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Intelligent Links Springer

This book is a collection of the best research papers presented at the 8th International Conference on Innovations in Electronics and Communication Engineering at Guru Nanak Institutions Hyderabad, India. Featuring contributions by researchers, technocrats and experts, the book covers various areas of communication engineering, like signal processing, VLSI design, embedded systems, wireless communications, and electronics and communications in general, as well as cutting-edge technologies. As such, it is a valuable reference resource for young researchers.

GATE 2021 - Guide - Electronics and Communication Engineering John Wiley & Sons

International conference on Advanced Materials and Manufacturing Processes (ICAMMP 18) Selected, peer reviewed papers from the International Conference on Advanced Materials and Manufacturing Processes (ICAMMP 2018), March 30 - 31, 2018,

Vizianagaram, India

Design and Applications Springer Nature

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

Advances in Computational Intelligence and Informatics Springer

This book features selected papers presented at the Fourth International Conference on Nanoelectronics, Circuits and Communication Systems (NCCS 2018). Covering topics such as MEMS and nanoelectronics, wireless communications, optical

communications, instrumentation, signal processing, the Internet of Things, image processing, bioengineering, green energy, hybrid vehicles, environmental science, weather forecasting, cloud computing, renewable energy, RFID, CMOS sensors, actuators, transducers, telemetry systems, embedded systems, and sensor network applications in mines, it offers a valuable resource for young scholars, researchers, and academics alike.

Software Defined Networking for Ad Hoc Networks Springer Nature

New, updated and expanded topics in the fourth edition include: EBCDIC, Grey code, practical applications of flip-flops, linear and shaft encoders, memory elements and FPGAs. The section on fault-finding has been expanded. A new chapter is dedicated to the interface between digital components and analog voltages. *A highly accessible, comprehensive and fully up to date digital systems text *A well known and respected text now revamped for current courses *Part of the Newnes suite of texts for HND/1st year modules

NCC-2005, 28-30 January, 2005 Springer Nature

Practical, concise and complete reference for the basics of modern antenna design *Antennas: from Theory to Practice* discusses the basics of modern antenna design and theory. Developed specifically for engineers and designers who work with radio communications, radar and RF engineering, this book offers practical and hands-on treatment of antenna theory and techniques, and provides its readers the skills to analyse, design and measure various antennas. Key features: Provides thorough coverage on the basics of transmission lines, radio waves and propagation, and antenna analysis

and design Discusses industrial standard design software tools, and antenna measurement equipment, facilities and techniques Covers electrically small antennas, mobile antennas, UWB antennas and new materials for antennas Also discusses reconfigurable antennas, RFID antennas, Wide-band and multi-band antennas, radar antennas, and MIMO antennas Design examples of various antennas are provided Written in a practical and concise manner by authors who are experts in antenna design, with experience from both academia and industry This book will be an invaluable resource for engineers and designers working in RF engineering, radar and radio communications, seeking a comprehensive and practical introduction to the basics of antenna design. The book can also be used as a textbook for advanced students entering a profession in this field.

Applied Computer Vision and Image Processing Springer Nature

This book presents the select peer-reviewed proceedings of the International Conference on Signal and Data Processing (ICSDP) 2019. It examines and deliberates on the recent progresses in the areas of communication and signal processing. The book includes topics on the recent advances in the areas of wired and wireless communication, low complexity architecture of MIMO receivers, applications on wireless sensor networks and internet of things, signal processing, image processing and computer vision, VLSI embedded systems, cognitive networks, power electronics and automation, mechatronics based applications, systems and control, cognitive science and machine intelligence, information security and big

data. The contents of this book will be useful for beginners, researchers, and professionals interested in the area of communication, signal processing, and allied fields.

Proceedings of the 3rd International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA) 2014 Springer Nature

After a brief introduction into the theory of electromagnetic fields and the definition of the field quantities the book teaches the analytical solution methods of Maxwell's equations by means of several characteristic examples. The focus is on static and stationary electric and magnetic fields, quasi stationary fields, and electromagnetic waves. For a deeper understanding, the many depicted field patterns are very helpful. The book offers a collection of problems and solutions which enable the reader to understand and to apply Maxwell's theory for a broad class of problems including classical static problems right up to waveguide eigenvalue problems.

