

Free ebook 802 11 wireless networks the definitive guide enabling mobility with wi fi networks (2023)

802.11 Wireless Networks Building Secure Wireless Networks with 802.11 Guide to Securing Legacy IEEE 802.11 Wireless Networks 802.11 Wireless Networking Resource Guide Fundamental Concepts on Wireless LAN and the IEEE 802. 11 Protocol Implementing 802.11, 802.16, and 802.20 Wireless Networks Designing and Deploying 802.11 Wireless Networks 802.11 (Wi-Fi) Guide to Securing Legacy IEEE 802. 11 Wireless Networks [NIST SP (800-48 Revision 1)] The Basics of 802.11 Wireless LANs Designing and Deploying 802.11n Wireless Networks 802.11 Wireless Networks NIST SP 800-48 Guide to Securing Legacy IEEE 802. 11 Wireless Networks The World Wide Wi-Fi Wi-Fi Handbook Designing and Deploying 802.11 Wireless Networks Designing and Deploying 802.11n Wireless Networks Going Wi-Fi 802.11 Wireless LAN Fundamentals Wireless Networks First-step IEEE 802.11 Handbook Introduction To 802.11 Wireless Lan (wlan), Technology, Market, Operation, And Services Wireless Networks For Dummies Real 802.11 Security Wireless Networking: Know It All Mobile and Wireless Communications Networks Ad-hoc, Mobile, and Wireless Networks 802.11 Demystified Personal Wireless Communications Build Your Own Wireless LAN Wireless Networking Technology Extending IEEE 802. 11b Wireless Local Area Networks to the Metropolitan Area Wireless Networking Deploying Secure 802.11 Wireless Networks with Microsoft Windows Smart Spaces and Next Generation Wired/Wireless Networking Fundamentals of wireless networking Absolute Beginner's Guide to Wi-Fi Wireless Networking 802.11 Security Resource Allocation in Next Generation Wireless Networks Green Heterogeneous Wireless Networks

802.11 Wireless Networks

2005

with transfer speeds up to 11 mbps the 802 11 wireless network standard is set to revolutionize wireless lans
matthew gast s definitive guide to the standard is aimed at administrators architects and security professionals

Building Secure Wireless Networks with 802.11

2003-02-03

provides a step by step approach for planning and implementing a wireless lan based on 802 11 wireless fidelity wi fi technology authors are wi fi security experts who are able to address the firestorm of concerns about security for 802 11b networks offers a clear perspective of interoperability with related wireless standards like 802 11a homerf and bluetooth explains how to achieve the same performance as a wired ethernet connection and deliver flexibility and high speed

Guide to Securing Legacy IEEE 802.11 Wireless Networks

2008-07-31

the purpose of this document is to provide guidance to organizations in securing their legacy ieee 802 11 wireless local area networks wlan that cannot use ieee 802 11i details on securing wlans capable of ieee 802 11i can be found in nist special publication sp 800 97 recommendations for securely using external wlans such as public wireless access points are outside the scope of this document

802.11 Wireless Networking Resource Guide

2002-10

this is not another book about installing a home or hobby wi fi system instead this book shows you how to plan design install and operate wlan systems in businesses institutions and public settings such as libraries and hotels
2023-04-24 **2/19** intermediate structural analysis c k wang

in other words this book is packed with serious information for serious professionals responsible for implementing robust high performance wlangs covering areas as small as a coffee shop or as large as entire communities ron olexa provides a solid foundation in rf wireless theory as it applies to wlangs his detailed thorough coverage of propagation at ghz frequencies helps you understand the mysteries of wlan coverage such as how it can change from season to season due to foliage you ll also learn about antenna radiation patterns and gain so you can design you wlan to have the coverage you need without causing interference to or suffering interference from other wlangs covers the widely used 802 11 family as well as the new 802 16 and 802 20 standards focuses on big commercial network implementations such as in public buildings and businesses author has over 25 years of experience with cellular systems and wireless networks

