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Distributed Embedded
Systems: Design,
Middleware and Resources
CRC Press
This book constitutes the
thoroughly refereed
proceedings of the 12th
International Conference on
e-Infrastructure and e-

Services for Developing Countries, AFRICOMM 2020, held in Ebene City, Mauritius, in December 2020. Due to COVID-19 pandemic the conference was held virtually. The 20 full papers were carefully selected from 90 submissions. The papers are organized in four thematic sections on dynamic spectrum access and mesh networks; wireless sensing and 5G networks; software-defined networking; Internet of Things; e-services and big data; DNS resilience and performance.
Energy-Aware Communications

Springer

This volume presents the proceedings of the 6th International ICST Conference on Heterogeneous Networking for Quality, Reliability, Security and Robustness and of the Third International ICST Workshop on Advanced Architectures and Algorithms for Internet DELivery and Applications. Both events were held in Las Palmas de Gran Canaria in November 2009. To each of these events is devoted a specific part of the volume. The first part is dedicated to the proceedings of ICST QShine 2009. The first four chapters deal with new issues concerning the quality of service in IP-based telephony and multimedia. A second set of

four chapters addresses some important research problems in mul-hop wireless networks, with a special emphasis on the problems of routing. The following three papers deal with recent advances in the field of data management and area coverage in sensor networks, while a fourth set of chapters deals with mobility and context-aware services. The fifth set of chapters contains new works in the area of Internet delivery and switching systems. The following chapters of the QShine part of the volume are devoted to papers in the areas of resource management in wireless networks, overlay, P2P and SOA architectures. Some works also deal with the optimization of quality of service and energy consumption in

WLAN and sensor networks and on the design of a mobility support in mesh networks.

***Ad Hoc Wireless
Networking*** Springer
Nature

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Courses**

Aplusphysics John
Wiley & Sons
Provides a
comprehensive
overview of wireless
computing in
medicine, with
technological,
medical, and legal
advances This book
brings together the

latest work of etc. It also
leading scientists in discusses how to
the disciplines of improve portability
Computing, Medicine, and accuracy of
and Law, in the field monitoring
of Wireless Health. instruments and
The book is organized reduce the redundancy
into three main of data. It
sections. The first emphasizes the
section discusses the privacy and security
use of distributed of using such
computing in devices. The role of
medicine. It mobile sensing,
concentrates on wireless power and
methods for treating Markov decision
chronic diseases and process in
cognitive distributed computing
disabilities like is also examined. The
Alzheimer's, Autism, second section covers

nanomedicine and discusses how the drug delivery strategies for chronic diseases can be efficiently improved by Nanotechnology enabled materials and devices such as MENs and Nanorobots. The authors will also explain how to use DNA computation in medicine, model brain disorders and detect bio-markers using nanotechnology. The third section will focus on the legal and privacy issues, and how to implement these technologies in a way that is a safe and ethical. Defines the technologies of distributed wireless health, from software that runs cloud computing data centers, to the technologies that allow new sensors to work. Explains the applications of nanotechnologies to prevent, diagnose and cure disease. Includes case studies on how the technologies covered in the book are being implemented in the medical field, through both the creation of new medical applications and their integration into current systems. Discusses pervasive computing's organizational benefits to hospitals and health care organizations, and their ethical and legal challenges. Includes Wireless Computing in

Medicine: From Nano to Cloud with Its Ethical and Legal Implications is written as a reference for computer engineers working in wireless computing, as well as medical and legal professionals. The book will also serve students in the fields of advanced computing, nanomedicine, health informatics, and technology law.

Physics for Scientists and

Engineers, Volume 2: Electricity, Magnetism, Light, and Elementary Modern Physics Springer

This book provides basic and fundamental knowledge of various aspects of energy-aware computing at the component, software, and system level. It provides a broad range of topics dealing with power-, energy-, and temperature-related research areas for individuals from industry and academia.

Handbook of Energy-Aware and Green Computing - Two Volume Set I. K. International Pvt Ltd

The huge and growing demand for wireless communication systems has spurred a massive effort on the parts of the computer science and electrical engineering communities to formulate ever-more efficient protocols and algorithms. Written by a respected figure in the field, *Handbook of Wireless Networks and Mobile Computing* is the first book to cover the subject from a computer scientist's perspective. It provides detailed practical coverage of an array of key topics, including cellular networks, channel assignment, queuing, routing, power

optimization, and much more.
*The Handbook of Ad Hoc
Wireless Networks* John Wiley &
Sons

This book constitutes the refereed proceedings of the International Conference on Embedded and Ubiquitous Computing, EUC 2006, held in Seoul, Korea, August 2006. The book presents 113 revised full papers together with 3 keynote articles, organized in topical sections on power aware computing, security and fault tolerance, agent and distributed computing, wireless communications, real-time systems, embedded systems, multimedia and data management, mobile computing, network protocols, middleware

and P2P, and more.

