Wireless And Mobile Device Security Jones Barlett Learning Information Systems Security Assurance

AAA and Network Security for Mobile Access
Embedded Java Security
Security in Wireless Communication Networks
Security for Multihop Wireless Networks
Security in RFID and Sensor Networks
Mobile Device Security
Mobile Payment Systems
Security of Mobile Communications
The Future of Wireless Networks
Wireless Network Security

Enterprise Cybersecurity
Security in Wireless Mesh Networks
Hackproofing Your Wireless Network
Securing Mobile Devices and Technology
Guide to Bluetooth Security
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Mobile Device Security For Dummies
Physical Layer Security in Wireless Communications
Wireless Network Security
A Comprehensive Guide to 5G Security
Wireless Network Security
Wireless Security Essentials
Research Anthology on Securing Mobile Technologies and Applications

Mobile and Wireless Technologies
Mobile, Wireless, and Sensor Networks
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Wireless and Mobile Network Security
Wireless and Mobile Device Security
Mobile and Wireless Network Security and Privacy
CompTIA Security+: SY0-601 Certification Guide
Mobile Security and Privacy
Wireless Security Architecture

MARKS CHARLES

AAA and Network Security for Mobile Access CRC Press
Security for Multihop Wireless Networks provides broad coverage of the security issues facing multihop wireless networks. Presenting the work of a different group of expert contributors in each chapter, it explores security in mobile ad hoc networks, wireless sensor networks, wireless mesh networks, and personal area networks.Detailing technologies
Embedded Java

Security Elsevier AAA (Authentication, Authorization, Accounting) describes a framework for intelligently controlling access to network resources, enforcing policies, and providing the information necessary to bill for services. AAA and Network Security for Mobile Access is an invaluable guide to the AAA concepts and framework, including its protocols Diameter and Radius. The authors give an overview of established and emerging standards for the provision of secure network access for mobile users while providing the basic design concepts and motivations. AAA and Network Security for Mobile Access: Covers trust, i.e., authentication and security key management for fixed and mobile users, and various approaches to trust establishment. Discusses public key infrastructures and provides practical tips on certificates management. Introduces Diameter, a state-of-the-art AAA protocol designed to meet today's reliability, security and robustness requirements, and examines Diameter-Mobile IP interactions. Explains RADIUS (Remote Authentication Dial-In User Services) and its latest extensions. Details EAP (Extensible Authentication Protocol) in-depth, giving a protocol overview, and covering EAP-XXX authentication methods as well as use of EAP in 802 networks. Describes IP mobility protocols including IP level mobility management, its security

and optimizations, and latest IETF seamless mobility protocols. Includes a chapter describing the details of Mobile IP and AAA interaction, illustrating Diameter Mobile IP applications and the process used in CDMA2000. Contains a section on security and AAA issues to support roaming, discussing a variety of options for operator co-existence, including an overview of Liberty Alliance. This text will provide researchers in academia and industry, network security engineers, managers, developers and planners, as well as graduate students, with an accessible explanation of the standards fundamental to secure mobile access.

Security in Wireless Communication Networks John Wiley & Sons

This book describes the detailed concepts of mobile security. The first two chapters provide a deeper perspective on communication networks, while the rest of the book focuses on different aspects of mobile security, wireless networks, and cellular networks. This book also explores issues of mobiles, IoT (Internet of Things) devices for shopping and password management, and threats related to these devices. A few chapters are fully dedicated to the cellular technology wireless network. The management of password for the mobile with the modern technologies that helps on how to create and manage passwords

more effectively is also described in full detail. This book also covers aspects of wireless networks and their security mechanisms. The details of the routers and the most commonly used Wi-Fi routers are provided with some step-by-step procedures to configure and secure them more efficiently. This book will offer great benefits to the students of graduate and undergraduate classes, researchers, and also practitioners.

Security for Multihop Wireless Networks CRC Press

Enterprise Cybersecurity empowers organizations of all sizes to defend themselves with next-generation cybersecurity programs against the escalating threat of modern targeted cyberattacks. This book presents a comprehensive framework for managing all aspects of an enterprise cybersecurity program. It enables an enterprise to architect, design, implement, and operate a coherent cybersecurity program that is seamlessly coordinated with policy, programmatics, IT life cycle, and assessment. Fail-safe cyberdefense is a pipe dream. Given sufficient time, an intelligent attacker can eventually defeat defensive measures protecting an enterprise's computer systems and IT networks. To prevail, an enterprise cybersecurity program must manage risk by detecting attacks early enough and delaying them long enough that the defenders have time to respond effectively.

