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Design and Optimization of Sensors and Antennas for Wearable Devices: Emerging Research and Opportunities - Singh, Vinod Kumar 2019-09-20
Wearable continuous monitoring systems are necessary in risky environments such as mining and diving and are especially important in the medical monitoring of patients both in medical facilities and at home. All these applications of monitoring with data transmission functions can be achieved by using wearable antennas. Recently, possibilities of connecting completely independent appliances with textiles have emerged. However, full success will be achieved only when antennas and all related components are entirely converted into 100% textile materials. Design and Optimization of Sensors and Antennas for Wearable Devices: Emerging Research and Opportunities provides innovative insights on the development of adaptable materials and textile antennas that can be used in the construction of wearable devices that are biocompatible and offer high conductivity, low cost, simplistic manufacturing, are comfortable for the wearer, and are water/climate safe and condition amicable. The content within this publication examines data transmission, wearable computing, and medical applications. It is designed for engineers, manufacturers, researchers, academicians, and scientists who are interested in the development of wearable technologies.

Information and Communication Technology for Development (ICT4D) - Richard Heeks 2017-11-08
Mobile phones are close to ubiquitous in developing countries; Internet and broadband access are becoming commonplace. Information and communication technologies (ICTs) thus represent the fastest, broadest and deepest technical change experienced in international development. They now affect every development sector – supporting the work of hundreds of millions of farmers and micro-entrepreneurs; creating millions of ICT-based jobs; assisting healthcare workers and teachers; facilitating political change; impacting climate change; but also linked with digital inequalities and harms – with the pace of change continuously accelerating. Information and Communication Technology for Development (ICT4D) provides the first dedicated textbook to examine and explain these emerging phenomena. It will help students, practitioners, researchers and other readers understand the place of ICTs within development; the ICT-enabled changes already underway; and the key issues and interventions that engage ICT4D practice and strategy. The book has a three-part structure. The first three chapters set out the foundations of ICT4D: the core relation between ICTs and development; the underlying components needed for ICT4D to work; and best practice in implementing ICT4D. Five chapters then analyse key development goals: economic growth, poverty eradication, social

development, good governance and environmental sustainability. Each chapter assesses the goal-related impact associated with ICTs and key lessons from real-world cases. The final chapter looks ahead to emerging technologies and emerging models of ICT-enabled development. The book uses extensive in-text diagrams, tables and boxed examples with chapter-end discussion and assignment questions and further reading. Supported by online activities, video links, session outlines and slides, this textbook provides the basis for undergraduate, postgraduate and online learning modules on ICT4D.

Handbook of e-Business Security - João Manuel R.S. Tavares 2018-07-27
There are a lot of e-business security concerns. Knowing about e-business security issues will likely help overcome them. Keep in mind, companies that have control over their e-business are likely to prosper most. In other words, setting up and maintaining a secure e-business is essential and important to business growth. This book covers state-of-the-art practices in e-business security, including privacy, trust, security of transactions, big data, cloud computing, social network, and distributed systems.

Information Hiding - Fabien A. P. Petitcolas 2003-01-21
This book constitutes the thoroughly refereed post-proceedings of the 5th International Workshop on Information Hiding, IH 2002, held in Noordwijkerhout, The Netherlands, in October 2002. The 27 revised full papers presented were carefully selected during two rounds of reviewing and revision from 78 submissions. The papers are organized in topical sections on information hiding and networking, anonymity, fundamentals of watermarking, watermarking algorithms, attacks on watermarking algorithms, steganography algorithms, steganalysis, and hiding information in unusual content.

Appointments Current Affairs Ebook- Download Notes as Free PDF here - testbook.com 2021-07-06
Get the Appointments Current Affairs News as Ebook here. Know about the new persons and their appointments in different sectors for the month of June. Download the PDF for free to enhance your preparation for Current Affairs section in the exam

Knowledge Engineering for Modern Information Systems - Anand Sharma 2022-01-19
This book presents an extensive collection of the recent findings and innovative research in the information system and knowledge engineering domain. Knowledge engineering is a field within artificial intelligence that develops in particular systems that use knowledge, rather than data, to solve many computing problems, that would usually require high levels of human expertise.

