Wireless Security Essentials Defending Mobile Systems From Data Piracy

Books In Print 2004-2005
The British National Bibliography
Wireless Network Security A Beginner's Guide
Smart Grid
Understanding the Internet
End-to-End Network Security
Managing Information Security
Encyclopedia of Internet Technologies and Applications
Cyber Security Essentials
Wireless Security Essentials
WarDriving: Drive, Detect, Defend
American Book Publishing Record
Cyber Warfare and Cyber Terrorism
Mobile Commerce and Wireless Computing Systems
Computer and Information Security Handbook
Cybersecurity: The Beginner's Guide
Information Security and Ethics
Advanced Wired and Wireless Networks
Microsoft Windows Security Essentials
Dedicated Mobile Communications for High-speed Railway
Handbook of RF and Wireless Technologies
Penetration Testing Essentials
Information Security and Ethics: Concepts, Methodologies, Tools, and Applications
Current Law Index
Fundamentals of Information Systems Security
Big Data and Edge Intelligence for Enhanced Cyber Defense
Wireless Internet and Mobile Computing
Forthcoming Books
Networking Essentials Companion Guide v3
Handbook of Communications Security
Defend I.T.
Security and Privacy Issues in Sensor Networks and IoT
Cybersecurity Essentials
Computer and Network Security Essentials
Python Networking Essentials
InfoSecurity 2008 Threat Analysis
The Database Hacker's Handbook Defending Database
Computational Science — ICCS 2003

BRYANT CASSIUS

Books In Print 2004-2005 Springer
The sophisticated methods used in recent high-profile cyber incidents have driven many to need to understand how such security issues work. Demystifying the complexity often associated with information assurance, Cyber Security Essentials provides a clear understanding of the concepts behind prevalent threats, tactics, and procedures.To accomplish
The British National Bibliography John Wiley & Sons
Provides the most thorough examination of Internet technologies and applications for researchers in a variety of related fields. For the average Internet consumer, as well as for experts in the field of networking and Internet technologies.
Wireless Network Security A Beginner's Guide Packt Publishing Ltd
An unfortunate outcome of the growth of the Internet and mobile technologies has been the challenge of countering cybercrime. This book introduces and explains the latest trends and techniques of edge artificial intelligence (EdgeAI) intended to help cyber security experts design robust cyber defense systems (CDS), including host-based and network-based intrusion detection system and digital forensic intelligence. This book discusses the direct confluence of EdgeAI with big data, as well as demonstrating detailed reviews of recent cyber threats and their countermeasure. It provides computational intelligence techniques and automated reasoning models capable of fast training and timely data processing of cyber security big data, in addition to other basic information related to network security. In addition, it provides a brief overview of modern cyber security threats and outlines the advantages of using EdgeAI to counter these threats, as well as exploring various cyber defense mechanisms (CDM) based on detection type and approaches. Specific challenging areas pertaining to cyber defense through EdgeAI, such as improving digital forensic intelligence, proactive and adaptive defense of network infrastructure, and bio-inspired CDM, are also discussed. This book is intended as a reference for academics and students in the field of network and cybersecurity, particularly on the topics of intrusion detection systems, smart grid, EdgeAI, and bio-inspired cyber defense principles. The front-line EdgeAI techniques discussed will also be of use to cybersecurity engineers in their work enhancing cyber defense systems.
Smart Grid John Wiley & Sons
This book introduces readers to the tools needed to protect IT resources and communicate with security specialists when there is a security problem. The book covers a wide range of security topics including Cryptographic Technologies, Network Security, Security Management, Information Assurance, Security Applications, Computer Security, Hardware Security, and Biometrics and Forensics. It introduces the concepts, techniques, methods, approaches, and trends needed by security specialists to improve their security skills and capabilities. Further, it provides a glimpse into future directions where security techniques, policies, applications, and theories are headed. The book represents a collection of carefully selected and reviewed chapters written by diverse security experts in the listed fields and edited by prominent security researchers. Complementary slides are available for download on the book’s website at Springer.com.
Understanding the Internet Addison Wesley Longman
Smart Grid: Networking, Data Management, and Business Models delivers a comprehensive overview of smart grid communications, discussing the latest advances in the technology, the related cyber security issues, and the best ways to manage user demand and pricing. Comprised of 16 chapters authored by world-renowned experts, this book: Considers the use of cognitive radio and software-defined networking in the smart grid Explores the space of attacks in the energy management process, the need for a smart grid simulator, and the management issues that arise around smart cities Describes a real-time pricing scheme that aims to reduce the peak-to-average load ratio Explains how to realize low-carbon economies and the green smart grid through the pervasive management of demand Presents cutting-edge research on microgrids, electric vehicles, and energy trading in the smart grid Thus, Smart Grid: Networking, Data Management, and Business Models provides a valuable reference for utility operators, telecom operators, communications engineers, power engineers, electric vehicle original equipment manufacturers (OEMs), electric vehicle service providers, university professors, researchers, and students.
End-to-End Network Security IGI Global
An accessible introduction to cybersecurity concepts and practices Cybersecurity Essentials provides a comprehensive introduction to the field, with expert coverage of essential topics required for entry-level cybersecurity certifications. An effective defense consists of four distinct challenges: securing the infrastructure, securing devices, securing local networks, and securing the perimeter. Overcoming these challenges requires a detailed understanding of the concepts and practices within each realm. This book covers each challenge individually for greater depth of information, with real-world scenarios that show what vulnerabilities look like in everyday computing scenarios. Each part concludes with a summary of key concepts, review questions, and hands-on exercises, allowing you to test your understanding while exercising your new critical skills. Cybersecurity jobs range from basic configuration to advanced systems analysis and defense assessment. This book provides the foundational information you need to understand the basics of the field, identify your place within it, and start down the security certification path. Learn security and surveillance fundamentals Secure and protect remote access and devices Understand network topologies, protocols, and strategies Identify threats and mount an effective defense Cybersecurity Essentials gives you the building blocks for an entry level security certification and provides a foundation of cybersecurity knowledge
Managing Information Security McGraw Hill Professional
Security Smarts for the Self-Guided IT Professional Protect wireless networks against all real-world hacks by learning how hackers operate. Wireless Network Security: A Beginner's Guide discusses the many attack vectors that target wireless networks and clients--and explains how to identify and prevent them.