Enterprise Cybersecurity shows players at all levels of responsibility how to unify their organization's people, budgets, technologies, and processes into a cost-efficient cybersecurity program capable of countering advanced cyberattacks and containing damage in the event of a breach. The authors of Enterprise Cybersecurity explain at both strategic and tactical levels how to accomplish the mission of leading, designing, deploying, operating, managing, and supporting cybersecurity capabilities in an enterprise environment. The authors are recognized experts and thought leaders in this rapidly evolving field, drawing on decades of collective experience in cybersecurity and IT. In capacities ranging from executive strategist to systems architect to cybercombatant, Scott E. Donaldson, Stanley G. Siegel, Chris K. Williams, and Abdul Aslam have fought on the front lines of cybersecurity against advanced persistent threats to government, military, and business entities.

Security in RFID and Sensor Networks John Wiley & Sons

The first comprehensive guide to the design and implementation of security in 5G wireless networks and devices Security models for 3G and 4G networks based on Universal SIM cards worked very well. But they are not fully applicable to the unique security requirements of 5G networks. 5G will face additional challenges due

to increased user privacy concerns, new trust and service models and requirements to support IoT and mission-critical applications. While multiple books already exist on 5G, this is the first to focus exclusively on security for the emerging 5G ecosystem. 5G networks are not only expected to be faster, but provide a backbone for many new services, such as IoT and the Industrial Internet. Those services will provide connectivity for everything from autonomous cars and UAVs to remote health monitoring through body-attached sensors, smart logistics through item tracking to remote diagnostics and preventive maintenance of equipment. Most services will be integrated with Cloud computing and novel concepts, such as mobile edge computing, which will require smooth and transparent communications between user devices, data centers and operator networks. Featuring contributions from an international team of experts at the forefront of 5G system design and security, this book: Provides priceless insights into the current and future threats to mobile networks and mechanisms to protect it Covers critical lifecycle functions and stages of 5G security and how to build an effective security architecture for 5G based mobile networks Addresses mobile network security based on network-centricity, device-centricity, information-centricity and people-centricity views Explores security

considerations for all relative stakeholders of mobile networks, including mobile network operators, mobile network virtual operators, mobile users, wireless users, Internet-of things, and cybersecurity experts Providing a comprehensive guide to state-of-the-art in 5G security theory and practice, A Comprehensive Guide to 5G Security is an important working resource for researchers, engineers and business professionals working on 5G development and deployment.

Mobile Device Security

John Wiley & Sons

Learn IT security essentials and prepare for the Security+ exam with this CompTIA exam guide, complete with additional online resources—including flashcards, PBQs, and mock exams—at securityplus.training Key Features Written by Ian Neil, one of the world's top CompTIA Security+ trainers Test your knowledge of cybersecurity jargon and acronyms with realistic exam questions Learn about cryptography, encryption, and security policies to deliver a robust infrastructure Book DescriptionThe CompTIA Security+ certification validates the fundamental knowledge required to perform core security functions and pursue a career in IT security. Authored by Ian Neil, a world-class CompTIA certification trainer, this book is a best-in-class study guide that fully covers the CompTIA Security+ 601 exam

objectives. Complete with chapter review questions, realistic mock exams, and worked solutions, this guide will help you master the core concepts to pass the exam the first time you take it. With the help of relevant examples, you'll learn fundamental security concepts from certificates and encryption to identity and access management (IAM). As you progress, you'll delve into the important domains of the exam, including cloud security, threats, attacks and vulnerabilities, technologies and tools, architecture and design, risk management, cryptography, and public key infrastructure (PKI). You can access extra practice materials, including flashcards, performance-based questions, practical labs, mock exams, key terms glossary, and exam tips on the author's website at securityplus.training. By the end of this Security+ book, you'll have gained the knowledge and understanding to take the CompTIA exam with confidence.What you will learn Master cybersecurity fundamentals, from the CIA triad through to IAM Explore cloud security and techniques used in penetration testing Use different authentication methods and troubleshoot security issues Secure the devices and applications used by your company Identify and protect against various types of malware and viruses Protect yourself against social engineering and advanced attacks Understand and implement PKI concepts

Delve into secure application development, deployment, and automation Who this book is for If you want to take and pass the CompTIA Security+ SY0-601 exam, even if you are not from an IT background, this book is for you. You'll also find this guide useful if you want to become a qualified security professional. This CompTIA book is also ideal for US Government and US Department of Defense personnel seeking cybersecurity certification.