**Energy Harvesting
Communications** Copyright
Office, Library of Congress

This book constitutes the refereed proceedings of the 17th EUNICE 2011 Workshop on energy-aware communications, held in Dresden, in September 2011. The proceedings comprise 16 full papers and 7 poster papers which are presented together with the abstracts of the 3 invited talks. The topics covered are: network architectures; ad-hoc and wireless networks; system simulation; network planning, optimization, and migration; traffic engineering; quality of experience; and energy efficient architectures.

**Wireless Computing in
Medicine** Addison-Wesley
Tectonic geomorphology is the study of the interplay between tectonic and surface processes that shape the landscape in regions of active deformation. Recent advances in the quantification of rates and physical basis of tectonic and surface processes have rejuvenated the field of tectonic geomorphology. Modern tectonic geomorphology is an exciting and highly integrative field

which utilizes techniques and data derived from studies of geomorphology, seismology, geochronology, structure, geodesy, and Quaternary climate change. While emphasizing new insights from the last decade of research, *Tectonic Geomorphology* reviews the fundamentals of the subject which include the nature of faulting and folding, the creation and use of geomorphic markers for tracing deformation, chronological techniques which date

deformation, geodetic techniques for defining recent deformation, and paleoseismologic approaches to calibrate past deformation. The overall focus of this book is on new interpretations of landform evolution and insights on the interplay between surface processes and tectonics that emerge from integrative studies. The authors have developed an up-to-date interpretation of landscapes in tectonically active environments for

upper-level undergraduate and graduate earth science students and practicing geologists. For an instructor's image bank, please visit: <http://www.geol.ucsb.edu/faculty/burbank> First text to take a broad interdisciplinary approach: integrated geomorphology, geophysics, and paleoclimatology. Includes the latest technological advances used in dating: Uranium series and dating and observation. Emphasizes the role of surface processes. Focuses on

landscapes at different time scales. Provides strong coverage on numerical modeling of tectonically active landscapes. Presents the recent approaches to calibrating rates of uplift and erosion. Stresses the tectonics of active plate margins in a detailed yet succinct way. Contains "Chapter introductions," "Chapter summaries," and "References" that reinforce principles and theory as well as provide additional background information.

Green Communications and Networking Springer

This book constitutes the refereed proceedings of the 22nd International Conference on Integrated Circuit and System Design, PATMOS 2012, held in Newcastle, UK Spain, in September 2012. The 25 revised full papers presented were carefully reviewed and selected from numerous submissions. The paper feature emerging challenges in methodologies and tools for the design of upcoming generations of integrated circuits and systems, including reconfigurable hardware such as FPGAs. The technical program focus on timing, performance and power consumption as well as

architectural aspects with particular emphasis on modeling, design, characterization, analysis and optimization.

Springer

This book contains the extended version of the works that have been presented and discussed in the First International Doctoral Symposium on Applied Computation and Security Systems (ACSS 2014) held during April 18-20, 2014 in Kolkata, India. The symposium has been jointly organized by the AGH University of Science

& Technology, Cracow, Poland and University of Calcutta, India. The Volume I of this double-volume book contains fourteen high quality book chapters in three different Parts. Part 1 is on Pattern Recognition and it presents four chapters. Part 2 is on Imaging and Healthcare Applications contains four more book chapters. The Part 3 of this volume is on Wireless Sensor Networking and it includes as many as six chapters. Volume II of the book has three Parts presenting a total of eleven

chapters in it. Part 4 consists of five excellent chapters on Software Engineering ranging from cloud service design to transactional memory. Part 5 in Volume II is on Cryptography with two book chapters in it. Part 6 of this volume is on Computer Aided Design with four chapters in it. We strongly believe that the twenty five chapters in these two volumes of Applied Computation and Security Systems will be appreciated by all its readers. Computational Vision and Bio-

Inspired Computing Springer Science & Business Media In 2007 The Design, Automation and Test in Europe (DATE) conference celebrated its tenth anniversary. As a tribute to the chip and system-level design and design technology community, this book presents a compilation of the three most influential papers of each year. This provides an excellent historical overview of the evolution of a domain that contributed substantially to the growth and competitiveness of the circuit electronics and systems industry. Proceedings of the Third International Conference on Trends in Information,

Telecommunication and Computing Springer Science & Business Media

Featuring more than five hundred questions from past Regents exams with worked out solutions and detailed illustrations, this book is integrated with

APlusPhysics.com website, which includes online questions and answer forums, videos, animations, and supplemental problems to help you master Regents Physics Essentials.