Actual cases of attacks against WEP, WPA, and wireless clients and their defenses are included. This practical resource reveals how intruders exploit vulnerabilities and gain access to wireless networks. You'll learn how to securely deploy WPA2 wireless networks, including WPA2-Enterprise using digital certificates for authentication. The book provides techniques for dealing with wireless guest access and rogue access points. Next-generation wireless networking technologies, such as lightweight access points and cloud-based wireless solutions, are also discussed. Templates, checklists, and examples give you the hands-on help you need to get started right away. Wireless Network Security: A Beginner's Guide features: Lingo--Common security terms defined so that you’re in the know on the job IMHO--Frank and relevant opinions based on the author's years of industry experience In Actual Practice--Exceptions to the rules of security explained in real-world contexts Your Plan--Customizable checklists you can use on the job now Into Action--Tips on how, why, and when to apply new skills and techniques at work This is an excellent introduction to wireless security and their security implications. The technologies and tools are clearly presented with copious illustrations and the level of presentation will accommodate the wireless security neophyte while not boring a mid-level expert to tears. If the reader invests the time and resources in building a lab to follow along with the text, s/he will develop a solid, basic understanding of what "wireless security" is and how it can be implemented in practice. This is definitely a recommended read for its intended audience. - Richard Austin, IEEE CIPHER, IEEE Computer Society's TC on Security and Privacy (E109, July 23, 2012)

Encyclopedia of Internet Technologies and Applications John Wiley & Sons

This book addresses the fundamental theory and key technologies of narrowband and broadband mobile communication systems specifically for railways. It describes novel relaying schemes that meet the different design criteria for railways and discusses the applications of signal classification techniques as well as offline resource scheduling as a way of advancing rail practice. Further, it introduces Novel Long Term Evolution for Railway (LTE-R) network architecture, the Quality of Service (QoS) requirement of LTE-R and its performance evaluation and discusses in detail security technologies for rail-dedicated mobile communication systems. The advanced research findings presented in the book are all based on high-speed railway measurement data, which offer insights into the propagation mechanisms and corresponding modeling theory and approaches in unique railway scenarios.It is a valuable resource for researchers, engineers and graduate students in the fields of rail traffic systems, telecommunication and information systems.

Cyber Security Essentials Jones & Bartlett Learning

Computer and Information Security Handbook, Third Edition, provides the most current and complete reference on computer security available in one volume. The book offers deep coverage of an extremely wide range of issues in computer and cybersecurity theory, applications, and best practices, offering the latest insights into established and emerging technologies and advancements. With new parts devoted to such current topics as Cloud Security, Cyber-Physical Security, and Critical Infrastructure Security, the book now has 100 chapters written by leading experts in their fields, as well as 12 updated appendices and an expanded glossary. It continues its successful format of offering problem-solving techniques that use real-life case studies, checklists, hands-on exercises, question and answers, and summaries. Chapters new to this edition include such timely topics as Cyber Warfare, Endpoint Security, Ethical Hacking, Internet of Things Security, Nanoscale Networking and Communications Security, Social Engineering, System Forensics, Wireless Sensor Network Security, Verifying User and Host Identity, Detecting System Intrusions, Insider Threats, Security Certification and Standards Implementation, Metadata Forensics, Hard Drive Imaging, Context-Aware Multi-Factor Authentication, Cloud Security, Protecting Virtual Infrastructure, Penetration Testing, and much more. Online chapters can also be found on the book companion website: https://www.elsevier.com/books-and-journals/book-companion/9780128038437 - Written by leaders in the field - Comprehensive and up-to-date coverage of the latest security technologies, issues, and best practices - Presents methods for analysis, along with problem-solving techniques for implementing practical solutions