Critical Concepts, Standards, and Techniques in Cyber Forensics - Husain, Mohammad Shahid 2019-11-22
Advancing technologies, especially computer technologies, have necessitated the creation of a comprehensive investigation and collection methodology for digital and online evidence. The goal of cyber forensics is to perform a structured investigation while maintaining a documented chain of evidence to find out exactly what happened on a computing device or on a network and who was responsible for it. Critical Concepts, Standards, and Techniques in Cyber Forensics is a critical research book that focuses on providing in-depth knowledge about online forensic practices and methods. Highlighting a range of topics such as data mining, digital evidence, and fraud investigation, this book is ideal for security analysts, IT specialists, software engineers, researchers, security professionals, criminal science professionals, policymakers, academicians, and students.

Handbook of Research on the IoT, Cloud Computing, and Wireless Network Optimization - Singh, Surjit 2019-03-29
ICT technologies have contributed to the advances in wireless systems, which provide seamless connectivity for worldwide communication. The growth of interconnected devices and the need to store, manage, and process the data from them has led to increased research on the intersection of the internet of things and cloud computing. The Handbook of Research on the IoT, Cloud Computing, and Wireless Network Optimization is a pivotal reference source that provides the latest research findings and solutions for the design and augmentation of wireless systems and cloud computing. The content within this

publication examines data mining, machine learning, and software engineering, and is designed for IT specialists, software engineers, researchers, academicians, industry professionals, and students.

Industrial Wastewater Treatment, Recycling and Reuse - Vivek V. Ranade 2014-07-21
Industrial Wastewater Treatment, Recycling and Reuse is an accessible reference to assist you when handling wastewater treatment and recycling. It features an instructive compilation of methodologies, including advanced physico-chemical methods and biological methods of treatment. It focuses on recent industry practices and preferences, along with newer methodologies for energy generation through waste. The book is based on a workshop run by the Indus MAGIC program of CSIR, India. It covers advanced processes in industrial wastewater treatment, applications, and feasibility analysis, and explores the process intensification approach as well as implications for industrial applications. Techno-economic feasibility evaluation is addressed, along with a comparison of different approaches illustrated by specific case studies. Industrial Wastewater Treatment, Recycling and Reuse introduces you to the subject with specific reference to problems currently being experienced in different industry sectors, including the petroleum industry, the fine chemical industry, and the specialty chemicals manufacturing sector. Provides practical solutions for the treatment and recycling of industrial wastewater via case studies Instructive articles from expert authors give a concise overview of different physico-chemical and biological methods of treatment, cost-to-benefit analysis, and process comparison Supplies you with the relevant information to make quick process decisions

Anatomy & Physiology - 2016

Internet of Things and Its Applications - Sachi Nandan Mohanty 2021-11-25
This book offers a holistic approach to the Internet of Things (IoT) model, covering both the technologies and their applications, focusing on uniquely identifiable objects and their virtual representations in an Internet-like structure. The authors add to the rapid growth in research on IoT communications and networks, confirming the scalability and broad reach of the core concepts. The book is filled with examples of innovative applications and real-world case studies. The authors also address the business, social, and legal aspects of the Internet of Things and explore the critical topics of security and privacy and their challenges for both individuals and organizations. The contributions are from international experts in academia, industry, and research.

Data Intelligence and Cognitive Informatics - I. Jeena Jacob 2021-01-08
This book discusses new cognitive informatics tools, algorithms and methods that mimic the mechanisms of the human brain which lead to an impending revolution in understating a large amount of data generated by various smart applications. The book is a collection of peer-reviewed best selected research papers presented at the International Conference on Data Intelligence and Cognitive Informatics (ICDICI 2020), organized by SCAD College of Engineering and Technology, Tirunelveli, India, during 8–9 July 2020. The book includes novel work in data intelligence domain which combines with the increasing efforts of artificial intelligence, machine learning, deep learning and cognitive science to study and develop a deeper understanding of the information processing systems.

Emerging Materials and Advanced Designs for Wearable Antennas - Singh, Vinod Kumar 2021-03-19
Bendable wearable materials like conductive strands, fluid metallic mixes, and polymer in paper are generally utilized as a part of the current adaptable electronic gadgets. Extra necessities are implemented in wearable applications. Characteristic elastic, for example, is an appealing exchange adaptable material that is biocompatible and offers high conductivity, low lost, simplicity to make, and most importantly, it is water/climate safe and condition amicable. The wearable antenna is one of the key components to establish body area network (BAN) for wireless communication, which is why it has become such an important part of antenna research. Wearable antennas are being applied successfully in

various parts of life such as health monitoring, physical training, navigation, RFID, medicine, military, and more. Emerging Materials and Advanced Designs for Wearable Antennas explores how wearable antenna technology is being employed to enhance the quality of life in various industries. The technologies implemented and success of these antenna technologies is essential in the emerging field of wearable computing and is discussed in detail within the contents of this book. While covering essential topics such as the optimization of antenna material, improvement in flexible antenna performance, synthesis and design aspects of antennas, and transmission and receiving of the bendable antenna, this book is ideal for the military field, scientists, the medical field, practitioners, stakeholders, researchers, academicians, and students looking for the most advanced and updated research on the technology and implementation of wearable antennas spanning multiple industries.