Wireless Sensor Networks and Energy Efficiency:

Protocols, Routing and Management Springer Nature

Latest Edition Explores Fresh, New Alternatives to Fossil Fuels
The Science of Renewable Energy, Second Edition takes a look at ways to produce sustainable and reliable energy sources and presents practical examples along with scientific methods, models, observations, and tools. Developed by esteemed author Frank R. Spellman, this book includes inpu

Green IT: Technologies and Applications CRC Press

This book constitutes the

refereed proceedings of the 9th International Conference on Next Generation Teletraffic and Wired/Wireless Advanced Networking, NEW2AN 2009, held in conjunction with the Second Conference on Smart Spaces, ruSMART 2009 in St. Petersburg, Russia, in September 2009. The 32 revised full papers presented were carefully reviewed and selected from a total of 82 submissions. The NEW2AN papers are organized in topical sections on teletraffic issues; traffic

measurements, modeling, and generate, distribute and control; peer-to-peer systems; consume electrical energy. security issues; wireless networks: ad hoc and mesh; and wireless networks: capacity and mobility. The ruSMART papers start with an invited talk followed by 10 papers on smart spaces. *Energy-Efficient Scheduling under Delay Constraints for Wireless Networks* IGI Global The Energy Internet: An Open Energy Platform to Transform Legacy Power Systems into Open Innovation and Global Economic Engines is an innovative concept that changes the way people

With the potential to transform the infrastructure of the electric grid, the book challenges existing power systems, presenting innovative and pioneering theories and technologies that will challenge existing norms on generation and consumption. Researchers, academics, engineers, consultants and policymakers will gain a thorough understanding of the Energy Internet that includes a thorough dissemination of case studies from the USA, China, Japan, Germany and the U.K.

The book's editors provide analysis of various enabling technologies and technical solutions, such as control theory, communication, and the social and economic aspects that are central to obtaining a clear appreciation of the potential of this complex infrastructure. Presents the first complete resource on the innovative concept of the Energy Internet Provides a clear analysis of the architecture of the Energy Internet to ensure an understanding of the technologies behind generating, distributing and consuming

electricity in this way Includes a variety of global case studies of real-world implementation and pilot projects to thoroughly demonstrate the theoretical, technological and economic considerations

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Courses Springer Science & Business Media

New hardcover Volume 2 edition of the classic text, now more than ever tailored to meet the needs of the struggling student.

Self-Organizing Systems

Springer

This book reports on the proceeding of the 5th International Conference on

Intelligent, Interactive Systems and Applications (IISA 2020), held in Shanghai, China, on September 25–27, 2020. The IISA proceedings, with the latest scientific findings, and methods for solving intriguing problems, are a reference for state-of-the-art works on intelligent and interactive systems. This book covers nine interesting and current topics on different systems’ orientations, including Analytical Systems, Database Management Systems,

Electronics Systems, Energy Systems, Intelligent Systems, Network Systems, Optimization Systems, and Pattern Recognition Systems and Applications. The chapters included in this book cover significant recent developments in the field, both in terms of theoretical foundations and their practical application. An important characteristic of the works included here is the novelty of the solution approaches to the most interesting applications of intelligent and interactive

systems.

Energy Harvesting Wireless Communications CRC Press

Includes Part 1, Number 2:

Books and Pamphlets,

Including Serials and

Contributions to Periodicals

(July - December)

Recent Trends and Advances in Wireless and IoT-enabled

Networks Springer Nature

This book includes selected papers from the 5th International Conference on Computational Vision and Bio Inspired Computing (ICCVBIC 2021), held in Coimbatore, India, during November 25-26, 2021. This book presents state-of-the-art research innovations in

computational vision and bio-inspired techniques. The book reveals the theoretical and practical aspects of bio-inspired computing techniques, like machine learning, sensor-based models, evolutionary optimization and big data modeling and management that make use of effectual computing processes in the bio-inspired systems. It also contributes to the novel research that focuses on developing bio-inspired computing solutions for various domains, such as human-computer interaction, image processing, sensor-based single processing, recommender systems and facial recognition, which play an indispensable part in smart agriculture, smart city, biomedical

and business intelligence applications.