revolution. The book highlights these countries' contribution to tackling climate change, emphasising the green building benefits and the research behind them. The contributing authors explore how the green building revolution has spread to developing countries and how national governments have initiated their own green building policies and agendas. They also explore how the market has echoed the green building policy, and how a business case for green buildings has been established. In turn, they show how an international set of green building standards, in the form of various techniques and tools, has been incorporated into local building and construction practices. In closing, they demonstrate how the developing world is emerging as a key player for addressing the energy and environmental problems currently facing the world. The book helps developers, designers and policy-makers in governments and green building stakeholders to make better decisions on the basis of global and local conditions. It is also of interest to engineers, designers, facility managers and researchers, as it provides a holistic picture of how the industry is responding to the worldwide call for greener and more sustainable buildings.

#### *Flexibility in Electric Power Distribution*

*Networks* - Hassan Haes Alhelou 2021-07-15

High penetration of renewable energy sources (RESs) imposes several techno-economic challenges to distribution system operators (DSOs) due to their variability in power generation and, hence, increases the need for additional operational flexibility. Operational flexibility aims at securely covering the possible variations at the minimum cost using emerging flexible alternatives or designing novel local market mechanisms to incentivize flexibility providers. In such a situation, the DSOs can use the potential of flexible options such as energy storages (ESs), demand response (DR), plug-in electric vehicles (PEVs), or on-site fast run generators. However, each of the mentioned flexible resources has its own specific characteristics and requirements that should be taken into account, and this raises the complexity. Optimal network reconfiguration

schemes are the other solution for increasing power system flexibility at the distribution level. There is a great research gap related to renewable-based distribution network planning from a flexibility point of view. Therefore, this book aims to discuss the additional flexibility needs introduced by RESs and describe general approaches to analyze the need for and provision of additional flexibility in future distribution networks at both the planning and operational time frames. This book successfully suggests new solutions and techniques to increase the flexibility in distribution systems. It also highlights the needs for moving towards smart distribution grids in order to enhance the flexibility in modern and future power systems.

**Emerging Technologies for Computing, Communication and Smart Cities** - Pradeep Kumar Singh 2022-04-21

This book presents best selected papers presented at the Second International Conference on Emerging Technologies for Computing, Communication and Smart Cities (ETCCS 2021) held on 21-22 August 2021 at BFCET, Punjab, India. IEI India members supported externally. It is co-organized by Southern Federal University, Russia; University of Jan Wyżykowski (UJW), Polkowice, Poland, SD College of Engineering & Technology, Muzaffarnagar Nagar, India as an academic partner and CSI, India for technical support. The book includes current research works in the areas of network and computing technologies, wireless networks and Internet of things (IoT), futuristic computing technologies, communication technologies, security and privacy.

*Innovative Product Design and Intelligent Manufacturing Systems* - BBVL. Deepak 2020-03-13

This book gathers selected research articles from the International Conference on Innovative Product Design and Intelligent Manufacturing System (ICIPDIMS 2019), held at the National Institute of Technology, Rourkela, India. The book discusses latest methods and advanced tools from different areas of design and manufacturing technology. The main topics covered include design methodologies, industry 4.0, smart manufacturing, and advances in robotics among others. The contents of this book

are useful for academics as well as professionals working in industrial design, mechatronics, robotics, and automation.

*Smart Grid Sensors* - Hamed Mohsenian-Rad  
2022-04-06

Discover the ever-growing field of smart grid sensors, covering traditional and state-of-the-art sensor technologies, as well as data-driven and intelligent methods for using sensor measurements in support of innovative smart grid applications. Covers recent and emerging topics, such as smart meters, synchronized phasor measurements, and synchronized waveform measurements. Additional advanced topics and future trends are also discussed, such as situational awareness, probing, and working with off-domain measurements. Including real-world examples, exercise questions, and sample data sets, this is an essential text for students, researchers, and scientists, as well as field engineers and practitioners in the areas of smart grid and power systems.

*IoT for Sustainable Smart Cities and Society* -  
Joel J. P. C. Rodrigues 2022

This book provides a sound theoretical base and an extensive practical expansion of smart sustainable cities and societies, while also examining case studies in the area to help readers understand IoT driven solutions in smart cities. The book covers fundamentals, applications, and challenges of IoT for sustainable smart cities and society. With a good understanding of IoT and smart cities, and the associated communication protocols, the book provides an insight into its applications in several areas of smart cities. Models, architectures, and algorithms are presented that provide additional solutions. The main challenges discussed that are associated with IoT involved include security, privacy, authenticity, etc. The book is relevant to researchers, academics, professionals, and students.