Textbook of Food Microbiology - Virendra Kumar Pandey 2021-10-19

Modern Digital Electronics - R Jain 2006-08-21
Part of the McGraw-Hill Core Concepts Series, Modern Digital Electronics is an ideal textbook for a course on digital electronics at the undergraduate level. The text introduces digital systems and techniques through a bottom-up approach that allows users to start out with the basics of integrated circuits/circuit design and delve into topics such as digital design, flip flops, A/D and D/A. The book then moves on to explore elements of complex digital circuits with material like FPGAs, PLDs, PLAs, and more. Rich pedagogical features include review questions with answers, a glossary of key terms, a large number of solved examples, and numerous practice problems. This is a concise, less expensive alternative to other digital logic designs. This series is edited by Dick Dorf.

VLSI Design and Test - Anirban Sengupta 2019-08-17
This book constitutes the refereed proceedings of the 23st International Symposium on VLSI Design and Test, VDAT 2019, held in Indore, India, in July 2019. The 63 full papers were carefully reviewed and selected from 199 submissions. The papers are organized in topical sections named: analog and mixed signal design; computing architecture and security; hardware design and optimization; low power VLSI and memory design; device modelling; and hardware implementation.

FUNDAMENTALS OF DIGITAL CIRCUITS - A. ANAND KUMAR, 2016-07-18
The Fourth edition of this well-received text continues to provide coherent and comprehensive coverage of digital circuits. It is designed for the undergraduate students pursuing courses in areas of engineering disciplines such as Electrical and Electronics, Electronics and Communication, Electronics and Instrumentation, Telecommunications, Medical Electronics, Computer Science and Engineering, Electronics, and Computers and Information Technology. It is also useful as a text for MCA, M.Sc. (Electronics) and M.Sc. (Computer Science) students. Appropriate for self study, the book is useful even for AMIE and grad IETE students. Written in a student-friendly style, the book provides an excellent introduction to digital concepts and basic design techniques of digital circuits. It discusses Boolean algebra concepts and their application to digital circuitry, and elaborates on both combinational and sequential circuits. It provides numerous fully worked-out, laboratory tested examples to give students a solid grounding in the related design concepts. It includes a number of short questions with answers, review questions, fill in the blanks with answers, multiple choice questions with answers and exercise problems at the end of each chapter.

AUDITING - RAVINDER KUMAR 2015-05-01
This comprehensive, well-received and thoroughly updated text, now in its Third Edition, continues to provide an in-depth analysis of the basic concepts of Auditing emphasising the practical aspects of the course. The book discusses in detail, classification and preparation of an audit, internal control system, internal audit, vouching of cash, trading and impersonal ledgers in addition to other topics. Besides, it deals with verification and valuation of assets and liabilities, company audit, cost audit, management audit, tax audit, bank audit as well as depreciation. The final chapters of the book give detailed description of business investigations, audit of special entities and auditing in EDP environment.

Contemporary topics have been covered in the book to enlighten readers with the latest developments in the field of auditing, such as cost audit, tax audit, environmental audit and energy audit. The book is intended to serve as an indispensable text for undergraduate students of commerce as well as for CA and ICWA aspirants. New to this Edition • The Companies Act, 2013 (based on new company law). • Internal Audit chapter especially updated in the light of Section 138 of the Companies Act, 2013 and Rule 13 of the Companies (Accounts) Rules, 2014 notified by MCA. • Cost Audit chapter based on the latest Companies (Cost Records and Audit) Rules, 2014, issued by MCA.

