

Computer Forensics Cybercriminals Laws And Evidence

Digital Forensics: Threatscape and Best Practices surveys the problems and challenges confronting digital forensic professionals today, including massive data sets and everchanging technology. This book provides a coherent overview of the threatscape in a broad range of topics, providing practitioners and students alike with a comprehensive, coherent overview of the threat landscape and what can be done to manage and prepare for it. Digital Forensics: Threatscape and Best Practices delivers you with incisive analysis and best practices from a panel of expert authors, led by John Sammons, bestselling author of The Basics of Digital Forensics. Learn the basics of cryptocurrencies (like Bitcoin) and the artifacts they generate Learn why examination planning matters and how to do it effectively Discover how to incorporate behavioral analysis into your digital forensics examinations Stay updated with the key artifacts created by the latest Mac OS, OS X 10.11, El Capitan Discusses the threatscapes and challenges facing mobile device forensics, law enforcement, and legal cases The power of applying the electronic discovery workflows to digital forensics Discover the value of and impact

of social media forensics

Placing the Suspect Behind the Keyboard is the definitive book on conducting a complete investigation of a cybercrime using digital forensics techniques as well as physical investigative procedures. This book merges a digital analysis examiner's work with the work of a case investigator in order to build a solid case to identify and prosecute cybercriminals. Brett Shavers links traditional investigative techniques with high tech crime analysis in a manner that not only determines elements of crimes, but also places the suspect at the keyboard. This book is a first in combining investigative strategies of digital forensics analysis processes alongside physical investigative techniques in which the reader will gain a holistic approach to their current and future cybercrime investigations. Learn the tools and investigative principles of both physical and digital cybercrime investigations—and how they fit together to build a solid and complete case Master the techniques of conducting a holistic investigation that combines both digital and physical evidence to track down the "suspect behind the keyboard" The only book to combine physical and digital investigative techniques Cyber Crime and Cyber Terrorism Investigator's Handbook is a vital tool in the arsenal of today's computer programmers, students, and

investigators. As computer networks become ubiquitous throughout the world, cyber crime, cyber terrorism, and cyber war have become some of the most concerning topics in today's security landscape. News stories about Stuxnet and PRISM have brought these activities into the public eye, and serve to show just how effective, controversial, and worrying these tactics can become. Cyber Crime and Cyber Terrorism Investigator's Handbook describes and analyzes many of the motivations, tools, and tactics behind cyber attacks and the defenses against them. With this book, you will learn about the technological and logistic framework of cyber crime, as well as the social and legal backgrounds of its prosecution and investigation. Whether you are a law enforcement professional, an IT specialist, a researcher, or a student, you will find valuable insight into the world of cyber crime and cyber warfare. Edited by experts in computer security, cyber investigations, and counter-terrorism, and with contributions from computer researchers, legal experts, and law enforcement professionals, Cyber Crime and Cyber Terrorism Investigator's Handbook will serve as your best reference to the modern world of cyber crime. Written by experts in cyber crime, digital investigations, and counter-terrorism Learn the motivations, tools, and tactics used by cyber-attackers, computer security

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professionals, and investigators Keep up to date on current national and international law regarding cyber crime and cyber terrorism See just how significant cyber crime has become, and how important cyber law enforcement is in the modern world

The federal computer fraud and abuse statute, 18 U.S.C. 1030, outlaws conduct that victimizes computer systems. It is a cyber security law which protects federal computers, bank computers, and computers connected to the Internet. It shields them from trespassing, threats, damage, espionage, and from being corruptly used as instruments of fraud. It is not a comprehensive provision, but instead it fills cracks and gaps in the protection afforded by other federal criminal laws. This report provides a brief sketch of Section 1030 and some of its federal statutory companions, including the amendments found in the Identity Theft Enforcement and Restitution Act, P.L. 110-326. Extensive appendices. This is a print on demand publication.

*Searching and Seizing Computers and Obtaining Electronic Evidence in Criminal Investigations
Fifth International Conference, ICDF2C 2013,
Moscow, Russia, September 26-27, 2013, Revised
Selected Papers*

*Cyber Crime and Cyber Terrorism Investigator's
Handbook*

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Placing the Suspect Behind the Keyboard

Digital Forensics and Cyber Crime

Computer Forensics and Cyber Crime

Provides a key textbook on the nature of international and transnational crimes and the delivery of justice for crime control and prevention.