Fundamental Concepts on Wireless LAN and the IEEE 802. 11 Protocol

2011

designing and deploying 802 11 wireless networks second edition a practical guide to implementing 802 11n and 802 11ac wireless networks for enterprise based applications plan deploy and operate high performance 802 11ac and 802 11n wireless networks the new 802 11ac standard enables wlangs to deliver significantly higher performance network equipment manufacturers have refocused on 802 11ac and 802 11n compliant solutions rapidly moving older versions of 802 11 toward legacy status now there s a complete guide to planning designing installing testing and supporting 802 11ac and 802 11n wireless networks in any environment for virtually any application jim geier offers practical methods tips and recommendations that draw on his decades of experience deploying wireless solutions and shaping wireless standards he carefully introduces 802 11ac s fundamentally different design site survey implementation and network configuration techniques helping you maximize performance and avoid pitfalls geier organizes each phase of wlan deployment into clearly defined steps making the entire planning and deployment process easy to understand and execute he illuminates key concepts and methods through realistic case studies based on current cisco products while offering tips and techniques you can use with any vendor s equipment to build your skills with key tasks you ll find several hands on exercises relying on free or inexpensive tools whether you re deploying an entirely new wireless network or migrating from older equipment this guide contains all the expert knowledge you ll need to succeed jim geier has 30 years of experience planning designing analyzing and implementing communications wireless and mobile systems geier is founder and principal consultant of wireless nets ltd providing wireless analysis and design services to product manufacturers

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intermediate structural analysis c k wang

he is also president ceo and co founder of health grade networks providing wireless network solutions to hospitals airports and manufacturing facilities his books include the first edition of designing and deploying 802.11n wireless networks cisco press as well as implementing 802.11x security solutions and wireless networking handbook geier has been active in the ieee 802.11 working group and wi-fi alliance has chaired the ieee computer society dayton section and various conferences and served as expert witness in patent litigation related to wireless and cellular technologies review key 802.11 concepts applications markets and technologies compare ad hoc mesh and infrastructure w lans and their components consider the impact of radio signal interference security vulnerabilities multipath propagation roaming and battery limitations thoroughly understand today's 802.11 standards in the context of actual network deployment and support plan your deployment scoping staffing schedules budgets risks feasibility analysis and requirements architect access networks and distribut

Implementing 802.11, 802.16, and 802.20 Wireless Networks

2004-08-04

aims to help you break free with the wireless networking capabilities of 802.11 this guide provides hardware advice radio frequency fundamentals performance tips architecture requirements and more it also aims to provide clarity on connectivity issues for laptop computers personal digital assistants pdas and peripherals

Designing and Deploying 802.11 Wireless Networks

2015-04-29

the purpose of this document is to provide guidance to organizations in securing their legacy institute of electrical and electronics engineers ieee 802.11 wireless local area networks wlan that cannot use ieee 802.11i the document provides an overview of legacy ieee 802.11 wlan standards components and architectural models it discusses the basics of wlan security and examines the security capabilities provided by legacy ieee 802.11 standards the document also discusses threats and vulnerabilities involving legacy ieee 802.11 w lans explains common countermeasures and makes recommendations for their use

802.11 (Wi-Fi)

2003

helping to understand the architecture and implementation of wireless local area networks this book delves into the evolution of the various spread spectrum techniques and explains the many forms of signal modulation including frequency amplitude and phase this is a must read for everyone who needs to sharpen their understanding of wireless communications from students to business managers

Guide to Securing Legacy IEEE 802. 11 Wireless Networks [NIST SP (800-48 Revision 1)]

2013-12-20

gain a practical understanding of the underlying concepts of the 802 11n standard and the methodologies for completing a successful wireless network installation practical start to finish guidance for successful deployment of 802 11n wireless lans with the ratification of the 802 11n wireless lan standard thousands of companies are moving rapidly toward implementation however 802 11n is very different from legacy 802 11a 802 11b and 802 11g wireless standards and successful deployment requires new knowledge and techniques in this book leading wireless expert jim geier systematically presents all the information and guidance that network architects engineers administrators and managers need to maximize the performance and business value of new 802 11n networks drawing on extensive experience with real world 802 11n deployments geier guides you through the entire project lifecycle planning design installation testing monitoring and support each phase of wireless lan deployment is organized into clearly defined steps and multiple case studies and hands on exercises show how to apply each technique you ll find practical guidance for deploying in enterprises without existing wireless infrastructure as well as migrating from legacy 802 11a 802 11b or 802 11g networks for convenient reference geier also provides an extensive up to date wireless networking glossary jim geier founded wireless nets ltd and serves as its principal consultant his 25 years of experience include analysis design implementation installation and support of wireless network based solutions for cities enterprises airports manufacturers warehouses hospitals and other facilities worldwide he is author of more than a dozen books including wireless networks first step and deploying voice over wireless lans cisco press and implementing 802 1x security solutions he has been active with

