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Information
Technology and Mobile
Communication
Springer
The book is a



compilation of high-quality scientific papers presented at the 3rd International Conference on Computer & Communication Technologies (IC3T 2016). The individual papers address cutting-edge technologies and applications of soft computing, artificial intelligence and communication. In addition, a variety of further topics are discussed, which

include data mining, machine intelligence, fuzzy computing, sensor networks, signal and image processing, human-computer interaction, web intelligence, etc. As such, it offers readers a valuable and unique resource.

Planar Antennas Springer Nature
This book presents select proceedings of the International Conference on Futuristic Communication and Network Technologies (CFCNT 2020) conducted

at Vellore Institute of Technology, Chennai. It covers various domains in communication engineering and networking technologies. This volume comprises of recent research in areas like optical communication, optical networks, optics and optical computing, emerging trends in photonics, MEMS and sensors, active and passive RF components and devices, antenna systems and applications, RF devices and antennas for microwave emerging technologies, wireless communication for future networks, signal and image processing, machine

learning/AI for networks, internet of intelligent things, network security and blockchain technologies.

This book will be useful for researchers, professionals, and engineers working in the core areas of electronics and communication.

Nanoelectronics, Circuits and Communication Systems

Springer Nature

This book provides a fundamental and practical introduction to radio frequency and microwave engineering and physical aspects of wireless communication. In this book, the author addresses a wide

range of radio-frequency and microwave topics with emphasis on physical aspects including EM and voltage waves, transmission lines, passive circuits, antennas, radio wave propagation. Up-to-date RF design tools like RF circuit simulation, EM simulation and computerized smith charts, are used in various examples to demonstrate how these methods can be applied effectively in RF engineering practice. Design rules and working examples illustrate the theoretical parts. The examples are close to real world problems, so the reader can directly transfer the

methods within the context of their own work. At the end of each chapter a list of problems is given in order to deepen the reader's understanding of the chapter material and practice the new competences. Solutions are available on the author's website. Key Features: Presents a wide range of RF topics with emphasis on physical aspects e.g. EM and voltage waves, transmission lines, passive circuits, antennas. Uses various examples of modern RF tools that show how the methods can be applied productively in RF engineering practice. Incorporates various

design examples using circuit and electromagnetic (EM) simulation software. Discusses the propagation of waves: their representation, their effects, and their utilization in passive circuits and antenna structures. Provides a list of problems at the end of each chapter. Includes an accompanying website containing solutions to the problems (http://www.fh-rtmund.de/gustrau_rf_textbook) This will be an invaluable textbook for bachelor and masters students on electrical engineering courses (microwave engineering, basic circuit theory and

electromagnetic fields, wireless communications). Early-stage RF practitioners, engineers (e.g. application engineer) working in this area will also find this book of interest.

Proceedings of the 13th International FLINS Conference (FLINS 2018)

Springer

The book is a collection of high-quality peer-reviewed research papers presented in the International Conference on Artificial Intelligence and Evolutionary Computations in Engineering Systems (ICAIECES 2017). The book

discusses wide variety of industrial, engineering and scientific applications of the emerging techniques. Researchers from academia and industry have presented their original work and ideas, information, techniques and applications in the field of communication, computing and power technologies. Intelligent Communication, Control and Devices Springer. The second edition of Communication Skills for Engineers brings in a sound understanding and insight into the dynamics of communication in all spheres of life interpersonal, social and professional. The book hinges

on the premise that effective communication is an outcome of using the right combination of skills alongside an appropriate attitude.

IoT and Cloud Computing Advancements in Vehicular Ad-Hoc Networks Springer Nature

Wireless telecommunications is a key technology sector with tremendous opportunities for growth and development around the world. Recent years have seen an explosion in terms of the available wireless technologies such as mobile cellular networks for voice and packet data,

wireless local area networks, Bluetooth, and so on. Yet, the wireless revolution is very nascent and the 21st century is going to see tremendous diversification of wireless applications in 3G and 4G cellular networks such as rich multimedia-integrated voice-video communication, video-conferencing-based interactive services, multiuser gaming, and strategic surveillance for defence. The book comprehensively covers the fundamental technological advances that have led to progress in the area of wireless

communication systems in recent years. Salient Features

- Strong emphasis on ad-hoc networks and new trends in mobile/wireless communication
- Introduces 3G/4G standards such as HSDPA, LTE, WiMAX to help students understand practical aspects
- Demonstrates a deep theoretical understanding of network analysis along with its real-world applications
- Detailed description of radio propagation over wireless channel and its limitations
- Problem-solving-based

approach to enhance understanding • Blend of analytical and simulation-based problems and examples for better understanding of concepts • Pedagogy includes Over 90 illustrations Over 34 Solved Examples Over 103 Practice Questions Springer Nature

This is the 3rd edition of a research monograph providing a synthesis of old research on the foundations of dynamic programming (DP), with the modern theory of approximate DP and new research on semicontractive models. It aims at a unified and economical development of the core theory

and algorithms of total cost sequential decision problems, based on the strong connections of the subject with fixed point theory. The analysis focuses on the abstract mapping that underlies DP and defines the mathematical character of the associated problem. The discussion centers on two fundamental properties that this mapping may have: monotonicity and (weighted sup-norm) contraction. It turns out that the nature of the analytical and algorithmic DP theory is determined primarily by the presence or absence of these two properties, and the rest of the problem's structure is largely inconsequential. New research is focused on two areas: 1) The

ramifications of these properties in the context of algorithms for approximate DP, and 2) The new class of semicontractive models, exemplified by stochastic shortest path problems, where some but not all policies are contractive. The 3rd edition is very similar to the 2nd edition, except for the addition of a new chapter (Chapter 5), which deals with abstract DP models for sequential minimax problems and zero-sum games, The book is an excellent supplement to several of our books: Neuro-Dynamic Programming (Athena Scientific, 1996), Dynamic Programming and Optimal Control (Athena Scientific, 2017), Reinforcement Learning and Optimal Control (Athena Scientific, 2019), and