An Introduction to Crime Scene

Investigation, Fourth Edition is a comprehensive and accurate overview of the practical application of forensic science in crime scene investigation.

The Digital Age offers many far-reaching opportunities - opportunities that allow for fast global

communications, efficient business transactions and stealthily executed cyber crimes. Featuring contributions from digital forensic experts, the editor of Forensic Computer Crime

Investigation presents a vital resource that outlines the latest strategi

Explaining cybercrime in a highly networked world, this book provides a comprehensive yet accessible summary of the history, modern developments, and efforts to combat cybercrime in various forms at all levels of

government-international, national,

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state, and local. • Provides accessible, comprehensive coverage of a complex topic that encompasses identity theft to copyright infringement written for non-technical readers • Pays due attention to important elements of cybercrime that have been largely ignored in the field, especially politics • Supplies examinations of both the domestic and international efforts to combat cybercrime • Serves an ideal text for first-year undergraduate students in criminal justice programs

Introduction to Cybercrime: Computer Crimes, Laws, and Policing in the 21st Century

A Comprehensive Resource for Everyone Security, Privacy, and Digital Forensics in the Cloud

Transnational Security
Digital Forensics

The Best Damn Cybercrime and Digital Forensics Book Period

In a unique and systematic way, this book discusses the security and privacy aspects of the cloud, and the relevant cloud forensics. Cloud computing is an emerging yet revolutionary technology that has been changing the way people live and work. However, with the continuous growth of cloud computing and related services, security and privacy

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has become a critical issue. Written by some of the top experts in the field, this book specifically discusses security and privacy of the cloud, as well as the digital forensics of cloud data, applications, and services. The first half of the book enables readers to have a comprehensive understanding and background of cloud security, which will help them through the digital investigation guidance and recommendations found in the second half of the book. Part One of Security, Privacy and Digital Forensics in the Cloud covers cloud infrastructure security; confidentiality of data; access control in cloud IaaS; cloud security and privacy management; hacking and countermeasures; risk management and disaster recovery; auditing and compliance; and security as a service (SaaS). Part Two addresses cloud forensics – model, challenges, and approaches; cyberterrorism in the cloud; digital forensic process and model in the cloud; data acquisition; digital evidence management, presentation, and court preparation; analysis of digital evidence; and forensics as a service (FaaS). Thoroughly covers both security and privacy of cloud and digital forensics Contributions by top researchers from the U.S., the European and other countries, and professionals active in the field of information and network security, digital and computer forensics, and cloud and big data Of interest to those focused upon security and implementation, and incident management Logical, well-structured, and organized to facilitate comprehension Security, Privacy and Digital Forensics in the Cloud is an ideal book for advanced undergraduate and master's-level students in information systems, information technology, computer and network forensics, as well as computer science. It can also serve as a good reference book for security professionals, digital forensics practitioners and cloud service providers.

Essay from the year 2015 in the subject Computer Science -

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Miscellaneous, UNITEC New Zealand, language: English, abstract: Nowadays the use of computers is increasing more and more. This has allowed the development of the internet. In turn, the Internet has brought many benefits, but the internet has also contributed to the rise of cyber-crime. So, with the rise of cybercrime, it has become critical to increase and develop computer systems security. Each time, the techniques used by cybercriminals are more sophisticated, making it more difficult to protect corporate networks. Because of this, the computer security of these companies has been violated, and it is here at this point when digital analysis forensic is needed to discover cybercriminals. So, with the rise of cybercrime, digital forensics is increasingly gaining importance in the area of information technology. For this reason, when a crime is done, the crime information is stored digitally. Therefore, it must use appropriate mechanisms for the collection, preservation, protection, analysis and presentation of digital evidence stored in electronic devices. It is here that the need arises for digital forensics. In this report, I am going to explain what digital forensics is. Also, I will describe some forensic software and hardware and the importance of suitable forensic labs. So, let ' s start.

