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Architecting Dependable Systems VI VI Latin American Congress on Biomedical Engineering CLAIB 2014, Paraná, Argentina 29, 30 & 31 October 2014 Computer and Computing Technologies in Agriculture VI Decision Support Systems VI - Addressing Sustainability and Societal Challenges Distributed Autonomous Robotic System 6 Mobile Computing Enterprise Information Systems VI Declarative Agent Languages and Technologies VI Bluetooth Essentials for Programmers Evolving Technologies for Computing, Communication and Smart World Mobile and Wireless Internet SMART Automatics and Energy Intelligent Communication, Control and Devices Transportation and Information Ad Hoc and Sensor Networks Computer and Network Technology Data Modeling for Metrology and Testing in Measurement Science Internet of Vehicles. Technologies and Services for Smart Cities CWNA Guide to Wireless LANs Proceedings of Sixth International Congress on Information and Communication Technology Technology Now: Your Companion to SAM Computer Concepts World Congress on Medical Physics and Biomedical Engineering, June 7-12, 2015, Toronto, Canada Proceedings of the 2nd International Conference on Communication, Devices and Computing HWM Proceedings of the Ninth International Symposium on Consumer Electronics 2005 (ISCE 2005), 14-16 June 2005, Macau SAR Principles of Spread-Spectrum Communication Systems Industrial Communication Systems Running Windows on Your Mac CONAT 2016 International Congress of Automotive and Transport Engineering RF/Microwave Engineering and Applications in Energy Systems OS X Mountain Lion Bible Principles Of Digital Communication System & Computer Network Information and Communication Technology for Intelligent Systems Mission-Oriented Sensor Networks and Systems: Art and Science Networking All-in-One For Dummies Upgrading and Repairing Laptops Innovations and Advanced Techniques in Systems, Computing Sciences and Software Engineering Optical and Wireless Technologies EurAsia-ICT 2002: Information and Communication Technology Knowledge-Based Intelligent Information and Engineering Systems

VI Latin American Congress on Biomedical Engineering CLAIB 2014, Paraná, Argentina 29, 30 & 31 October 2014

Oct 01 2022 This volume presents the proceedings of the CLAIB 2014, held in Paraná, Entre Ríos, Argentina 29, 30 & 31 October 2014. The proceedings, presented by the Regional Council of Biomedical Engineering for Latin America (CORAL) offer research findings, experiences and activities between institutions and universities to develop Bioengineering, Biomedical Engineering and related sciences. The conferences of the American Congress of Biomedical Engineering are sponsored by the International Federation for Medical and Biological Engineering (IFMBE), Society for Engineering in Biology and Medicine (EMBS) and the Pan American Health Organization (PAHO), among other organizations and international agencies and bringing together scientists, academics and biomedical engineers in Latin America and other continents in an environment conducive to exchange and professional growth. The Topics include: - Bioinformatics and Computational Biology - Bioinstrumentation; Sensors, Micro and Nano Technologies - Biomaterials, Tissue Engineering and Artificial Organs - Biomechanics, Robotics and Motion Analysis - Biomedical Images and Image Processing - Biomedical Signal Processing - Clinical Engineering and Electromedicine - Computer and Medical Informatics - Health and home care, telemedicine - Modeling and Simulation - Radiobiology, Radiation and Medical Physics - Rehabilitation Engineering and Prosthetics - Technology, Education and Innovation

Decision Support Systems VI - Addressing Sustainability and Societal Challenges Jul 30 2022 This book constitutes the refereed proceedings of the Second International Conference on Decision Support Systems Technology, ICDSST 2016, held in Plymouth, UK, May 23-25. The theme of the event was “Decision Support Systems Addressing Sustainability & Societal Challenges”, organized by the EURO (Association of European Operational Research Societies) working group of Decision Support Systems (EWG-DSS). The 15 full papers presented in this book were selected out of 51 submissions after being carefully reviewed by internationally experts from the ICDSST 2016 Program Committee and external invited reviewers. The selected papers are representative of current and relevant research activities in various areas of decision support systems, such as sustainability and societal challenges; risk management and project portfolio management; business intelligence and knowledge management; and technologies to improve system usability.

HWM Nov 09 2020 Singapore's leading tech magazine gives its readers the power to decide with its informative articles and in-depth reviews.