the ieee 802.11 working group developing international wireless lan standards and chaired the ieee international conference on wireless lan implementation understanding 802.11n mac physical layer and related standards designing 802.11n wireless networks for diverse scenarios considering architecture range performance roaming and rf issues migrating from 802.11a 802.11b and 802.11g wireless networks choosing the right tools and equipment and using them effectively planning effectively scoping projects creating work breakdown structures organizing teams schedules and budgets defining requirements and more securing w lans via encryption authentication rogue access point detection rf shielding and policies performing site surveys and identifying optimum access point locations installing and configuring wireless lans planning staging deployment documentation and more systematic testing to improve signal coverage performance and security managing wireless lans help desk support network monitoring maintenance engineering configuration management security tools and more troubleshooting 802.11n networks identifying issues with connectivity performance and more

The Basics of 802.11 Wireless LANs

2005

this unique and practical text introduces the principles of w lans based upon the ieee 802.11 standards demonstrating how to configure equipment in order to implement various network solutions the text is supported by examples and detailed instructions

Designing and Deploying 802.11n Wireless Networks

2010

nist sp 800-48 revision 1 july 2008 printed in color wireless local area networks wlan are groups of wireless networking nodes within a limited geographic area such as an office building or building campus that are capable of radio communication w lans are usually implemented as extensions to existing wired local area networks lan to provide enhanced user mobility and network access the most widely implemented wlan technologies are based on the ieee 802.11 standard and its amendments this document discusses the security of legacy ieee 802.11 technologies those that are not capable of using the ieee 802.11i security standard why buy a book you can download for free first you gotta find it and make sure it's the latest version not always easy then you gotta print it using a network printer you share with 100 other people and it's outta paper and the toner is low take out the toner

cartridge shake it then put it back if it s just 10 pages no problem but if it s a 250 page book you will need to punch 3 holes in all those pages and put it in a 3 ring binder takes at least an hour an engineer that s paid 75 an hour has to do this himself who has assistant s anymore if you are paid more than 10 an hour and use an ink jet printer buying this book will save you money it s much more cost effective to just order the latest version from amazon com this book is published by 4th watch books and includes copyright material we publish compact tightly bound full size books 8 by 11 inches with glossy covers 4th watch books is a service disabled veteran owned small business sdvosb and is not affiliated with the national institute of standards and technology for more titles published by 4th watch books please visit cybah webplus net a full copy of all the pertinent cybersecurity standards is available on dvd rom in the cybersecurity standards library disc which is available at amazon com nist sp 500 299 nist cloud computing security reference architecture nist sp 500 291 nist cloud computing standards roadmap version 2 nist sp 500 293 us government cloud computing technology roadmap volume 3 draft nist sp 1800 8 securing wireless infusion pumps nistir 7497 security architecture design process for health information exchanges hies nist sp 800 66 implementing the health insurance portability and accountability act hipaa security rule nist sp 1800 1 securing electronic health records on mobile devices nist sp 800 177 trustworthy email nist sp 800 184 guide for cybersecurity event recovery nist sp 800 190 application container security guide nist sp 800 193 platform firmware resiliency guidelines nist sp 1800 1 securing electronic health records on mobile devices nist sp 1800 2 identity and access management for electric utilities nist sp 1800 5 it asset management financial services nist sp 1800 6 domain name systems based electronic mail security nist sp 1800 7 situational awareness for electric utilities nist sp 500 288 specification for ws biometric devices ws bd nist sp 500 304 data format for the interchange of fingerprint facial other biometric information nist sp 800 32 public key technology and the federal pki infrastructure nist sp 800 63 3 digital identity guidelines nist sp 800 63a digital identity guidelines enrollment and identity proofing nist sp 800 63b digital identity guidelines authentication and lifecycle management nist sp 800 63c digital identity guidelines