Proceedings of ICSCSP 2018, Volume 1 Springer

Electronics & Communication Engineering is a simple e-Book for Electronics & Communication Diploma & Engineering Course Revised Syllabus in 2018, It contains objective questions with underlined & bold correct answers MCQ covering all topics including all about the latest & Important about Professional Communication, Industrial Management and Entrepreneurship Development, Applied Mathematics III, Electrical Engineering, Environmental Education & Disaster Management, Applied Physics, Industrial Electronics & Transducers, Communication System, Applied Chemistry, Network Filters & Transmission Lines, Electronic Instruments And Measurement., Applied

Mechanics, Electronic Devices and Circuits., Construction Management, Accounts & Entrepreneurship Development, Engineering Mechanics & Materials, Principles of Communication Engineering., Audio and Video System, Electrical Engineering I, Principles of Digital Electronics, Television Engineering, Electronic Components and Devices., Electronics Workshop., Microprocessor and Application., Technical Drawing., Programming in C & C++, Project -I. Problem, Elementary Workshop Practice., Computer Application for Engineering, Modern Communication System, Microelectronics, Electronic Equipment Testing, Advance, Microprocessor & Interface Microwave & Radar Engineering, Modern Consumer Electronics Appliances, Bio-Medical Electronics and lots more.

Electronics Communication Engineering MCQ Springer Nature

The book comprises selected papers presented at the International Conference on Wireless Communication (ICWiCOM), which is organized by D. J. Sanghvi College of Engineering's Department of Electronics and Telecommunication Engineering. The book focuses on specific topics of wireless communication, like signal and image processing applicable to wireless domains, networking, microwave and antenna design, and telemedicine systems. Covering three main areas - networking, antenna designs and embedded systems applicable to communication - it is a valuable resource for postgraduate and doctoral students.

A Collection of Problems Springer Nature
This three-volume set (CCIS 1367-1368) constitutes the refereed proceedings of the 5th International Conference on

Computer Vision and Image Processing, CVIP 2020, held in Prayagraj, India, in December 2020. Due to the COVID-19 pandemic the conference was partially held online. The 134 papers were carefully reviewed and selected from 352 submissions. The papers present recent research on such topics as biometrics, forensics, content protection, image enhancement/super-resolution/restoration, motion and tracking, image or video retrieval, image, image/video processing for autonomous vehicles, video scene understanding, human-computer interaction, document image analysis, face, iris, emotion, sign language and gesture recognition, 3D image/video processing, action and event detection/recognition, medical image and video analysis, vision-based human GAIT analysis, remote sensing, and more.

MCCS 2018 New Age International
This book offers a collection of high-quality peer-reviewed research papers presented at the Second International Conference on Communication and Computational Technologies (ICCCT 2019), held at Rajasthan Institute of Engineering and Technology, Jaipur, Rajasthan, India, on 30–31 August 2019. In contributions prepared by researchers from academia and industry alike, the book discusses a wide variety of industrial, engineering and scientific applications of emerging techniques.

The Journal of the Computer Society of India Springer

This volume contains 74 papers presented at SCI 2016: First International Conference on Smart Computing and Informatics. The conference was held during 3-4 March 2017, Visakhapatnam, India and organized communally by ANITS, Visakhapatnam and supported

technically by CSI Division V – Education and Research and PRF, Vizag. This volume contains papers mainly focused on applications of advanced intelligent techniques to video processing, medical imaging, machine learning, sensor technologies, and network security.

Inventive Communication and Computational Technologies Springer

This book describes materials of construction, the sources, characteristics, extraction, manufacture and uses. It meets the complete syllabi needs of undergraduate courses in civil engineering. The text includes a listing of: the various sources of materials; availability in different areas; manufacturing of varieties of materials; introduction of charts, tables and graphs with informative notes; and, the use of water and its procession, along with schematic diagrams.