Intelligent Communication, Control and Devices Oct 21 2021 The book focuses on the integration of intelligent

communication systems, control systems, and devices related to all aspects of engineering and sciences. It contains high-quality research papers presented at the 2nd international conference, ICICCD 2017, organized by the Department of Electronics, Instrumentation and Control Engineering of University of Petroleum and Energy Studies, Dehradun on 15 and 16 April, 2017. The volume broadly covers recent advances of intelligent communication, intelligent control and intelligent devices. The work presented in this book is original research work, findings and practical development experiences of researchers, academicians, scientists and industrial practitioners.

Technology Now: Your Companion to SAM Computer Concepts Feb 10 2021 **TECHNOLOGY NOW: YOUR COMPANION TO SAM COMPUTER CONCEPTS** helps students learn computer concepts that are essential for success in the workplace today. Technology Now aligns perfectly with the SAM Computer Concepts tasks; this 1:1 correspondence of book topics to SAM content provides a streamlined learning experience for all students, no matter what their learning style or level of experience. Adapted for print (or digital e-book) by technology expert and author Professor Corinne Hoisington, Technology Now not only compliments and reinforces the online experience, but also provides additional material beyond what is in SAM to help students learn; hands-on activities let students try new technologies and ethical issues scenarios, critical thinking activities, and team projects help to elevate their thinking and keep them engaged and motivated. Technology Now is written in simple language with fun and interesting examples that today's students can relate to; information is current, concise and presented visually in bite-sized chunks with key terms highlighted and defined. Customize the printed book to include just the chapters that meet your course's learning objectives, and set up your SAM course so it contains only the SAM tasks covered in the book. Use the e-book version with SAM for a 100% digital course. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Innovations and Advanced Techniques in Systems, Computing Sciences and Software Engineering Sep 27 2019 *Innovations and Advanced Techniques in Systems, Computing Sciences and Software Engineering* includes a set of rigorously reviewed world-class manuscripts addressing and detailing state-of-the-art research projects in the areas of Computer Science, Software Engineering, Computer Engineering, and Systems Engineering and Sciences. *Innovations and Advanced Techniques in Systems, Computing Sciences and Software Engineering* includes selected papers from the conference proceedings of the International Conference on Systems, Computing Sciences and Software Engineering (SCSS 2007) which was part of the International Joint Conferences on Computer, Information and Systems Sciences and Engineering (CISSE 2007).

Transportation and Information Sep 19 2021 Transformations in wireless connectivity and location-aware technologies hold the promise of bringing a sea-change in the way transportation information is generated and used in the future. Sensors in the transportation system, when integrated with those in other sectors (for example, energy, utility and health) have the potential to foster novel new ways of improving livability and sustainability. The end-result of these developments has been somewhat contradictory. Although automation in the transportation environment has become increasingly widespread, the level of involvement and active participation by people, in terms of co-creation and contribution of information, has also increased. As a result, the following two major trends have been observed: (1) increases in Machine-to-Machine (M2M) communications; and (2) increases in the variety and volume of User-Generated Content. In this transportation paradigm, the pervasive use of Information and Communication Technologies will serve as the foundation for mobility intelligence towards an “ubiquitous information-centered mobility environment”. However, many technical and operational questions, as well as social, management and legal challenges present themselves in the transformation to this vision. The book presents a non-technical review of research and initiatives and a discussion of such opportunities and challenges.

Proceedings of Sixth International Congress on Information and Communication Technology Mar 14 2021 This book gathers selected high-quality research papers presented at the Sixth International Congress on Information and Communication Technology, held at Brunel University, London, on February 25-26, 2021. It discusses emerging topics pertaining to information and communication technology (ICT) for managerial applications, e-governance, e-agriculture, e-education and computing technologies, the Internet of Things (IoT) and e-mining. Written by respected experts and researchers working on ICT, the book offers a valuable asset for young researchers involved in advanced studies. The book is presented in four volumes.