802.11 Wireless Networks

2010-06-25

your success guide to the next wireless revolution the next watershed innovation in wireless technology is here ieee 802 11 wireless local area networks lans recent studies from idc indicate that the wi fi wireless lan market will likely account for ninety percent of projected lan equipment revenues by 2005 a trend that promises to spill over into home wireless networks yet this amazing growth has also created confusion which version of 802 11 is best for

vendors and end users what about solutions such as the a g and a b combinations of the 802.11 standards in world wide wi fi technological trends and business strategies teik kheong tk tan and benny bing provide a clear accessible road map of the wi fi wireless lan market unlike most books on wireless local area networks wlans this must have resource explains both the business and technology of wlans and offers ready to use tactics and strategies for thriving in this lucrative field along the way you ll also gain insight into the emerging wi fi standards world wide wi fi presents key technological issues related to the design and deployment of wi fi wireless lans an insider s look at market dynamics market segmentation service provider enterprise and chipset strategies the interrelationship between the 802.11a b and g standards and much more supported by real statistics and case studies plus profiles of suppliers regulators and other market players this one of a kind guide helps you create effective market penetration strategies and evaluate vendor specific features ultimately world wide wi fi defines the 802.11 market its rapid expansion its challenges and its future most of all it s your invitation to profit from everything that this red hot industry has to offer

NIST SP 800-48 Guide to Securing Legacy IEEE 802.11 Wireless Networks

2008-07-31

written for network engineers by highly experienced wireless and ethernet experts this title is one of the first to provide the know how for enterprise implementations

The World Wide Wi-Fi

2004-04-05

this is cisco s comprehensive practical guide to planning designing installing testing and supporting both 802.11ac and 802.11n wireless networks for enterprise based applications fully updated for the new 802.11ac standard this second edition delivers expert hands on guidance for mastering 802.11ac s fundamentally different design site survey implementation and network configuration techniques this guide presents multiple examples using cisco wireless products while offering methodologies and tips that are applicable with any vendor s equipment the authors offer in depth coverage of building new wireless networks and migrating existing wireless networks 802.11a b g n to 802.11ac

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Wi-Fi Handbook

2003

make informed decisions about planning and installing 802.11 wi-fi wireless networks this book helps you tackle the challenge whether installing wi-fi within an existing corporate network or setting up a wireless network from scratch in any business

Designing and Deploying 802.11 Wireless Networks

2015

master the basics in designing building and managing a cisco aironet wlan master the basics of wireless lans with this concise design and deployment guide

Designing and Deploying 802.11n Wireless Networks

2010

assuming no previous experience of the subject this user friendly step by step guide will enable readers to gain an understanding of wireless networking basics

Going Wi-Fi

2017-06-29

this book explains the functional parts of a wireless lan system and their basic operation you will learn how w lans can use access points to connect to each other or how they can directly connect between two computers explained is the basic operation of wlan systems and how the performance may vary based on a variety of controllable and uncontrollable events this book will explain the key differences between the wlan system versions such as frequency and data rates along with which versions are compatible with each other tips are included on how to install a wlan system along with common problems you may encounter and solutions you may use included is an

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overview of ethernet technology and how it applies to 802.11 wireless lan the fundamentals of frequency hopping and spread spectrum technology that are used in 802.11 systems will help you to understand how 802.11 systems can co exist with devices that use the same ism frequency band covered are the differences between 802.11 802.11a 802.11b and 802.11g you will learn how 802.11 systems can use independent dcf ad hoc and or controlled pcf non contention based operation the different types of antennas that are commonly used in wlan systems are explained and you will discover the typical range for wlan systems and how to extend the range of wlan systems through the use of directional antennas discussed are the basic steps for equipment configuration and options you may want to consider to maintain system security brief overviews of 802.16 uwb and the use of proprietary protocols to enhance the capabilities of 802.11 are included some of the most important topics featured include the functional parts of wireless lan systems basic wlan operation how to directly connect wlan devices key wlan industry market numbers comparison of different wlan system versions how to install wlan system wlan equipment configuration options wlan technology evolution important security issues