Mobile Payment Systems Packt Publishing Ltd Mobile technologies have become a staple in society for their accessibility and diverse range of applications that are continually growing and advancing. Users are increasingly using these devices for activities beyond simple communication including gaming and e-commerce and to access confidential information including banking accounts and medical records. While mobile devices are being so widely used and accepted in daily life, and subsequently housing more and more personal data, it is evident that the security of these devices is paramount. As mobile applications now create easy access to personal information, they can incorporate location tracking services, and data collection can happen discreetly behind the scenes. Hence, there needs to be more security and privacy measures enacted to ensure that mobile technologies can be used safely. Advancements in trust

and privacy, defensive strategies, and steps for securing the device are important foci as mobile technologies are highly popular and rapidly developing. The Research Anthology on Securing Mobile Technologies and Applications discusses the strategies, methods, and technologies being employed for security amongst mobile devices and applications. This comprehensive book explores the security support that needs to be required on mobile devices to avoid application damage, hacking, security breaches and attacks, or unauthorized accesses to personal data. The chapters cover the latest technologies that are being used such as cryptography, verification systems, security policies and contracts, and general network security procedures along with a look into cybercrime and forensics. This book is essential for software engineers, app developers, computer scientists, security and IT professionals, practitioners, stakeholders, researchers, academicians, and students interested in how mobile technologies and applications are implementing security protocols and tactics amongst devices.

Security of Mobile Communications Jones & Bartlett Publishers

In the past several years, there has been an increasing trend in the use of Radio Frequency Identification (RFID) and Wireless Sensor Networks (WSNs) as well as in the integration of both

systems due to their complementary nature, flexible combination, and the demand for ubiquitous computing. As always, adequate security remains one of the open are

The Future of Wireless Networks John Wiley & Sons

This book gathers and analyzes the latest attacks, solutions, and trends in mobile networks. Its broad scope covers attacks and solutions related to mobile networks, mobile phone security, and wireless security. It examines the previous and emerging attacks and solutions in the mobile networking worlds, as well as other pertinent security issues. The many attack samples present the severity of this problem, while the delivered methodologies and countermeasures show how to build a truly secure mobile computing environment.

Wireless Network Security DIANE Publishing

As the use of wireless devices becomes widespread, so does the need for strong and secure transport protocols. Even with this intensified need for securing systems, using cryptography does not seem to be a viable solution due to difficulties in implementation. The security layers of many wireless protocols use outdated encryption algorithms, which have proven unsuitable for hardware usage, particularly with handheld devices. Summarizing key issues involved in achieving desirable performance in security implementations, Wireless

Security and Cryptography: Specifications and Implementations focuses on alternative integration approaches for wireless communication security. It gives an overview of the current security layer of wireless protocols and presents the performance characteristics of implementations in both software and hardware. This resource also presents efficient and novel methods to execute security schemes in wireless protocols with high performance. It provides the state of the art research trends in implementations of wireless protocol security for current and future wireless communications. Unique in its coverage of specification and implementation concerns that include hardware design techniques, Wireless Security and Cryptography: Specifications and Implementations provides thorough coverage of wireless network security and recent research directions in the field. *Enterprise Cybersecurity* John Wiley & Sons Wireless mesh networks (WMN) encompass a new area of technology set to play an important role in the next generation wireless mobile networks. WMN is characterized by dynamic self-organization, self-configuration, and self-healing to enable flexible integration, quick deployment, easy maintenance, low costs, high scalability, and reliable services. Security in Wireless Mesh Networks Springer Physical Layer Security in Wireless Communications

supplies a systematic overview of the basic concepts, recent advancements, and open issues in providing communication security at the physical layer. It introduces the key concepts, design issues, and solutions to physical layer security in single-user and multi-user communication systems, as well as large-scale wireless networks. Presenting high-level discussions along with specific examples, and illustrations, this is an ideal reference for anyone that needs to obtain a macro-level understanding of physical layer security and its role in future wireless communication systems.