Microbe Mediated Remediation of Environmental Contaminants - Ajay Kumar 2020-10-14
Microbe Mediated Remediation of Environmental Contaminants presents recent scientific progress in applying microbes for environmental management. The book explores the current existing practical applications and provides information to help readers develop new practices and applications. Edited by recognized leaders in the field, this penetrating assessment of our progress to date in deploying microorganisms to the advantage of environmental management and biotechnology will be widely welcomed by those working in soil contamination management, agriculture, environment management, soil microbiology, and waste management. The polluting effects on the world around us of soil erosion, the unwanted migration of sediments, chemical fertilizers and pesticides, and the improper treatment of human and animal wastes have resulted in serious environmental and social problems around the world, problems which require us to look for solutions elsewhere than established physical and chemical technologies. Often the answer lies in hybrid applications in which microbial methods are combined with physical and chemical ones. When we remember that these highly effective microorganisms, cultured for a variety of applications, are but a tiny fraction of those to be found in the world around us, we realize the vastness of the untapped and beneficial potential of microorganisms. Explores microbial application redressing for soil and water contamination challenges Includes information on

microbial synthesized nanomaterials for remediation of contaminated soils Presents a uniquely hybrid approach, combining microbial interactions with other chemical and physical methods
Digital Electronics - Anil K. Maini 2007-09-27
The fundamentals and implementation of digital electronics are essential to understanding the design and working of consumer/industrial electronics, communications, embedded systems, computers, security and military equipment. Devices used in applications such as these are constantly decreasing in size and employing more complex technology. It is therefore essential for engineers and students to understand the fundamentals, implementation and application principles of digital electronics, devices and integrated circuits. This is so that they can use the most appropriate and effective technique to suit their technical need. This book provides practical and comprehensive coverage of digital electronics, bringing together information on fundamental theory, operational aspects and potential applications. With worked problems, examples, and review questions for each chapter, Digital Electronics includes: information on number systems, binary codes, digital arithmetic, logic gates and families, and Boolean algebra; an in-depth look at multiplexers, de-multiplexers, devices for arithmetic operations, flip-flops and related devices, counters and registers, and data conversion circuits; up-to-date coverage of recent application fields, such as programmable logic devices, microprocessors, microcontrollers, digital troubleshooting and digital instrumentation. A comprehensive, must-read book on digital electronics for senior undergraduate and graduate students of electrical, electronics and computer engineering, and a valuable reference book for professionals and researchers.
Cyber Security, Cyber Crime and Cyber Forensics: Applications and Perspectives - Santanam, Raghu 2010-12-31
Recent developments in cyber security, crime, and forensics have attracted researcher and practitioner interests from technological, organizational and policy-making perspectives. Technological advances address challenges in information sharing, surveillance and analysis, but organizational advances are needed to foster collaboration between

federal, state and local agencies as well as the private sector. Cyber Security, Cyber Crime and Cyber Forensics: Applications and Perspectives provides broad coverage of technical and socio-economic perspectives for utilizing information and communication technologies and developing practical solutions in cyber security, cyber crime and cyber forensics.

Security in Computing and Communications - Jaime Lloret Mauri 2014-08-27
This book constitutes the refereed proceedings of the International Symposium on Security in Computing and Communications, SSCC 2014, held in Delhi, India, in September 2013. The 36 revised full papers presented together with 12 work-in-progress papers were carefully reviewed and selected from 132 submissions. The papers are organized in topical sections on security and privacy in networked systems; authentication and access control systems; encryption and cryptography; system and network security; work-in-progress.

Handbook of Research on Advancements of Artificial Intelligence in Healthcare Engineering - Sisodia, Dilip Singh 2020-02-28
Artificial intelligence (AI) is revolutionizing every aspect of human life including human healthcare and wellbeing management. Various types of intelligent healthcare engineering applications have been created that help to address patient healthcare and outcomes such as identifying diseases and gathering patient information. Advancements in AI applications in healthcare continue to be sought to aid rapid disease detection, health monitoring, and prescription drug tracking. TheHandbook of Research on Advancements of Artificial Intelligence in Healthcare Engineering is an essential scholarly publication that provides comprehensive research on the possible applications of machine learning, deep learning, soft computing, and evolutionary computing techniques in the design, implementation, and optimization of healthcare engineering solutions. Featuring a wide range of topics such as genetic algorithms, mobile robotics, and neuroinformatics, this book is ideal for engineers, technology developers, IT consultants, hospital administrators, academicians, healthcare professionals, practitioners,

researchers, and students.