Research on cybercrime has been largely bifurcated, with social science and computer science researchers working with different research agendas. These fields have produced parallel scholarship to understand cybercrime offending and victimization, as well as techniques to harden systems from compromise and understand the tools used by cybercriminals. The literature developed from these two fields is diverse and informative, but until now there has been minimal interdisciplinary scholarship combining their insights in order to create a more informed and robust body of knowledge. This book offers an interdisciplinary approach to

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research on cybercrime and lays out frameworks for collaboration between the fields. Bringing together international experts, this book explores a range of issues from malicious software and hacking to victimization and fraud. This work also provides direction for policy changes to both cybersecurity and criminal justice practice based on the enhanced understanding of cybercrime that can be derived from integrated research from both the technical and social sciences. The authors demonstrate the breadth of contemporary scholarship as well as identifying key questions that could be addressed in the future or unique methods that could benefit the wider research community. This edited collection will be key reading for academics, researchers, and practitioners in both computer security and law enforcement. This book is also a comprehensive resource for postgraduate and advanced undergraduate students undertaking courses in social and technical studies.

This is the first book to present a full, socio-technical-legal picture on the security practices of cyber criminals, based on confidential police sources related to some of the world's most serious and organized criminals.

An Excerpt from Placing The Suspect Behind The Keyboard
The Bytes that Bite

Cybercrime and Digital Deviance

Cybercrime and Digital Forensics

Cybercrime Case Presentation

Threatscape and Best Practices

This book constitutes the thoroughly refereed post-conference proceedings of the 5th International ICST Conference on Digital Forensics and Cyber Crime, ICDF2C 2013, held in September 2013 in Moscow, Russia. The 16 revised full

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papers presented together with 2 extended abstracts and 1 poster paper were carefully reviewed and selected from 38 submissions. The papers cover diverse topics in the field of digital forensics and cybercrime, ranging from regulation of social networks to file carving, as well as technical issues, information warfare, cyber terrorism, critical infrastructure protection, standards, certification, accreditation, automation and digital forensics in the cloud.

This collection is innovative and original. It introduces new knowledge and is very timely because of the current high profile of the international public discourse over security, the internet and its impact upon the growth of the information economy. The book will be very useful to a wide range of readers because it will both inform and provide the basis for instruction. This book significantly advances the scholarly literature available on the global problem of cyber-crime. It also makes a unique contribution to the literature in this area. Much of what has been

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written focuses on cyber-crime in the United States and in Europe. This much-needed volume focuses on how cyber-crime is being dealt with in Asian countries. It explains how law enforcement is responding to the complex issues cyber-crime raises and analyzes the difficult policy issues this new type of transnational crime generates. This book is an invaluable addition to the library of anyone who is concerned about online crime, computer security or the emerging culture of the Internet.

Is the internet really powerful enough to allow a sixteen year old to become the biggest threat to world peace since Adolf Hitler? Are we all now susceptible to cyber-criminals who can steal from us without even having to leave the comfort of their own armchairs? These are fears which have been articulated since the popular development of the internet, yet criminologists have been slow to respond to them. Consequently, questions about what cybercrimes are, what their impacts will be and how we respond to them remain largely

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unanswered. Organised into three sections, this book engages with the various criminological debates that are emerging over cybercrime. The first section looks at the general problem of crime and the internet. It then describes what is understood by the term 'cybercrime' by identifying some of the challenges for criminology. The second section explores the different types of cybercrime and their attendant problems. The final section contemplates some of the challenges that cybercrimes give rise to for the criminal justice system.

The emergence of the World Wide Web, smartphones, and Computer-Mediated Communications (CMCs) profoundly affect the way in which people interact online and offline. Individuals who engage in socially unacceptable or outright criminal acts increasingly utilize technology to connect with one another in ways that are not otherwise possible in the real world due to shame, social stigma, or risk of detection. As a consequence, there are now myriad opportunities for wrongdoing and abuse through technology. This book offers a

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comprehensive and integrative introduction to cybercrime. It is the first to connect the disparate literature on the various types of cybercrime, the investigation and detection of cybercrime and the role of digital information, and the wider role of technology as a facilitator for social relationships between deviants and criminals. It includes coverage of: key theoretical and methodological perspectives, computer hacking and digital piracy, economic crime and online fraud, pornography and online sex crime, cyber-bullying and cyber-stalking, cyber-terrorism and extremism, digital forensic investigation and its legal context, cybercrime policy. This book includes lively and engaging features, such as discussion questions, boxed examples of unique events and key figures in offending, quotes from interviews with active offenders and a full glossary of terms. It is supplemented by a companion website that includes further students exercises and instructor resources. This text is essential reading for courses on cybercrime,

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*cyber-deviancy, digital forensics,
cybercrime investigation and the
sociology of technology.*