802.11 Wireless LAN Fundamentals

2004

you've probably heard the expression it's time to cut the cord well it may be time to cut the cables at your office and free yourself from your desk and computer wireless networks are the waves of the future literally wireless networks for dummies guides you from design through implementation to ongoing protection of your system and your information so you can remain connected to the office in airports and hotels access the internet and other network resources in the lunchroom conference room or anywhere there's an access point use your pda or laptop to query your database from the warehouse or the boardroom check e-mail wirelessly when you're on the road get rid of the cable clutter in your office wireless networks for dummies was coauthored by barry d lewis cissp and peter t davis who also coauthored computer security for dummies barry lewis is president of an information security consulting firm and an internationally known leader of security seminars peter davis is founder of a firm specializing in the security audit and control of information together they cut through the cables clutter and confusion and help you get off to a quick start and get mobile with irda infrared data association and bluetooth perform a site survey and select the right standard mode access point channel and antenna check online to verify degree of interoperability of devices from various vendors install clients and set up roaming combat security threats such as war driving jamming hijacking and man in the middle attacks implement security and controls such as mac media access control and protocol filtering wep wireless equivalent privacy wpa wi-fi protected access eap extensible

authentication protocol and vpn virtual private network set up multiple access points to form a larger wireless network complete with suggestions of places to get connected sites where you can get more information tools you can use to monitor and improve security and more wireless networks for dummies helps you pull the plug and go wireless

Wireless Networks First-step

2005

this book describes new approaches to wireless security enabled by the recent development of new core technologies for wi fi 802.11 it shows how the new approaches work and how they should be applied for maximum effect for system administrators product designers or advanced home users

IEEE 802.11 Handbook

2002

the newnes know it all series takes the best of what our authors have written to create hard working desk references that will be an engineer's first port of call for key information design techniques and rules of thumb guaranteed not to gather dust on a shelf wireless networking know it all delivers readers from the basics of a wireless system such as antennas and transmitters to current hot topic wireless systems and technologies the backbone to technologies and applications such as mobile untethered internet access internet telephony and high quality multimedia content via the is completely covered in this reference chapter 1 basics of wireless communications chapter 2 basics of wireless local area networks chapter 3 radio transmitters and receivers chapter 4 radio propagation chapter 5 antennas and transmission lines chapter 6 communication protocols and modulation chapter 7 high speed wireless data system types standards based and proprietary solutions chapter 8 propagation modeling and measuring chapter 9 indoor networks chapter 10 security in wireless local area networks chapter 11 voice over wi fi and other wireless technologies chapter 12 mobile ad hoc networks chapter 13 wireless sensor networks chapter 14 reliable wireless networks for industrial applications chapter 15 applications and technologies chapter 16 system planning a comprehensive overview from best selling authors including daniel dobkin ron olexa and alan bensky explains the theory concepts design and implementation of 802.11 802.16 and 802.20 wireless networks the three most popular types includes discussion of indoor networks

signal propagation network security and other topics essential for designing robust secure wireless networks

Introduction To 802.11 Wireless Lan (wlan), Technology, Market, Operation, And Services

2004

this book covers all areas concerning mobility and wireless communications presented papers deal with cellular networks 2g 3g and 4g wireless networks ieee802 11 bluetooth and sensor networks security quality of service and applications accepted papers represent a good selection of research in wireless communications they offer an overview and also sharp visions of industrial and scientific work the proceedings have been selected for coverage in index to scientific technical proceedings istp cdrom version isi proceedings

Wireless Networks For Dummies

2004-10-27

this book constitutes the refereed proceedings of the 11th international conference on ad hoc mobile and wireless networks adhoc now 2012 held in belgrade serbia july 9 11 2012 the 36 revised full papers presented were carefully reviewed and selected from 76 submissions the accepted papers cover a wide spectrum of traditional networking topics ranging from routing to the application layer to localization in various networking environments such as wireless sensor and ad hoc networks and give insights in a variety of application areas