*Hotelier Indonesia* - Hery Sudrajat 2018-01-15  
Dear Hotelier Indonesia, This year will full of Great Hospitality events and there some coming up soon, Wedding Festival, ITB China , RPB Asia , FHA2018, IFEX, and many more , you may check the events calendar on page 10. While Karmawellness Week , will start on Friday 13Th-Sunday 22nd April, 2018, will give you once-in-a-

lifetime 50% discounts on all Karma Spa massages, plus healthy cuisine, pop-up juice and smoothie bars all week , plus many other fun class and activities around. See them start on Page 29. SHR Announces New CRS Product, Global PMS Integrations, and European Direct Connect on Page 50. Interesting news from technology expert. one more thing, please support and visit our friend in instagram #baliissafe So much thing to see and read, so enjoy the reading and many more to come.

*Towards the Internet of Things* - Mohammad Ali Jabraeil Jamali 2019-06-12

This book presents a comprehensive framework for IoT, including its architectures, security, privacy, network communications, and protocols. The book starts by providing an overview of the aforementioned research topics, future directions and open challenges that face the IoT development. The authors then discuss the main architectures in the field, which include Three- and Five-Layer Architectures, Cloud and Fog Based Architectures, a Social IoT Application Architecture. In the security chapter, the authors outline threats and attacks, privacy preservation, trust and authentication, IoT data security, and social awareness. The final chapter presents case studies including smart home, wearables, connected cars, industrial Internet, smart cities, IoT in agriculture, smart retail, energy engagement, IoT in healthcare, and IoT in poultry and farming. Discusses ongoing research into the connection of the physical and virtual worlds; Includes the architecture, security, privacy, communications, and protocols of IoT; Presents a variety of case studies in IoT including wearables, smart cities, and energy management.

*Privacy and Identity Management. Data for Better Living: AI and Privacy* - Michael Friedewald 2020-03-10

This book contains selected papers presented at the 14th IFIP WG 9.2, 9.6/11.7, 11.6/SIG 9.2.2 International Summer School on Privacy and Identity Management, held in Windisch, Switzerland, in August 2019. The 22 full papers included in this volume were carefully reviewed and selected from 31 submissions. Also included are reviewed papers summarizing the results of workshops and tutorials that were held at the Summer School as well as papers contributed by

several of the invited speakers. The papers combine interdisciplinary approaches to bring together a host of perspectives, which are reflected in the topical sections: language and privacy; law, ethics and AI; biometrics and privacy; tools supporting data protection compliance; privacy classification and security assessment; privacy enhancing technologies in specific contexts. The chapters "What Does Your Gaze Reveal About You? On the Privacy Implications of Eye Tracking" and "Privacy Implications of Voice and Speech Analysis - Information Disclosure by Inference" are open access under a CC BY 4.0 license at [link.springer.com](http://link.springer.com).

### **Building in Hot and Humid Regions -**

Napoleon Enteria 2019-04-26

This book presents an in-depth analysis covering climatic and weather conditions, house and building development history, construction methods and technologies, and environmental conditions. It provides relevant house and building information and highlights recent advances in hot and humid regions, as well as developments in other regions that are relevant to hot and humid climates. The countries in hot and humid regions, which include the tropical countries, the Middle Eastern countries around the Mediterranean, and many countries of Central Asia and Africa, are home to some of the most challenging conditions in the world in terms of house and building design and construction, and in terms of maintaining indoor thermal comfort and air quality in an energy-efficient way. The book's respective chapters, prepared by expert contributors, cover essential concepts, designs, and construction methodologies for houses and commercial buildings. As such, the book offers a valuable resource for undergraduate and graduate students in architecture and engineering, house and building designers, and building sciences researchers. Building contractors, manufacturers and distributors of building equipment and devices, and government

policymakers and legislators will also benefit from the information provided in this book.

### **BIOLOGICALLY INSPIRED TECHNIQUES IN MANY CRITERIA DECISION MAKING -**

Satchidananda Dehuri 2022

This book includes best-selected, high-quality research papers presented at Second International Conference on Biologically Inspired Techniques in Many Criteria Decision Making (BITMDM 2021) organized by Department of Information & Communication Technology, Fakir Mohan University, Balasore, Odisha, India, during December 20-21, 2021. This proceeding presents the recent advances in techniques which are biologically inspired and their usage in the field of many criteria decision making. The topics covered are biologically inspired algorithms, nature-inspired algorithms, multi-criteria optimization, multi-criteria decision making, data mining, big-data analysis, cloud computing, IOT, machine learning and soft computing, smart technologies, crypt-analysis, cognitive informatics, computational intelligence, artificial intelligence and machine learning, data management exploration and mining, computational intelligence, and signal and image processing.

### Evaluation of Energy Efficiency and Flexibility in Smart Buildings -

Alessia Arteconi 2021-01-21

This Special Issue "Evaluation of Energy Efficiency and Flexibility in Smart Buildings" addresses the relevant role of buildings as strategic instruments to improve the efficiency and flexibility of the overall energy system. This role of the built environment is not yet fully developed and exploited and the book content contributes to increasing the general awareness of achievable benefits. In particular, different topics are discussed, such as optimal control, innovative efficient technologies, methodological approaches, and country analysis about energy efficiency and energy flexibility potential of the built environment. The Special Issue offers valuable insights into the most recent research developments worldwide.