*Concepts, Methodologies, Tools, and
Applications*

*Best Practices for Seizing Electronic
Evidence*

*An Introduction to Crime Scene
Investigation*

*System Forensics, Investigation, and
Response*

Cybercrime Investigations

Cybercriminals, Laws, and Evidence

Effective security rules and procedures do not exist for their own sake-they are put in place to protect critical assets, thereby supporting overall business objectives. Recognizing security as a business enabler is the first step in building a successful program. Information Security Fundamentals allows future security professionals to gain a solid understanding of the foundations of the field and the entire range of issues that practitioners must address. This book enables students to understand the key elements that comprise a successful information security program and

eventually apply these concepts to their own efforts. The book examines the elements of computer security, employee roles and responsibilities, and common threats. It examines the need for management controls, policies and procedures, and risk analysis, and also presents a comprehensive list of tasks and objectives that make up a typical information protection program. The volume discusses organizationwide policies and their documentation, and legal and business requirements. It explains policy format, focusing on global, topic-specific, and application-specific policies. Following a review of asset classification, the book explores access control, the components of physical security, and the foundations and processes of risk analysis and risk management. Information Security Fundamentals concludes by describing business continuity planning, including preventive controls, recovery strategies, and ways to conduct a business impact analysis. Computer forensics plays a very important role in cybercrime

investigation, footprint tracking, and criminal activity prosecution. This eBook focuses on making you comfortable with the basic concepts of Cyber Forensics. The eBook "Understanding of Computer Forensics" we will help you understand why cyber forensics is important, when we need to practice cyber forensic techniques and how to perform various tasks to complete the cyber forensic investigation process. Since the syllabus of computer forensics is a little diversified, we have divided our eBooks into different modules and hence you will find well-organized content on Computer Forensics. The term computer forensics refers to the methodological techniques, steps, and procedures that help an investigator, and Law Enforcement Agencies identify, gather, preserve, extract the artifacts from the computer, computer media, and related technology to analyze them and then use them in the legal, juridical matters or proceedings. The rapid increase of cybercrimes has led to the development of various laws and standards that define cybercrimes,

digital evidence, search and seizure methodology, evidence recovery, and the investigation process. Huge financial losses caused by computer crimes have made it necessary for organizations to employ a computer forensic agency or hire a computer forensics expert to protect the organization from computer incidents or solve cases involving the use of computers and related technologies. In this book, we will understand all the basic terminologies of computer forensics and understand various phases of a cyber forensics investigation Process.

Cybercrime and Information Technology: Theory and Practice—The Computer Network Infrastructure and Computer Security, Cybersecurity Laws, Internet of Things (IoT), and Mobile Devices is an introductory text addressing current technology, trends, and security issues. While many books on the market cover investigations, forensic recovery, and presentation of evidence, and others explain computer and network security, this book explores both, explaining the essential principles governing computers, wireless and

mobile devices, the Internet of Things, cloud systems, and their significant vulnerabilities. Only with this knowledge can students truly appreciate the security challenges and opportunities for cybercrime that cannot be uncovered, investigated, and adjudicated unless they are understood. The legal portion of the book is an overview of the legal system in the United States, including cyberlaw standards, and regulations affecting cybercrime. This section includes cases in progress that are shaping and developing legal precedents. As is often the case, new technologies require new statutes and regulations—something the law is often slow to move on given the current speed in which technology advances. Key Features: Provides a strong foundation of cybercrime knowledge along with the core concepts of networking, computer security, Internet of Things (IoTs), and mobile devices. Addresses legal statutes and precedents fundamental to understanding investigative and forensic issues relative to evidence collection and preservation. Identifies

the new security challenges of emerging technologies including mobile devices, cloud computing, Software-as-a-Service (SaaS), VMware, and the Internet of Things. Strengthens student understanding of the fundamentals of computer and network security, concepts that are often glossed over in many textbooks, and includes the study of cybercrime as critical forward-looking cybersecurity challenges. Cybercrime and Information Technology is a welcome addition to the literature, particularly for those professors seeking a more hands-on, forward-looking approach to technology and trends. Coverage is applicable to all forensic science courses in computer science and forensic programs, particularly those housed in criminal justice departments emphasizing digital evidence and investigation processes. The textbook is appropriate for courses in the Computer Forensics and Criminal Justice curriculum, and is relevant to those studying Security Administration, Public Administrations, Police Studies, Business Administration, Computer Science, and Information Systems. An

Instructor's Manual with Test Bank and chapter PowerPoint slides is available to qualified professors for use in classroom instruction.