Ad Hoc and Sensor Networks Aug 19 2021 This book provides a comprehensive yet easy coverage of ad hoc and sensor networks and fills the gap of existing literature in this growing field. It emphasizes that there is a major interdependence among various layers of the network protocol stack. Contrary to wired or even one-hop cellular networks, the lack of a fixed infrastructure, the inherent mobility, the wireless channel, and the underlying routing mechanism by ad hoc and sensor networks introduce a number of technological challenges that are difficult to address within the boundaries of a single protocol layer. All existing textbooks on the subject often focus on a specific aspect of the technology, and fail to provide critical insights on cross-layer interdependencies. To fully understand these intriguing networks, one need to grasp specific solutions individually, and also the many interdependencies and cross-layer interactions.

Computer and Computing Technologies in Agriculture VI Aug 31 2022 The two-volume set IFIP AICT 392 and 393 constitutes the refereed post-conference proceedings of the 6th IFIP TC 5, SIG 5.1 International Conference on Computer and Computing Technologies in Agriculture, CCTA 2012, held in Zhangjiajie, China, in October 2012. The 108 revised papers presented were carefully selected from numerous submissions. They cover a wide range of interesting theories and applications of information technology in agriculture, including Internet of things and cloud computing; simulation models and decision-support systems for agricultural production; smart sensor, monitoring, and control technology; traceability and e-commerce technology; computer vision, computer graphics, and virtual reality; the application of information and communication technology in agriculture; and universal information service technology and service systems development in rural areas. The 53 papers included in the first volume focus on decision support systems, intelligent systems, and artificial intelligence applications.

Upgrading and Repairing Laptops Oct 28 2019 Provides information on how to upgrade, maintain, and troubleshoot the hardware of laptop computers, discussing the differences among them as well as their various configuration options.

Running Windows on Your Mac Jul 06 2020 Now you no longer have to choose between Mac OS X and Windows! The latest Macs from Apple can run both Mac OS X and Windows, so you're not limited to just one operating system. *Running Windows on your Mac* explains how this simple technology works and walks you through every phase of the process of setting up Windows on your Mac. Are you a Windows user who's buying your first Mac? A Macintosh user who needs to run Windows software? Or just a computer user who wants the best of both worlds? There's something in this book for everyone. You'll find detailed instructions for installing Windows on your Mac in three easy ways; a friendly guide to the Mac for Windows users; and a handy reference to Windows for Mac users. In this book, you'll learn how to Load and configure the two most popular Mac OS X virtualization programs, Parallels Desktop for Mac and VM ware Fusion. Install Windows easily, either in Parallels or Fusion, or with Boot Camp. Keep your Windows installation in top shape, free of viruses and spyware. Run Windows applications alongside Macintosh programs. Add your new Mac to an existing Windows network. Explore the intricacies of a new operating system, whether it's Mac OS X or Windows.

Networking All-in-One For Dummies Nov 29 2019 The ultimate reference guide for network administrators Network administrators now have a single, convenient place to turn for all the information they need. *Networking All-in-One For Dummies*, 4th Edition is like ten books in one, covering such topics as networking basics, network security, setting up TCP/IP and connecting to the Internet, handling mobile devices, and much more. This valuable book covers all the newest updates and trends, including Windows 7 and Windows Server 2008 R2. A single-source reference for network

administrators Includes ten minibooks: Networking Basics; Building a Network; Network Administration and Security; TCP/IP and the Internet; Wireless Networking; Telecom, Convergence, and Mobile Devices; Windows Server 2008 Reference; Using Other Windows Servers; Linux Networking Reference; and Appendices Explores the latest technologies in broadband, storage, and back-up Delves into new trends in networking and includes the latest Windows Server 2008 R2 and Windows 7 updates System administrators will want to keep this practical all-in-one guide within reach.

Enterprise Information Systems VI Apr 26 2022 This book contains the best papers of the Sixth International Conference on Enterprise Information Systems (ICEIS 2004), held in Porto (Portugal) and organized by INSTICC (Institute for Systems and Technologies of Information, Communication and Control) in collaboration with PORTUCALENSE UNIVERSITY, who hosted the event. Following the route started in 1999, ICEIS has become a major point of contact between research scientists, engineers and practitioners on the area of business applications of information systems. This conference has received an increased interest every year, from especially from the international academic community, and it is now one of the world largest conferences in its area. This year, five simultaneous tracks were held, covering different aspects related to enterprise computing, including: "Databases and Information Systems Integration", "Artificial Intelligence and Decision Support Systems", "Information Systems Analysis and Specification", "Software Agents and Internet Computing" and "Human-Computer Interaction". The sections of this book reflect the conference tracks.