Real 802.11 Security

2004

unlike most other references on the market this next generation resource goes well beyond bluetooth specifications and thoroughly examines different implementation approaches as taught by a master instructor this book discusses bluetooth in detail covering both operational characteristics as well as its use as a wireless communications system it addresses the coexistence of bluetooth with other wireless networks and provides information on the significant security problems that exist when communicating without wires it is based on 2 very

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popular and highly effective courses the author has been teaching for more than a year

Wireless Networking: Know It All

2007-09-14

this book constitutes the refereed proceedings of the ifip tc6 11th international conference on personal wireless communications pwc 2006 the book presents 25 revised full papers and 13 revised short papers carefully reviewed and selected from 100 submissions the papers are organized in topical sections on mobile and wireless networking qos ad hoc security wireless lan cross layer design wireless sensor networks physical layer and mobile and wireless applications

Mobile and Wireless Communications Networks

2003

learn how to plan and install a wireless lan at your home business campus or church using easily accessible off the shelf parts and 12 simple projects to walk readers through some of the hardest steps

Ad-hoc, Mobile, and Wireless Networks

2012-07-04

as the demand for higher bandwidth has lead to the development of increasingly complex wireless technologies an understanding of both wireless networking technologies and radio frequency rf principles is essential for implementing high performance and cost effective wireless networks wireless networking technology clearly explains the latest wireless technologies covering all scales of wireless networking from personal pan through local area lan to metropolitan man building on a comprehensive review of the underlying technologies this practical guide contains how to implementation information including a case study that looks at the specific requirements for a voice over wireless lan application this invaluable resource will give engineers and managers all the necessary knowledge to design implement and operate high performance wireless networks explore in detail wireless networking technologies and understand the concepts behind rf propagation gain the knowledge and

skills required to install use and troubleshoot wireless networks learn how to address the problems involved in implementing a wireless network including the impact of signal propagation on operating range equipment inter operability problems and many more maximise the efficiency and security of your wireless network

802.11 Demystified

2002

the ieee 802 11b wireless local area networking wlan protocol does not specify a maximum permissible range limitation rather the protocol permits network data rates to vary based on the instantaneous link conditions present this thesis analyzes the impact of distance on perceived network link quality for ieee 802 11b wlan systems an experimental ieee 802 11b wireless network testbed is developed and deployed within a metropolitan area 1 40 kilometers for the quantitative analysis of link quality for various realistic types of network traffic additionally the functional limitations of individual system components are identified for consideration in the planning of future experiments

Personal Wireless Communications

2006-09-30

wireless networks are seemingly ubiquitous today carrying everything from text to video to telephony to sensor data the amount of information needed to successfully plan install and maintain a wireless network is staggering involving basic rf wireless concepts networking theory signal propagation modeling and testing methods modulation techniques and security considerations this thorough tutorial and comprehensive reference draws upon the works of noted wireless networking professionals to give you coverage no book by a single author can possibly match some of the key topics you ll find in this book include fundamentals of wireless networks similarities and differences between indoor and outdoor wireless networks adding voice over internet protocol voip telephony capability to wireless networks propagation modeling for wireless networks real world methods for planning and implementing effective wireless networks backc over

Build Your Own Wireless LAN

2002-05

get in depth technical guidance for deploying a security enhanced wireless network for your corporate public or small business network direct from the microsoft windows networking and communications team this essential reference details the latest ieee 802 11 and related technologies for public and private wireless lans including the new wi fi protected access wpa standard you ll learn how to design and deploy an authentication infrastructure including how to configure clients internet authentication service ias servers active directory directory service users and groups certificate services wireless access points and other components using best practices and real world troubleshooting tactics from the extensive wireless lan deployment at microsoft get the technical drill down you need to configure wireless client support for windows xp windows server 2003 and windows 2000 build the authentication infrastructure including ias radius servers and proxies active directory users and groups and a public key infrastructure pki determine the placement of wireless access points configure a windows pki to issue certificates for authentication of wireless access use the eap tls or peap ms chap v2 authentication protocol to help maximize security for a wireless intranet design wireless intranets for business partners cross forest authentication or large scale deployment help mitigate network attacks by using the new temporal key integrity protocol tkip and michael features of wpa troubleshoot windows wireless clients wireless access points and the authentication infrastructure to learn about the changes in wireless standards and wireless support in windows that have occurred since the publication of this book download updates to deploying secure 802 11 wireless networks with microsoft windows a white paper by author joseph davies