Wireless Security Essentials Elsevier Inc. Chapters

As wireless device usage increases worldwide, so does the potential for malicious code attacks. In this timely book, a leading national authority on wireless security describes security risks inherent in current wireless technologies and standards, and schools readers in proven security measures they can take to minimize the chance of attacks to their systems. * Russell Dean Vines is the coauthor of the bestselling security certification title, The CISSP Prep Guide (0-471-41356-9) * Book focuses on identifying and minimizing vulnerabilities by implementing proven security methodologies, and provides readers with a solid working knowledge of wireless technology and Internet-connected mobile devices

WarDriving: Drive, Detect, Defend CRC Press

Fundamentals of Information Systems Security, Fourth Edition provides a comprehensive overview of the essential concepts readers must know as they pursue careers in information systems security.

American Book Publishing Record CRC Press

Expert contributors drawn from the ranks of academia and industry have authored chapters in such areas as third-generation wireless, wireless sensor networks, RF power amplifiers, spread spectrum modulation, signal propagation, antennas, and other key subjects that engineers working in RF and wireless need to be familiar with. This is far more than just a tutorial or reference guide—it is a "guided tour" through the world of cutting-edge RF and wireless design, combining theory, applications, and philosophies behind the RF/wireless design process. The multiple and sometimes overlapping chapters reiterate and emphasize the fundamentals in the context of different types of wireless applications.Here are just a few benefits that readers will gain from reading this book:*A refresher and update of wireless principles and techniques.*Information about the latest (and forthcoming) RF and wireless circuits, products and systems.*Guidelines, approaches, and techniques to RF/wireless design.*Examples of typical applications with an emphasis on real-world situations including existing and forthcoming new components and integrated circuits.*Coverage of new and emerging wireless topics heretofore not widely covered in print (e.g. UWB, RFID, IR, etc.)* A comprehensive survey of current RF and wireless engineering practice * Heavy emphasis on practical applications and design guidelines* Multiple contributors assure a wide range of perspectives and avoids individual bias