CONAT 2016 International Congress of Automotive and Transport Engineering Jun 04 2020 The volume will include selected and reviewed papers from CONAT - International Congress of Automotive and Transport Engineering to be held in Brasov, Romania, in October 2016. Authors are experts from research, industry and universities coming from 14 countries worldwide. The papers are covering the latest developments in automotive vehicles and environment, advanced transport systems and road traffic, heavy and special vehicles, new materials, manufacturing technologies and logistics, accident research and analysis and innovative solutions for automotive vehicles. The conference will be organized by SIAR (Society of Automotive Engineers from Romania) in cooperation with FISITA.

Mission-Oriented Sensor Networks and Systems: Art and Science Dec 31 2019 This book presents a broad range of deep-learning applications related to vision, natural language processing, gene expression, arbitrary object recognition, driverless cars, semantic image segmentation, deep visual residual abstraction, brain-computer interfaces, big data processing, hierarchical deep learning networks as game-playing artefacts using regret matching, and building GPU-accelerated deep learning frameworks. Deep learning, an advanced level of machine learning technique that combines class of learning algorithms with the use of many layers of nonlinear units, has gained considerable attention in recent

times. Unlike other books on the market, this volume addresses the challenges of deep learning implementation, computation time, and the complexity of reasoning and modeling different type of data. As such, it is a valuable and comprehensive resource for engineers, researchers, graduate students and Ph.D. scholars.

Information and Communication Technology for Intelligent Systems Jan 30 2020 The book gathers papers addressing state-of-the-art research in all areas of Information and Communication Technologies and their applications in intelligent computing, cloud storage, data mining and software analysis. It presents the outcomes of the third International Conference on Information and Communication Technology for Intelligent Systems, which was held on April 6–7, 2018, in Ahmedabad, India. Divided into two volumes, the book discusses the fundamentals of various data analytics and algorithms, making it a valuable resource for researchers' future studies.

Declarative Agent Languages and Technologies VI Mar 26 2022 The workshop on Declarative Agent Languages and Technologies (DALT), in its sixth edition this year, is a well-established forum for researchers interested in sharing their experiences in combining declarative and formal approaches with aspects of engineering and technology of agents and multiagent systems. DALT2008 was held as a satellite workshop of AAMAS2008, the 7th International Joint Conference on Autonomous Agents and Multiagent Systems, in - toril, Portugal. Following the success of DALT 2003 in Melbourne (LNAI 2990), DALT 2004 in New York (LNAI 3476), DALT 2005 in Utrecht (LNAI 3904), DALT 2006 in Hakodate (LNAI 4327), and DALT 2007 in Honolulu (LNAI 4897), the workshop again provided a discussion forum to both (a) support the transfer of declarative paradigms and techniques to the broader community of agent researchers and practitioners, and (b) to bring the issue of designing complex agent systems to the attention of researchers working on declarative languages and technologies. The aim of the DALT workshop is to stimulate research on formal and declarative approaches both for developing the foundations of multiagent systems as well as for all phases of engineering multiagent systems, i.e., for specification and modeling, for implementation, and for verification. By providing a forum for the presentation of ideas addressing both of these aspects, DALT encourages the integration of formal and declarative techniques and methods that are based on solid theoretical foundations in the engineering of multiagent systems.

Mobile Computing May 28 2022 "The book covers all basic concepts of mobile computing and communication and also deals with latest concepts like Bluetooth Security and Nokia Handhelds"--Resource description page.

EurAsia-ICT 2002: Information and Communication Technology Jul 26 2019 This book constitutes the refereed proceedings of the First EurAsian Conference on Information and Communication Technology, EurAsia-ICT 2002, held in Shiraz, Iran, in October 2002. The 116 revised full papers presented were carefully reviewed and selected from more than

300 submissions. The papers are organized in topical sections on artificial intelligence, data mining, multimedia, security, neural networks, data and knowledge engineering, XML, mobile communication, computer graphics, digital libraries, natural language processing, Internet and QoS, information society, e-learning, mobile Web information systems, wireless communications, Web-based applications, intelligent agents, real-time systems, software engineering, algorithms, and theoretical computer science.