ICWiCOM 2019 Springer

Innovations in Electronics and Communication Engineering Proceedings of the 8th ICIECE 2019 Springer Nature
Proceedings of International Conference on Communication and Computational Technologies Springer Nature

This book gathers high-quality research papers presented at the International Conference on Computing in Engineering and Technology (ICCET 2020) [formerly ICCASP]. A flagship conference on engineering and emerging next-generation technologies, it was jointly organized by Dr. Babasaheb Ambedkar Technological University and MGMs College of Engineering, Nanded, India on 9–11 January 2020. Focusing on applied computer vision and image processing, this proceedings volume includes papers on image processing, computer vision, pattern recognition, and DSP/DIP applications in healthcare systems.

Electromagnetic Field Theory Elsevier

The book presents high-quality papers from the Third International Conference on Microelectronics, Computing & Communication Systems (MCCS 2018). It discusses the latest technological trends and advances in MEMS and nanoelectronics, wireless communications, optical communication, instrumentation, signal processing, image processing, bioengineering, green energy, hybrid vehicles, environmental science, weather forecasting, cloud computing, renewable energy, RFID, CMOS sensors, actuators, transducers, telemetry systems, embedded systems, and sensor network applications. It includes papers based on original theoretical, practical and experimental simulations, development, applications, measurements, and testing. The applications and solutions discussed in the book provide excellent reference material for future product development. *Nanoelectronics, Circuits and Communication Systems* Blue Hill Publications

We are very thankful to the Madras Scientific Research Foundation for providing us with an opportunity to undertake this project. This book aims to give an understandable, foundational overview of machine learning and how it is utilized in practice by showcasing machine learning implementation in several case studies relevant to rural education in India. From the process of collection and preparation of data to the process of model deployment, the book displays the whole lifecycle of a data science project. A striking characteristic of this book is that it depicts the application of machine learning in real-life scenarios pertaining to rural education in India and how this project can be extremely beneficial. About the author Harshee Pitroda is a 4th year

student pursuing B.Tech. Integrated in Computer Engineering from SVKM's NMIMS Mukesh Patel School of Technology Management and Engineering (MPSTME), Mumbai, India. She is a determined and a focused individual. She is inclined towards academic excellence and also has the capability to do research and learn about the most cutting-edge developments in computer science, particularly machine learning and deep learning. She has explored machine learning applications in a variety of fields and hopes to use her research to develop technology-driven, automated, and intelligent solutions to real-world problems. She has presented 7 Research Papers at various conferences in the domain of Artificial Intelligence and Machine Learning. Karthik Konar is a final year student pursuing MCA from SVKM NMIMS Mukesh Patel School of Technology Management and Engineering (MPSTME), Mumbai, India. He has done internships at various companies such as coding ninjas (Technical Content Writer), Sure Trust (Database management systems trainer for engineering students). His passion for research led him to gain interest in exploring new domains such as artificial intelligence, wireless sensor networks, Cyber forensics. He has published 13 research papers in the fields of wireless sensor networks, machine learning, operating systems.

From Theory to Practice Trans Tech Publications Ltd

The book presents selected research papers on current developments in the field of soft computing and signal processing from the International Conference on Soft Computing and Signal Processing (ICSCSP 2018). It includes papers on current topics such as soft sets, rough sets, fuzzy logic,

neural networks, genetic algorithms and machine learning, discussing various aspects of these topics, like technological, product implementation, contemporary research as well as application issues.

Proceedings of ICSADL 2021 Springer Nature

This book offers a comprehensive overview of Software-Defined Network (SDN) based ad-hoc network technologies and exploits recent developments in this domain, with a focus on emerging technologies in SDN based ad-hoc networks. The authors offer practical and innovative applications in Network Security, Smart Cities, e-health, and Intelligent Systems. This book also addresses several key issues in SDN energy-efficient systems, the Internet of Things, Big Data, Cloud Computing and Virtualization, Machine

Learning, Deep Learning, and Cryptography. The book includes different ad hoc networks such as MANETs and VANETs, along with a focus on evaluating and comparing existing SDN-related research on various parameters. The book provides students, researchers, and practicing engineers with an expert guide to the fundamental concepts, challenges, architecture, applications, and state-of-the-art developments in the field. Presents Software-Defined Network (SDN) based ad-hoc network technologies with a focus on emerging technologies; Presents SDN requirements over traditional networking, followed by an elaboration on the fundamental architecture and its layers; Covers the effect of the SDN paradigm along with implementation problems in contact with ad hoc networks and examines probable use cases based on the SDN paradigm.