Rollout, Policy Iteration, and Distributed Reinforcement Learning (Athena Scientific, 2020).
3rd Edition Springer

This well-illustrated book synthesizes all aspects of allergy, asthma, and related fields such as aerobiology and immunology. Appropriate for allergy practitioners and medical students seeking the latest information on allergy and asthma, it covers aeroallergens and their source plants all over the world. The book focuses on allergies caused by pollen and environmental pollution as

well as skin disorders stemming from latex allergies. It contains the latest methods of diagnosis and treatment of allergy and asthma relevant to applied clinical immunology.

Abstract Dynamic Programming
Pearson Education India

This book presents selected papers from the 3rd International Conference on Micro-Electronics and Telecommunication Engineering, held at SRM Institute of Science and Technology, Ghaziabad, India, on 30-31 August 2019. It covers a wide variety of topics in micro-electronics and telecommunication engineering, including micro-electronic engineering, computational remote

sensing, computer science and intelligent systems, signal and image processing, and information and communication technology.

Smart Technologies in Data Science and Communication
Springer

Planar Antennas Design and Applications
CRC Press
Proceedings of ICAIECES 2017
John Wiley & Sons

This book comprises the refereed proceedings of the International Conference, AIM/CCPE 2012, held in Bangalore, India, in April 2012. The papers presented were carefully reviewed and selected from numerous submissions

and focus on the various aspects of research and development activities in computer science, information technology, computational engineering, mobile communication, control and instrumentation, communication system, power electronics and power engineering.

Proceedings of the 3rd International Conference on Communication, Devices and Computing Springer

This book comprises selected proceedings of the Fourth International Conference in Ocean Engineering (ICOE2018), focusing on

emerging opportunities and challenges in the field of ocean engineering and offshore structures. It includes state-of-the-art content from leading international experts, making it a valuable resource for researchers and practicing engineers alike.

Innovations in Electronics and Communication Engineering PHI Learning Pvt. Ltd.

This volume presents selected papers from the 2nd International Conference on Optical and Wireless Technologies, conducted

from 10th to 11th February, 2018. It focuses on extending the limits of currently used systems encompassing optical and wireless domains, and explores novel research on wireless and optical techniques and systems, describing practical implementation activities, results and issues.

The book will serve as a valuable reference resource for academics and researchers across the globe.

Proceedings of OWT 2018
Springer Nature

The book provides insights of International Conference in

Communication, Devices and Networking (ICCDN 2017) organized by the Department of Electronics and Communication Engineering, Sikkim Manipal Institute of Technology, Sikkim, India during 3 – 4 June, 2017. The book discusses latest research papers presented by researchers, engineers, academicians and industry professionals. It also assists both novice and experienced scientists and developers, to explore newer scopes, collect new ideas and establish new cooperation between research

groups and exchange ideas, information, techniques and applications in the field of electronics, communication, devices and networking. IEEE Membership Directory Planar Antennas Design and Applications The book contains high quality papers presented in the Fifth International Conference on Innovations in Electronics and Communication Engineering (ICIECE 2016) held at Guru Nanak Institutions, Hyderabad, India during 8 and 9 July 2016. The objective

is to provide the latest developments in the field of electronics and communication engineering specially the areas like Image Processing, Wireless Communications, Radar Signal Processing, Embedded Systems and VLSI Design. The book aims to provide an opportunity for researchers, scientists, technocrats, academicians and engineers to exchange their innovative ideas and research findings in the field of Electronics and Communication Engineering. Artificial Intelligence and

Evolutionary Computations in Engineering Systems IGI Global
The volume presents high quality papers presented at the Second International Conference on Microelectronics, Computing & Communication Systems (MCCS 2017). The book discusses recent trends in technology and advancement 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 original papers based on original theoretical, practical, experimental, simulations, development, application, measurement, and testing. The applications and solutions discussed in the book will serve as a good reference material for future works.

Textbook of Allergy for the Clinician Technical Publications
The book covers recent trends in the field of devices, wireless communication and networking. It presents the outcomes of the International Conference in Communication, Devices and Networking (ICCDN 2018), which was organized by the Department of Electronics and Communication Engineering, Sikkim Manipal Institute of Technology, Sikkim, India on 2 – 3 June, 2018. Gathering cutting-edge research papers prepared by researchers, engineers and industry professionals, it will help young and experienced scientists and developers alike to explore new perspectives, and offer them

inspirations on addressing real-world problems in the field of electronics, communication, devices and networking.

Proceedings of ICICCD 2018
Springer

This book features selected papers presented at Third International Conference on Nanoelectronics, Circuits and Communication Systems (NCCS 2017). Covering topics such as MEMS and nanoelectronics, wireless communications, optical communication, instrumentation, signal processing, 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 is a valuable resource for young scholars, researchers, and academics.

ICI2CT 2020 Springer

This book gathers selected papers presented at the International Conference on Innovations in Information and Communication Technologies (ICI2CT 2020), held at National University of Singapore, Singapore, during 18 – 19 December 2020. It presents the works on the intersection of the

Computer Science and Communication Engineering. Topics covered in the book include communications engineering, Internet and web technology, computer and information science, artificial intelligence, data science and management, and ICT applications.

RF and Microwave Engineering
Springer Science & Business Media

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

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