When it comes to computer crimes, the criminals got a big head start. But the law enforcement and IT security communities are now working diligently to develop the knowledge, skills, and tools to successfully investigate and prosecute Cybercrime cases. When the first edition of "Scene of the Cybercrime" published in 2002, it was one of the first books that educated IT security professionals and law enforcement how to fight Cybercrime. Over the past 5 years a great deal has changed in how computer crimes are perpetrated and subsequently investigated. Also, the IT security and law enforcement communities have dramatically improved their ability to deal with Cybercrime, largely as a result of increased spending and training. According to the 2006 Computer Security Institute's and FBI's joint Cybercrime report: 52% of companies reported unauthorized use of computer systems in the prior 12

months. Each of these incidents is a Cybcrime requiring a certain level of investigation and remediation. And in many cases, an investigation is mandated by federal compliance regulations such as Sarbanes-Oxley, HIPAA, or the Payment Card Industry (PCI) Data Security Standard. Scene of the Cybercrime, Second Edition is a completely revised and updated book which covers all of the technological, legal, and regulatory changes, which have occurred since the first edition. The book is written for dual audience; IT security professionals and members of law enforcement. It gives the technical experts a little peek into the law enforcement world, a highly structured environment where the "letter of the law" is paramount and procedures must be followed closely lest an investigation be contaminated and all the evidence collected rendered useless. It also provides law enforcement officers with an idea of some of the technical aspects of how cyber crimes are committed, and how technology can be used to track down and build a case against the criminals

who commit them. Scene of the Cybercrime, Second Editions provides a roadmap that those on both sides of the table can use to navigate the legal and technical landscape to understand, prevent, detect, and successfully prosecute the criminal behavior that is as much a threat to the online community as "traditional" crime is to the neighborhoods in which we live. Also included is an all new chapter on Worldwide Forensics Acts and Laws. * Companion Web site provides custom tools and scripts, which readers can download for conducting digital, forensic investigations. * Special chapters outline how Cybercrime investigations must be reported and investigated by corporate IT staff to meet federal mandates from Sarbanes Oxley, and the Payment Card Industry (PCI) Data Security Standard * Details forensic investigative techniques for the most common operating systems (Windows, Linux and UNIX) as well as cutting edge devices including iPods, Blackberries, and cell phones.

Cybercrime

An Overview of the Federal Computer

**Fraud and Abuse Statute and Related
Federal Criminal Laws
System Forensics, Investigation and
Response
International and Transnational Crime
and Justice
Crime and the Internet
Introduction To Cyber Forensic
Psychology: Understanding The Mind Of
The Cyber Deviant Perpetrators**

Through the rise of big data and the internet of things, terrorist organizations have been freed from geographic and logistical confines and now have more power than ever before to strike the average citizen directly at home. This, coupled with the inherently asymmetrical nature of cyberwarfare, which grants great advantage to the attacker, has created an unprecedented national security risk that both governments and their citizens are woefully ill-prepared to face.

Examining cyber warfare and terrorism through a critical and academic perspective can lead to a better understanding of its foundations and implications. Cyber Warfare and Terrorism: Concepts, Methodologies,

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Tools, and Applications is an essential reference for the latest research on the utilization of online tools by terrorist organizations to communicate with and recruit potential extremists and examines effective countermeasures employed by law enforcement agencies to defend against such threats.

Highlighting a range of topics such as cyber threats, digital intelligence, and counterterrorism, this multi-volume book is ideally designed for law enforcement, government officials, lawmakers, security analysts, IT specialists, software developers, intelligence and security practitioners, students, educators, and researchers.

The leading introduction to computer crime and forensics is now fully updated to reflect today's newest attacks, laws, and investigatory best practices. Packed with new case studies, examples, and statistics, Computer Forensics and Cyber Crime, Third Edition adds up-to-the-minute coverage of smartphones, cloud computing, GPS, Mac OS X, Linux, Stuxnet, cyberbullying, cyberterrorism, search and seizure, online gambling,

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and much more. Covers all forms of modern and traditional computer crime, defines all relevant terms, and explains all technical and legal concepts in plain English, so students can succeed even if they have no technical, legal, or investigatory background.