Proceedings of the 2nd International Conference on Communication, Devices and Computing Dec 11 2020 This book gathers high-quality papers presented at the 2nd International Conference on Communication, Devices & Computing (ICDC 2019), held at Haldia Institute of Technology from March 14–15, 2019. The papers are divided into three main areas: communication technologies, electronics circuits & devices and computing. Written by students and researchers from around the world, they accurately reflect the global status quo.

Computer and Network Technology Jul 18 2021

Proceedings of the Ninth International Symposium on Consumer Electronics 2005 (ISCE 2005), 14-16 June 2005, Macau SAR Oct 09 2020 "IEEE catalogue number: 05TH8790"--T.p. verso.

Industrial Communication Systems Aug 07 2020 The Industrial Electronics Handbook, Second Edition, Industrial Communications Systems combines traditional and newer, more specialized knowledge that helps industrial electronics engineers develop practical solutions for the design and implementation of high-power applications. Embracing the broad technological scope of the field, this collection explores fundamental areas, including analog and digital circuits, electronics, electromagnetic machines, signal processing, and industrial control and communications systems. It also facilitates the use of intelligent systems—such as neural networks, fuzzy systems, and evolutionary methods—in terms of a hierarchical structure that makes factory control and supervision more efficient by addressing the needs of all production components. Enhancing its value, this fully updated collection presents research and global trends as published in the IEEE Transactions on Industrial Electronics Journal, one of the largest and most respected publications in the field. Modern communication systems in factories use many different—and increasingly sophisticated—systems to send and receive information. Industrial Communication Systems spans the full gamut of concepts that engineers require to maintain a well-designed, reliable communications system that can ensure successful operation of any production process. Delving into the subject, this volume covers: Technical principles Application-specific areas Technologies Internet programming Outlook, including trends and expected challenges Other volumes in the set: Fundamentals of Industrial Electronics Power Electronics and Motor Drives Control and Mechatronics Intelligent Systems

Distributed Autonomous Robotic System 6 Jun 28 2022 DARS is now a well-established conference that gathers every two years the main researchers in Distributed Robotics systems. Even if the field is growing, it has been maintained a one-track conference in order to enforce effective exchanges between the main researchers in the field. It now a well-established tradition to publish the main contributions as a book from Springer. There are already 5 books entitled "Distributed Autonomous Robotic Systems" 1 to 5.

Data Modeling for Metrology and Testing in Measurement Science Jun 16 2021 This book provide a comprehensive set of modeling methods for data and uncertainty analysis, taking readers beyond mainstream methods and focusing on techniques with a broad range of real-world applications. The book will be useful as a textbook for graduate students, or as a training manual in the fields of calibration and testing. The work may also serve as a reference for metrologists, mathematicians, statisticians, software engineers, chemists, and other practitioners with a general interest in measurement science.

Principles of Spread-Spectrum Communication Systems Sep 07 2020 Originally adopted in military networks as a means of ensuring secure communication when confronted with the threats of jamming and interception, spread-spectrum systems are now the core of commercial applications such as mobile cellular and satellite communication. This book provides a concise but lucid explanation and derivation of the fundamentals of spread-spectrum communication systems. The level of presentation is suitable for graduate students with a prior graduate-level course in digital communication and for practicing engineers with a solid background in the theory of digital communication. As the title indicates, the author focuses on principles rather than specific current or planned systems. Although the exposition emphasizes theoretical principles, the choice of specific topics is tempered by their practical significance and interest to both researchers and system designers. Throughout the book, learning is facilitated by many new or streamlined derivations of the classical theory. Problems at the end of each chapter are intended to assist readers in consolidating their knowledge and to provide practice in analytical techniques. Principles of Spread-Spectrum Communication Systems is largely self-contained mathematically because of the four appendices, which give detailed derivations of mathematical results used in the main text.

SMART Automatics and Energy Nov 21 2021 This book gathers selected papers presented at the International Conference on SMART Automatics and Energy (SMART-ICAE 2021), held in Far Eastern Federal University, Vladivostok, Russian Federation during 7-8 October 2021. The book will be useful for wide range of specialists in the field of designing innovative solutions and organizational measures that increase the efficiency of the use of industry technologies in their

various manifestations. The issue is also of interest to scientific and engineering personnel engaged in the achievements and farsighted researches in the area of intellectual technology use for solving of real, applied tasks in various areas of industries and policies of nations and systems and for students and undergraduates studying "Power systems engineering and electrotechnics", "Automatized systems", "Managerial systems in power technologies", etc., and postgraduate students in the corresponding branches of study.