Wireless Networking Technology

2011-02-23

this book constitutes the refereed proceedings of the 11th international conference on next generation teletraffic and wired wireless advanced networking new2an 2011 and the 4th conference on smart spaces rusmart 2011 jointly held in st petersburg russia in august 2011 the 56 revised full papers presented were carefully reviewed and selected from numerous submissions the rusmart papers are organized in topical sections on role of context in smart spaces smart spaces platforms and smart m3 methods for studying smart spaces and smart spaces solutions the new2an papers are organized in topical sections on wireless phy and power control ad hoc networks wsn

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special topics simulation fundamental analysis i traffic modeling and measurement simulation fundamental analysis ii network performance and qos cooperative p2p overlay networks and content applications and services api and software and video

Extending IEEE 802. 11b Wireless Local Area Networks to the Metropolitan Area

2001-12-01

provides information on wireless networking covering such topics as 802 11 standards hotspots and setting up a wireless network

Wireless Networking

2008

focusing on wireless lans in general and 802 11 based networks in particular potter verisign and fleck secure software outline strategies and implementations for deploying a secure wireless network they explain how the 802 11 protocols work and how an attacker will attempt to exploit weak spots within a network and suggest methods for locking down a wireless client machine and securely configuring a wireless access point annotation 2004 book news inc portland or booknews com

Deploying Secure 802.11 Wireless Networks with Microsoft Windows

2004

next generation wireless and mobile communication systems are rapidly evolving to satisfy the demands of various network users due to the great success and enormous impact of ip networks high speed transmission is now possible for both indoor and outdoor wireless systems internet access and web browsing have become the ruling paradigm for next generation system it is envisioned that new generation wireless networks and hand held terminals will support a wide variety of multimedia services such as multimedia web browsing video and news on demand mobile office system stock market information and so on to mobile users anywhere anytime in an

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uninterrupted and seamless way with low powered handsets the characteristics of wireless links as well as the desire to maintain connectivity while on the move offer significant challenges to provisioning quality of service and the related performance is of central interest since the resources such as time frequency and code in the wireless segments of such networks are very limited over dimensioning the network resource is equivalent to poor capital investment while congestion at busy hours could mean lost calls and lost revenues it is therefore critical for wireless network designers to utilise these resources efficiently and effectively in response to the above demand for next generation wireless and mobile communication systems this book aims at providing a timely and concise reference of the current activities and findings in the relevant technical fields the primary goal is to address the key technical issues pertaining to the integrated new systems and present novel technical contributions the book contains 14 invited chapters from prominent researchers working in this area around the world

Smart Spaces and Next Generation Wired/Wireless Networking

2011-07-28

this book focuses on the emerging research topic green energy efficient wireless networks which has drawn huge attention recently from both academia and industry this topic is highly motivated due to important environmental financial and quality of experience qoe considerations specifically the high energy consumption of the wireless networks manifests in approximately 2 of all co2 emissions worldwide this book presents the authors visions and solutions for deployment of energy efficient green heterogeneous wireless communication networks the book consists of three major parts the first part provides an introduction to the green networks concept the second part targets the green multi homing resource allocation problem and the third chapter presents a novel deployment of device to device d2d communications and its successful integration in heterogeneous networks hetnets the book is novel in that it specifically targets green networking in a heterogeneous wireless medium which represents the current and future wireless communication medium faced by the existing and next generation communication networks the book focuses on multi homing resource allocation exploiting network cooperation and integrating different and new network technologies radio frequency and vlc expanding the network coverage and integrating new device centric communication paradigms such as d2d communications whilst the book discusses a significant research topic supported with advanced mathematical analysis the resulting algorithms and solutions are explained and summarized in a way that is easy to follow and grasp this book is suitable for networking and telecommunications engineers researchers in industry and academia as well as students and instructors

Fundamentals of wireless networking

2007

Absolute Beginner's Guide to Wi-Fi Wireless Networking

2004

802.11 Security

2002-12-17

Resource Allocation in Next Generation Wireless Networks

2006

Green Heterogeneous Wireless Networks

2016-08-12

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