Futuristic Trends in Network and Communication Technologies - Pradeep Kumar Singh 2018-12-24
This book constitutes the refereed proceedings of the First International Conference on Futuristic Trends in Network and Communication Technologies, FTNCT 2018, held in Solan, India, in February 2018. The 37 revised full papers presented were carefully reviewed and selected from 239 submissions. The prime aim of the conference is to invite researchers from different domains of network and communication technologies to a single platform to showcase their research ideas. The selected papers are organized in topical sections on communication technologies, Internet of Things (IoT), network technologies, and wireless networks.

Machines, Mechanism and Robotics - Rajeev Kumar 2021-07-21
This volume includes select papers presented during the 4th International and 19th National Conference on Machines and Mechanism (iNaCoMM 2019), held in Indian Institute of Technology, Mandi. It presents research on various aspects of design and analysis of machines and mechanisms by academic and industry researchers.

Digital Electronics : Theory And Experiments - Virender Kumar 2007
This Book Systematically Presents A Series Of Interesting Experiments On Digital Devices. It Also Explains The Basic Theory Underlying These Devices And Experiments.After Explaining The Essential Characteristics And Operating Features Of Logic Devices, The Book Considers Various Types Of Logic Gates And Provides Experiments Which Are Designed To Make The Student Familiar With These Devices.Interfacing Problems Between Logic Devices Of Different Families Are Then Considered And Various Practical Solutions Are Explored.Experiments On More Complex Devices Like Multivibrators, Counters, Decoders, Encoders, Logic Circuits, Memories, Led Displays, Analog/Digital And Digital/Analogy Converters Are Then Systematically Discussed.All Chapters Begin With The Theory Of The Device Being Considered, Its Operating Characteristics And The Results Expected From The Associated Experiments. Each Experiment Is Assigned A Set Of Objectives Followed

By Step-By-Step Operating Procedures For Performing The Experiment.The Book Would Serve As An Excellent Text-Cum-Manual For B.Sc., B.E. And Diploma Students Of Electronics And Computer Science.

Security and Privacy Issues in Sensor Networks and IoT - Ahlawat, Priyanka 2019-10-25
As technology continues to expand and develop, the internet of things (IoT) is playing a progressive role in the infrastructure of electronics. The increasing amount of IoT devices, however, has led to the emergence of significant privacy and security challenges. Security and Privacy Issues in Sensor Networks and IoT is a collection of innovative research on the methods and applications of protection disputes in the internet of things and other computing structures. While highlighting topics that include cyber defense, digital forensics, and intrusion detection, this book is ideally designed for security analysts, IT specialists, software developers, computer engineers, industry professionals, academicians, students, and researchers seeking current research on defense concerns in cyber physical systems.

Bioprocessing of Renewable Resources to Commodity Bioproducts - Virendra S. Bisaria 2014-04-07
This book provides the vision of a successful biorefinery—the lignocelluloic biomass needs to be efficiently converted to its constituent monomers, comprising mainly of sugars such as glucose, xylose, mannose and arabinose. Accordingly, the first part of the book deals with aspects crucial for the pretreatment and hydrolysis of biomass to give sugars in high yield, as well as the general aspects of bioprocessing technologies which will enable the development of biorefineries through inputs of metabolic engineering, fermentation, downstream processing and formulation. The second part of the book gives the current status and future directions of the biological processes for production of ethanol (a biofuel as well as an important commodity raw material), solvents (butanol, isobutanol, butanediols, propanediols), organic acids (lactic acid, 3-hydroxy propionic acid, fumaric acid, succinic acid and adipic acid), and amino acid (glutamic acid). The commercial production

of some of these commodity bioproducts in the near future will have a far reaching effect in realizing our goal of sustainable conversion of these renewable resources and realizing the concept of biorefinery. Suitable for researchers, practitioners, graduate students and consultants in biochemical/ bioprocess engineering, industrial microbiology, bioprocess technology, metabolic engineering, environmental science and energy, the book offers: Exemplifies the application of metabolic engineering approaches for development of microbial cell factories Provides a unique perspective to the industry about the scientific problems and their possible solutions in making a bioprocess work for commercial production of commodity bioproducts Discusses the processing of renewable resources, such as plant biomass, for mass production of commodity chemicals and liquid fuels to meet our ever- increasing demands Encourages sustainable green technologies for the utilization of renewable resources Offers timely solutions to help address the energy problem as non-renewable fossil oil will soon be unavailable

Health Education & Community Pharmacy: For First Year Diploma - N. S. Parmar 2008-02-01