RF/Microwave Engineering and Applications in Energy Systems May 04 2020 RF/MICROWAVE ENGINEERING AND APPLICATIONS IN ENERGY SYSTEMS An essential text with a unique focus on RF and microwave engineering theory and its applications In *RF/Microwave Engineering and Applications in Energy Systems*, accomplished researcher Abdullah Eroglu delivers a detailed treatment of key theoretical aspects of radio-frequency and microwave engineering concepts along with parallel presentations of their practical applications. The text includes coverage of recent advances in the subject, including energy harvesting methods, RFID antenna designs, HVAC system controls, and smart grids. The distinguished author provides step-by-step solutions to common engineering problems by way of numerous examples and offers end-of-chapter problems and solutions on each topic. These practical applications of theoretical subjects aid the reader with retention and recall and demonstrate a solid connection between theory and practice. The author also applies common simulation tools in several chapters, illustrating the use and implementation of time domain circuit simulators in conjunction with electromagnetic simulators, as well as Matlab for design, simulation, and implementation at the component and system levels. Readers will also benefit from: A thorough introduction to the foundations of electromagnetics, including line, surface, and volume integrals, vector operation and theorems, and Maxwell's equations Comprehensive explorations of passive and active components in RF and microwave engineering, including resistors, capacitors, inductors, and semiconductor materials and active devices Practical discussions of transmission lines, including transmission line analysis, Smith charts, microstrip lines, and striplines In-depth examinations of network parameters, including impedance parameters, ABCD parameters, h-Hybrid parameters, and network connections Perfect for senior-level undergraduates and graduate students studying RF or Microwave engineering, *RF/Microwave Engineering and Applications in Energy Systems* is also an indispensable resource for professionals whose work touches on radio-frequency and microwave technologies.

World Congress on Medical Physics and Biomedical Engineering, June 7-12, 2015, Toronto, Canada Jan 12 2021 This book presents the proceedings of the IUPESM World Biomedical Engineering and Medical Physics, a tri-annual high-level policy meeting dedicated exclusively to furthering the role of biomedical engineering and medical physics in

medicine. The book offers papers about emerging issues related to the development and sustainability of the role and impact of medical physicists and biomedical engineers in medicine and healthcare. It provides a unique and important forum to secure a coordinated, multileveled global response to the need, demand and importance of creating and supporting strong academic and clinical teams of biomedical engineers and medical physicists for the benefit of human health.

OS X Mountain Lion Bible Apr 02 2020 The complete guide to Mac OS X, fully updated for the newest release! The Mac's solid, powerful operating system and the exploding popularity of iOS devices are fueling a strong increase in market share for Apple. Previous editions of this book have sold more than 75,000 copies, and this new edition is fully updated with all the exciting features of OS X Mountain Lion, including Game Center, Messages, and Notifications. Written by industry expert Galen Gruman, it covers all the basics and then delves deep into professional and higher-end topics, making it the one book you need to succeed with Mac OS X. Mac sales are booming, and those who are just getting started with a Mac need the detailed coverage in this guide Includes tips, tricks, and advanced information for those ready to step up to the next level with their Macs With both basic coverage and more in-depth explorations of professional and advanced features, this book is ideal for both Mac newcomers and veterans who want to master all the functionality of the new system Mac OS X Bible is the comprehensive resource on using the newest version of Mac OS X and taking full advantage of its power.

CWNA Guide to Wireless LANs Apr 14 2021 CWNA GUIDE TO WIRELESS LANS, 3rd Edition provides students with the conceptual knowledge and hands-on skills needed to work with wireless technology in a network administration environment as well as pass the Certified Wireless Network Administrator (CWNA) exam. The text covers fundamental topics, such as planning, designing, installing, securing, and configuring wireless LANs. It also details common wireless LAN uses including maintenance, security, and business applications. The third edition is designed around the latest version of the CWNA exam, as well as the new IEEE 802.11 standard, making CWNA GUIDE TO WIRELESS LANS the practical guide that prepares students for real-world wireless networking. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Mobile and Wireless Internet Dec 23 2021 This edited book brings together in an organized framework, related new and emerging works on algorithms, protocols and applications on wireless networks and the wireless Internet. The chapters are written exclusively for this volume by the leading international researchers and professionals in this field. The material represents the state-of-the-art research and includes several seminal contributions. Featured is a myriad of valuable