Cyber Warfare and Cyber Terrorism Springer Science &

Business Media
The practice of WarDriving is a unique combination of hobby, sociological research, and security assessment. The act of driving or walking through urban areas with a wireless-equipped laptop to map both protected and un-protected wireless networks has sparked intense debate amongst lawmakers, security professionals, and the telecommunications industry. This first ever book on WarDriving is written from the inside perspective of those who have created the tools that make WarDriving possible and those who gather, analyze, and maintain data on all secured and open wireless access points in very major, metropolitan area worldwide. These insiders also provide the information to secure your wireless network before it is exploited by criminal hackers.* Provides the essential information needed to protect and secure wireless networks* Written from the inside perspective of those who have created the tools for WarDriving and those who gather, maintain and analyse data on wireless networks* This is the first book to deal with the hot topic of WarDriving
Mobile Commerce and Wireless Computing Systems R. R. Bowker
"This book reviews problems, issues, and presentations of the newest research in the field of cyberwarfare and cyberterrorism. While enormous efficiencies have been gained as a result of computers and telecommunications technologies, use of these systems and networks translates into a major concentration of information resources, createing a vulnerability to a host of attacks and exploitations"--Provided by publisher.
Computer and Information Security Handbook IGI Global
"Python Networking Essentials: Building Secure and Fast Networks" serves as a comprehensive guide for aspiring network programmers and professionals alike, aiming to illuminate the dynamic landscape of modern networking through the power of Python. The book meticulously covers foundational concepts, equipping readers with the skills necessary to navigate and master network programming. From understanding core networking protocols and socket programming to building HTTP-based applications, each chapter is dedicated to a specific aspect of the networking domain, providing practical knowledge paired with Python's versatile capabilities. Delving deeper into advanced topics, this text explores essential security measures and performance optimization techniques, teaching readers how to build robust and efficient network systems. The book extends into emerging areas such as cloud, wireless, and mobile networking, offering insights into the latest trends and future directions. Throughout this journey, Python's rich ecosystem of libraries and tools is leveraged to simplify and enhance network programming tasks. "Python Networking Essentials" stands as an invaluable resource for those committed to developing secure, high-performance networks in an ever-evolving technological world.
Cybersecurity: The Beginner's Guide IGI Global
"This compilation serves as the ultimate source on all theories and models associated with information privacy and safeguard practices to help anchor and guide the development of technologies, standards, and best practices to meet these challenges."--Provided by publisher.
Information Security and Ethics John Wiley & Sons
As technology continues to expand and develop, the internet of things (IoT) is playing a progressive role in the infrastructure of electronics. The increasing amount of IoT devices, however, has led to the emergence of significant privacy and security challenges. Security and Privacy Issues in Sensor Networks and IoT is a collection of innovative research on the methods and applications of protection disputes in the internet of things and other computing structures. While highlighting topics that include cyber defense, digital forensics, and intrusion detection, this book is ideally designed for security analysts, IT specialists, software developers, computer engineers, industry professionals, academicians, students, and researchers seeking current research on defense concerns in cyber physical systems.
Advanced Wired and Wireless Networks John Wiley & Sons
As innovators continue to explore and create new developments within the fields of artificial intelligence and computer science, subfields such as machine learning and the internet of things (IoT) have emerged. Now, the internet of everything (IoE), foreseen as a cohesive and intelligent connection of people, processes, data, and things, is theorized to make internet connections more valuable by converting information into wise actions that create unprecedented capabilities, richer experiences, and economic opportunities to all players in the market. Harnessing the Internet of Everything (IoE) for Accelerated Innovation Opportunities discusses the theoretical, design, evaluation, implementation, and use of innovative technologies within the fields of IoE, machine learning, and IoT. Featuring research on topics such as low-power electronics, mobile technology, and artificial intelligence, this book is ideally designed for computer engineers, software developers, investigators, advanced-level students, professors, and professionals seeking coverage on the various contemporary theories, technologies, and tools in IoE engineering.
Microsoft Windows Security Essentials Springer
Windows security concepts and technologies for IT beginners IT security can be a complex topic, especially for those new to the field of IT. This full-color book, with a focus on the Microsoft Technology Associate (MTA) program, offers a clear and easy-to-understand approach to Windows security risks and attacks for newcomers to the world of IT. By paring down to just the essentials, beginners gain a solid foundation of security concepts upon which more advanced topics and technologies can be built. This straightforward guide begins each chapter by laying out a list of topics to be discussed, followed by a concise discussion of the core networking skills you need to have to gain a strong handle on the subject matter. Chapters conclude with review questions and suggested labs so you can measure your level of understanding of the chapter's content. Serves as an ideal resource for gaining a solid understanding of fundamental security concepts and skills Offers a straightforward and direct approach to security basics and covers anti-malware software products, firewalls, network topologies and devices, network ports, and more Reviews all the topics you need to know for taking the MTA 98-367 exam Provides an overview of security components, looks at securing access with permissions, addresses audit policies and network auditing, and examines protecting clients and servers If you're new to IT and interested in entering the IT workforce, then Microsoft Windows Security Essentials is essential reading.
Dedicated Mobile Communications for High-speed Railway IGI Global
Understand the nitty-gritty of Cybersecurity with ease Key FeaturesAlign your security knowledge with industry leading concepts and toolsAcquire required skills and certifications to survive the ever changing market needsLearn from industry experts to analyse, implement, and maintain a robust environmentBook Description It's not a secret that there is a huge talent gap in the cybersecurity industry. Everyone is talking about it including the prestigious Forbes Magazine, Tech Republic, CSO

Online, DarkReading, and SC Magazine, among many others. Additionally, Fortune CEO's like Satya Nadella, McAfee's CEO Chris Young, Cisco's CIO Colin Seward along with organizations like ISSA, research firms like Gartner too shine light on it from time to time. This book put together all the possible information with regards to cybersecurity, why you should choose it, the need for cyber security and how can you be part of it and fill the cybersecurity talent gap bit by bit. Starting with the essential understanding of security and its needs, we will move to security domain changes and how artificial intelligence and machine learning are helping to secure systems. Later, this book will walk you through all the skills and tools that everyone who wants to work as security personal need to be aware of. Then, this book will teach readers how to think like an attacker and explore some advanced security methodologies. Lastly, this book will deep dive into how to build practice labs, explore real-world use cases and get acquainted with various cybersecurity certifications. By the end of this book, readers will be well-versed with the security domain and will be capable of making the right choices in the cybersecurity field. What you will learnGet an overview of what cybersecurity is and learn about the various faces of cybersecurity as well as identify domain that suits you bestPlan your transition into cybersecurity in an efficient and effective wayLearn how to build upon your existing skills and experience in order to prepare for your career in cybersecurityWho this book is for This book is targeted to any IT professional who is looking to venture in to the world cyber attacks and threats. Anyone with some understanding or IT infrastructure workflow will benefit from this book. Cybersecurity experts interested in enhancing their skill set will also find this book useful.