Polymeric Nanoparticles as a Promising Tool for Anti-cancer Therapeutics - Prashant Kesharwani 2019-07-08
Polymeric Nanoparticles as Promising Tool for Anti-cancer Therapeutics provides an understanding of polymeric compounds and their use in cancer therapies. The book begins by giving an overview of the current status, future challenges and potential utilization of polymeric nanoparticles. It then covers specific polymeric nanoparticles through contributions from world-renowned experts and researchers. Chapters examine specific polymeric nanoparticles, their development as potential targeted delivery systems, and cancer characteristics that can be targeted for therapy development. The book synthesizes current research trends in the field, thus enhancing existing knowledge of nanomedicine, drug delivery and therapeutic intervention strategies in human cancers. Users will find this to be an ideal reference for research scientists and those in the pharmaceutical and medical fields who are

working to develop novel cancer therapies using nanoparticle-based delivery systems. Explores the development of polymeric nanoparticle systems for the purpose of cancer therapy Presents thoroughly analyzed data and results regarding the usage of polymeric nanoparticles-based platforms for the diagnosis and treatment of cancer Highlights various cancer characteristics that can be targeted for therapeutic development using polymeric nanoparticles

Advances in Computer and Computational Sciences - Sanjiv K. Bhatia 2017-10-03
Exchange of information and innovative ideas are necessary to accelerate the development of technology. With advent of technology, intelligent and soft computing techniques came into existence with a wide scope of implementation in engineering sciences. Keeping this ideology in preference, this book includes the insights that reflect the 'Advances in Computer and Computational Sciences' from upcoming researchers and leading academicians across the globe. It contains high-quality peer-reviewed papers of 'International Conference on Computer, Communication and Computational Sciences (ICCCCS 2016), held during 12-13 August, 2016 in Ajmer, India'. These papers are arranged in the form of chapters. The content of the book is divided into two volumes that cover variety of topics such as intelligent hardware and software design, advanced communications, power and energy optimization, intelligent techniques used in internet of things, intelligent image processing, advanced software engineering, evolutionary and soft computing, security and many more. This book helps the perspective readers' from computer industry and academia to derive the advances of next generation computer and communication technology and shape them into real life applications.

A Century of Plant Virology in India - Bikash Mandal 2017-11-28
The book is a compilation of research work carried out on plant viruses during past 100 years in India. Plant viruses are important constraints in Indian agriculture. Tropical and sub-tropical environments and intensive crop cultivation practices ideally favours perpetuation of numerous plant viruses and their vectors in India, which often cause wide spread crop losses. Of all the plant pathogens, studies of plant viruses have received a special attention as they are difficult to manage. A large body of literature has been published on the plant virus research from India during past 100 years; however the information is so far not available in one place. This book provides comprehensive information on the biology, molecular biology, epidemics, crop losses, diagnosis and management of viruses and viroids occurring in India. Description of properties of the viruses are provided in the chapters comprising of different genera such as Allexivirus, Begomovirus, Babuvirus, Badnavirus, Carlavirus, Carmovirus, Cucumovirus, Closterovirus, Ilavirus, Mandrivirus, Potyvirus, Tospovirus, Tungrovirus and Sobemovirus. Virus-vector research related to aphid, thrips and whitefly is discussed. The work on the management aspects of plant viral diseases has been described with reference to the conventional, antiviral and transgenic approaches. Further, the quarantine mechanism developed in India for the exclusion of viruses and vectors has also been included. The book also provides useful information about the capacity building on the research and education on Plant Virology in India. Overall, the book covers a wide range of accounts of research findings and innovations in Plant Virology in India during past 100 years. The book will be a resourceful reference to the students, scientists, agricultural professionals and policy makers.

The Future Rice Strategy for India - Samarendu Mohanty 2017-06-07
The Future Rice Strategy for India presents forward-looking insights toward achieving sustainable development of the rice sector, ensuring future food and nutritional security. As a staple food for many in India, including the economically disadvantaged, there are many concerns that affect the development of rice sector. Facing issues from environmental demands to economic stagnation, access to food, food inflation, and the Food Security Act (demand – supply – distribution of rice) achieving sustainability in production and exports is an important and urgent challenge. Using case studies to illustrate existing and potential issues, challenges and solutions, The Future Rice Strategy for India presents key strategic options while considering the implicit consequences. In addition, the findings enrich the strategy and policy formulation

considerations for the role of rice in the country. This multidisciplinary approach features the expertise of rice scientists covering different aspects of rice sector; from breeding to consumer preferences and markets and trade. Uses analysis based on agro ecological zones (AEZ) patterns providing understanding of future growth patterns based on rice ecologies Includes case studies with proposed solutions taking into consideration pros and cons of each, allowing readers facing similar concerns and issues to identify an appropriate solution more efficiently and effectively