Electronic discovery refers to a process in which electronic data is sought, located, secured, and searched with the intent of using it as evidence in a legal case. Computer forensics is the application of computer investigation and analysis techniques to perform an investigation to find out exactly what happened on a computer and who was responsible. IDC estimates that the U.S. market for computer forensics will be grow from \$252 million in 2004 to \$630 million by 2009. Business is strong outside the United States, as well. By 2011, the estimated international market will be \$1.8 billion dollars. The Techno Forensics Conference has increased in size by almost 50% in its second year; another example of the rapid growth in the market. This book is the first to

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combine cybercrime and digital forensic topics to provides law enforcement and IT security professionals with the information needed to manage a digital investigation. Everything needed for analyzing forensic data and recovering digital evidence can be found in one place, including instructions for building a digital forensics lab. * Digital investigation and forensics is a growing industry * Corporate I.T. departments investigating corporate espionage and criminal activities are learning as they go and need a comprehensive guide to e-discovery * Appeals to law enforcement agencies with limited budgets

Cybercrime continues to skyrocket but we are not combatting it effectively yet. We need more cybercrime investigators from all backgrounds and working in every sector to conduct effective investigations. This book is a comprehensive resource for everyone who encounters and investigates cybercrime, no matter their title, including those working on behalf of law enforcement, private organizations, regulatory agencies, or individual

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victims. It provides helpful background material about cybercrime's technological and legal underpinnings, plus in-depth detail about the legal and practical aspects of conducting cybercrime investigations. Key features of this book include: Understanding cybercrime, computers, forensics, and cybersecurity Law for the cybercrime investigator, including cybercrime offenses; cyber evidence-gathering; criminal, private and regulatory law, and nation-state implications Cybercrime investigation from three key perspectives: law enforcement, private sector, and regulatory Financial investigation Identification (attribution) of cyber-conduct Apprehension Litigation in the criminal and civil arenas. This far-reaching book is an essential reference for prosecutors and law enforcement officers, agents and analysts; as well as for private sector lawyers, consultants, information security professionals, digital forensic examiners, and more. It also functions as an excellent course book for educators and trainers. We need more

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investigators who know how to fight cybercrime, and this book was written to achieve that goal. Authored by two former cybercrime prosecutors with a diverse array of expertise in criminal justice and the private sector, this book is informative, practical, and readable, with innovative methods and fascinating anecdotes throughout.

Incident Response Essentials

Computer Fraud Casebook

Understanding of Computer Forensics

Practical Cyber Forensics

Digital Forensics Tools and Techniques

Forensic Computer Crime Investigation

Updated to include the most current events and information on cyberterrorism, the second edition of Computer Forensics: Cybercriminals, Laws, and Evidence continues to balance technicality and legal analysis as it enters into the world of cybercrime by exploring what it is, how it is investigated, and the regulatory laws around the collection and use of electronic evidence. Students are introduced to the technology involved in computer forensic investigations and the technical and legal difficulties involved in searching, extracting, maintaining, and storing electronic evidence, while simultaneously looking at the legal implications of such investigations and the rules of legal procedure relevant to electronic evidence. Significant and current computer forensic developments are examined, as well as the implications for a variety of

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fields including computer science, security, criminology, law, public policy, and administration.

Balancing technicality and legal analysis, Computer Forensics: Cybercriminals, Laws and Evidence enters into the world of cybercrime by exploring what it is, how it is investigated, and the regulatory laws around the collection and use of electronic evidence. Students are introduced to the technology involved in computer forensic investigations and the technical and legal difficulties involved in searching, extracting, maintaining and storing electronic evidence, while simultaneously looking at the legal implications of such investigations and the rules of legal procedure relevant to electronic evidence. Significant and current computer forensic developments are examined, as well as the implications for a variety of fields including computer science, security, criminology, law, public policy and administration. Instructor Resources: * Instructor Manual with chapter summaries, lecture outlines with discussion questions, and review questions with solutions, all organized by chapter. * Test Bank * Microsoft PowerPoint slides

This edited book, Introduction to Cyber Forensic Psychology: Understanding the Mind of the Cyber Deviant Perpetrators, is the first of its kind in Singapore, which explores emerging cybercrimes and cyber enabled crimes. Utilising a forensic psychology perspective to examine the mind of the cyber deviant perpetrators as well as strategies for assessment, prevention, and interventions, this book seeks to tap on the valuable experiences and knowledge of leading forensic psychologists and behavioural scientists in Singapore. Some of the interesting trends discussed in this book include digital self-harm, stalkerware usage,

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livestreaming of crimes, online expression of hate and rebellion, attacks via smart devices, COVID-19 related scams and cyber vigilantism. Such insights would enhance our awareness about growing pervasiveness of cyber threats and showcase how behavioural sciences is a force-multiplier in complementing the existing technological solutions.