discussions of numerous relevant concepts, which examines the various approaches that define emerging mobile and wireless Internet technologies. Included are topics on: -Dynamic Configuration of Mobile Devices; -Security and Privacy of the PTP; -Soft Handoff Support; -Node Centric Hybrid Routing; -Resource Allocation; -Mobile Multicast; -TCP/IP and Wireless Networks; -Multipath Routing Protocols; -Mobility Predication for QoS Provisioning; -Handoff Rerouting Algorithms; -Seamless Mobility and IP Mobility Protocols; -Compaction Algorithms.

Optical and Wireless Technologies Aug 26 2019 This book comprises select proceedings of the 5th International Conference on Optical and Wireless Technologies (OWT 2021). The contents of this book focus on research carried out in optical communication, optoelectronics, optics, wireless communication, wireless networks, sensors, mobile communications, and antenna and wave propagation. The book also explores the combined use of various optical and wireless technologies in next-generation applications and their latest developments in the applications such as photonics, high-speed communication systems and networks, visible light communication, nanophotonics, and wireless and MIMO systems. This book serves as a reference to scientists, academicians, engineers, and policy-makers interested in the field of optical and wireless technologies.

Knowledge-Based Intelligent Information and Engineering Systems Jun 24 2019 The three volume set LNAI 4251, LNAI 4252, and LNAI 4253 constitutes the refereed proceedings of the 10th International Conference on Knowledge-Based Intelligent Information and Engineering Systems, KES 2006, held in Bournemouth, UK, in October 2006. The 480 revised papers presented were carefully reviewed and selected from about 1400 submissions. The papers present a wealth of original research results from the field of intelligent information processing.

Evolving Technologies for Computing, Communication and Smart World Jan 24 2022 This book presents best selected papers presented at the International Conference on Evolving Technologies for Computing, Communication and Smart World (ETCCS 2020) held on 31 January–1 February 2020 at C-DAC, Noida, India. It is co-organized by Southern Federal University, Russia; University of Jan Wy?ykowski (UJW), Polkowice, Poland; and CSI, India. C-DAC, Noida received funding from MietY during the event. The technical services are supported through EasyChair, Turnitin, MailChimp and IAC Education. 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.

Bluetooth Essentials for Programmers Feb 22 2022 This book provides an introduction to Bluetooth programming, with a specific focus on developing real code. The authors discuss the major concepts and techniques involved in Bluetooth

programming, with special emphasis on how they relate to other networking technologies. They provide specific descriptions and examples for creating applications in a number of programming languages and environments including Python, C, Java, GNU/Linux, Windows XP, Symbian Series 60, and Mac OS X. No previous experience with Bluetooth is assumed, and the material is suitable for anyone with some programming background. The authors place special emphasis on the essential concepts and techniques of Bluetooth programming, starting simply and allowing the reader to quickly master the basic concepts before addressing advanced features.

Principles Of Digital Communication System & Computer Network Mar 02 2020 A Comprehensive coverage of Digital communication, Data Communication Protocols and Mobile Computing Covers: " Multiplexing & Multiple accesses" Radio Communications- Terrestrial & Satellite" Error Detection & Correction" ISO/ OSI Protocol Architecture" Wired Internet DNS, RADIUS, Firewalls, VPN" Cellular Mobile Communication" GPS, CTI, Wireless Internet" Multimedia Communication over IP Networks

Internet of Vehicles. Technologies and Services for Smart Cities May 16 2021 This book constitutes the proceedings of the 4th International Conference on Internet of Vehicles, IOV 2017, held in Kanazawa, Japan, in November 2017. The 19 papers presented in this volume were carefully reviewed and selected from 40 submissions. They deal with advances in the state of the art and practice of the IoV architectures, protocols, services and applications, as well as identifying emerging research topics and define the future directions of Internet of Vehicles.

Architecting Dependable Systems VI Nov 02 2022 This volume contains papers based on contributions to two workshops: the Workshop on Architecting Dependable Systems (WADS 2008) and the Third International Workshop on Views On Designing Complex Architectures (VODCA 2008).

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