Proceedings of the International Conference on Paradigms of Computing, Communication and Data Sciences - Mayank Dave 2021-02-19
This book presents best selected papers presented at the International Conference on Paradigms of Computing, Communication and Data Sciences (PCCDS 2020), organized by National Institute of Technology, Kurukshetra, India, during 1–3 May 2020. It discusses high-quality and cutting-edge research in the areas of advanced computing, communications and data science techniques. The book is a collection of latest research articles in computation algorithm, communication and data sciences, intertwined with each other for efficiency.

Future of Regional Cooperation in Asia and the Pacific - Bambang Susantono 2020-11-01
This book reviews progress with regional cooperation and integration in Asia and the Pacific and explores how it can be reshaped to achieve a more resilient, sustainable, and inclusive future. Consisting of papers contributed by renowned scholars and Asian Development Bank staff, the book covers four major areas: public goods, trade and investment, financial cooperation, and regional health cooperation. The book emphasizes how the region can better leverage regional integration to realize its vast potential as well as overcome challenges such as the coronavirus disease (COVID-19) pandemic.

Learning How to Learn Using Multimedia - Deepanjali Mishra 2021-08-28
This book introduces the concept of multimedia in education, and how multimedia technology could be implemented to impart digital education to university students. The book emphasizes the versatile use of technology enabled education through the research papers from distinguished academicians and researchers who are specifically working in this area. It benefits all those researchers who are enthusiastic about learning online and also for those academicians who are interested to work on various aspects of learning and teaching through technology.

Geospatial Technology and Smart Cities - Poonam Sharma 2021-07-06
This book presents fundamental and applied research in developing geospatial modeling solutions to manage the challenges that urban areas are facing today. It aims to connect the academics, researchers, experts, town planners, investors and government officials to exchange ideas. The areas addressed include urban heat island analysis, urban flood vulnerability and risk mapping, green spaces, solar energy, infrastructure management, among others. The book suggests directions for smart city research and outlines practical propositions. As an emerging and critical area of research and development, much research is now being done with regard to cities. At the international level and in India alike, the "smart cities" concept is a vital topic for universities and research centers, and well as for civic bodies, town planners and policymakers. As such, the book offers a valuable resource for a broad readership.

Information and Communication Technologies for Development. Strengthening Southern-Driven Cooperation as a Catalyst for ICT4D - Petter Nielsen 2019-04-26
The two volumes IFIP AICT 551 and 552 constitute the refereed proceedings of the 15th IFIP WG 9.4 International Conference on Social Implications of Computers in Developing Countries, ICT4D 2019, held in Dar es Salaam, Tanzania, in May 2019. The 97 revised full papers and 2 short papers presented were carefully reviewed and selected from 185 submissions. The papers present a wide range of perspectives and disciplines including (but not limited to) public administration, entrepreneurship, business administration, information technology for development, information management systems, organization studies,

philosophy, and management. They are organized in the following topical sections: communities, ICT-enabled networks, and development; digital platforms for development; ICT for displaced population and refugees. How it helps? How it hurts?; ICT4D for the indigenous, by the indigenous and of the indigenous; local technical papers; pushing the boundaries - new research methods, theory and philosophy in ICT4D; southern-driven human-computer interaction; sustainable ICT, informatics, education and learning in a turbulent world - "doing the safari way".

Intelligent Systems - Information Resources Management Association 2018
"This book contains a compendium of the latest academic material on the latest breakthroughs and recent progress in intelligent systems.

Including innovative studies on information retrieval, artificial intelligence, and software engineering"--

VLSI Design and Test - Brajesh Kumar Kaushik 2017-12-21
This book constitutes the refereed proceedings of the 21st International Symposium on VLSI Design and Test, VDAT 2017, held in Roorkee, India, in June/July 2017. The 48 full papers presented together with 27 short papers were carefully reviewed and selected from 246 submissions. The papers were organized in topical sections named: digital design; analog/mixed signal; VLSI testing; devices and technology; VLSI architectures; emerging technologies and memory; system design; low power design and test; RF circuits; architecture and CAD; and design verification.