Hackproofing Your Wireless Network

Syngress

This document provides info. to organizations on the security capabilities of Bluetooth and provide recommendations to organizations employing Bluetooth technologies on securing them effectively. It discusses Bluetooth technologies and security capabilities in technical detail. This document assumes that the readers have at least some operating system, wireless networking, and security knowledge. Because of the constantly changing nature of the wireless security industry and the threats and vulnerabilities to the technologies, readers are strongly encouraged to take advantage of other resources (including those listed in this document) for more current and detailed information. Illustrations.

Securing Mobile Devices

and Technology CRC Press
Wireless Network Security Theories and Applications discusses the relevant security technologies, vulnerabilities, and potential threats, and introduces the corresponding security standards and protocols, as well as provides solutions to security concerns. Authors of each chapter in this book, mostly top researchers in relevant research fields in the U.S. and China, presented their research findings and results about the security of the following types of wireless networks: Wireless Cellular Networks, Wireless Local Area Networks (WLANs), Wireless Metropolitan Area Networks (WMANs), Bluetooth Networks and Communications, Vehicular Ad Hoc Networks (VANETs), Wireless Sensor Networks (WSNs), Wireless Mesh Networks (WMNs), and Radio Frequency Identification (RFID). The audience of this book may include professors, researchers, graduate students, and professionals in the areas of Wireless Networks, Network Security and Information Security, Information Privacy and Assurance, as well as Digital Forensics. Lei Chen is an Assistant Professor at Sam Houston State University, USA; Jiahuang Ji is an Associate Professor at Sam Houston State University, USA; Zihong Zhang is a Sr. software engineer at Jacobs Technology, USA under NASA contract.
Guide to Bluetooth Security CRC Press

Factor mobile devices into the IT equation and learn to work securely in this smart new world. Learn how to lock down those mobile devices so that doing business on the go doesn't do you in.

Wireless Network Security A Beginner's Guide John Wiley & Sons

The exponential increase in mobile device users and high-bandwidth applications has pushed the current 3G and 4G wireless networks to their capacity. Moreover, it is predicted that mobile data traffic will continue to grow by over 300 percent by 2017. To handle this spectacular growth, the development of improved wireless networks for the future ha

Wireless and Mobile Device Security + Cloud Labs CRC Press

The purpose of designing this book is to discuss and analyze security protocols available for communication. Objective is to discuss protocols across all layers of TCP/IP stack and also to discuss protocols independent to the stack. Authors will be aiming to identify the best set of security protocols for the similar applications and will also be identifying the drawbacks of existing protocols. The authors will be also suggesting new protocols if any.

Mobile Malware Attacks and Defense Springer Science & Business Media

If you are a security professional, pentester, or anyone interested in getting to grips with wireless penetration testing, this is the book for you. Some familiarity with Kali Linux and wireless concepts is

beneficial.

Mobile Devices Springer Written by an industry expert, Wireless and Mobile Device Security explores the evolution of wired networks to wireless networking and its impact on the corporate world. *Wireless Security and Cryptography* CRC Press As each generation of portable electronic devices and storage media becomes smaller, higher in capacity, and easier to transport, it's becoming increasingly difficult to protect the data on these devices while still enabling their productive use in the workplace. Explaining how mobile devices can create backdoor security threats, Mobile Device Security: A Comprehensive Guide to Securing Your Information in a Moving World specifies immediate actions you can take to defend against these threats. It begins by introducing and defining the concepts essential to understanding the security threats to contemporary mobile devices, and then takes readers through all the policy, process, and technology decisions that must be made to create an effective security strategy. Highlighting the risks inherent when mobilizing data, the text supplies a proven methodology for identifying, analyzing, and evaluating these risks. It examines the various methods used to store and transport mobile data and illustrates how the security of that data changes as it moves from place to place. Addressing the technical, operational, and compliance issues

relevant to a comprehensive mobile security policy, the text: Provides methods for modeling the interaction between mobile data and mobile devices—detailing the advantages and disadvantages of each Explains how to use encryption and access controls to protect your data Describes how to layer different technologies to create a resilient mobile data protection program Provides examples of effective mobile security policies and discusses the implications of different policy approaches Highlights the essential elements of a mobile security business case and provides examples of the information such proposals should contain Reviews the most common mobile device controls and discusses the options for implementing them in your mobile environment Securing your mobile data requires the proper balance between security, user acceptance, technology capabilities, and resource commitment. Supplying real-life examples and authoritative guidance, this complete resource walks you through the process of creating an effective mobile security program and provides the understanding required to develop a customized approach to securing your information.

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