This one-of-a-kind collection consists of actual cases written by fraud examiners out in the field. These cases were hand selected from hundreds of submissions and together form a comprehensive picture of the many types of computer fraud how they are investigated, across industries and throughout the world. Topics included are email fraud, on-line auction fraud, security breaches, counterfeiting, and others.

Using Digital Forensics and Investigative Techniques to Identify Cybercrime Suspects

The Deviant Security Practices of Cyber Crime

Scene of the Cybercrime

Information Security Fundamentals

Cyber-Crime

The Challenge in Asia

Every computer crime leaves tracks—you just have to know where to find them. This book shows you how to collect and analyze the digital evidence left behind in a digital crime scene. Computers have always been susceptible to unwanted intrusions, but as the sophistication of computer technology increases so does the need to anticipate, and safeguard against, a corresponding rise in computer-related criminal activity. Computer forensics, the newest branch of computer security, focuses on the aftermath of a computer security incident. The goal of computer

forensics is to conduct a structured investigation to determine exactly what happened, who was responsible, and to perform the investigation in such a way that the results are useful in a criminal proceeding. Written by two experts in digital investigation, Computer Forensics provides extensive information on how to handle the computer as evidence. Kruse and Heiser walk the reader through the complete forensics process—from the initial collection of evidence through the final report. Topics include an overview of the forensic relevance of encryption, the examination of digital evidence for clues, and the most effective way to present your evidence and conclusions in court. Unique forensic issues associated with both the Unix and the Windows NT/2000 operating systems are thoroughly covered. This book provides a detailed methodology for collecting, preserving, and effectively using evidence by addressing the three A's of computer forensics: Acquire the evidence without altering or damaging the original data. Authenticate that your recorded evidence is the same as the original seized data. Analyze the data without modifying the recovered data. Computer Forensics is written for everyone who is responsible for investigating digital criminal incidents or who may be interested in the techniques that such investigators use. It is equally helpful to those investigating hacked web servers, and those who are investigating the source of illegal pornography. Cybercrime and Digital Deviance is a work that

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combines insights from sociology, criminology, and computer science to explore cybercrimes such as hacking and romance scams, along with forms of cyberdeviance such as pornography addiction, trolling, and flaming. Other issues are explored including cybercrime investigations, organized cybercrime, the use of algorithms in policing, cybervictimization, and the theories used to explain cybercrime. Graham and Smith make a conceptual distinction between a terrestrial, physical environment and a single digital environment produced through networked computers. Conceptualizing the online space as a distinct environment for social interaction links this text with assumptions made in the fields of urban sociology or rural criminology. Students in sociology and criminology will have a familiar entry point for understanding what may appear to be a technologically complex course of study. The authors organize all forms of cybercrime and cyberdeviance by applying a typology developed by David Wall: cybertrespass, cyberdeception, cyberviolence, and cyberpornography. This typology is simple enough for students just beginning their inquiry into cybercrime. Because it is based on legal categories of trespassing, fraud, violent crimes against persons, and moral transgressions it provides a solid foundation for deeper study. Taken together, Graham and Smith's application of a digital environment and Wall's cybercrime typology makes this an ideal upper level text for students in

sociology and criminal justice. It is also an ideal introductory text for students within the emerging disciplines of cybercrime and cybersecurity. Globalization and the easy movement of people, weapons, and toxins across borders has transformed security into a transnational phenomenon. Preventing transnational security threats has proven to be a very difficult challenge for governments and institutions around the world. Transnational Security addresses these issues, which are at the forefront of every global security professional's agenda. This book analyzes the most pressing current transnational security threats, including weapons of mass destruction, terrorism, organized crime, cybercrime, natural disasters, human-made disasters, infectious diseases, food insecurity, water insecurity, and energy insecurity. It considers the applicable international laws and examines how key international organizations are dealing with these issues. The author uses a combination of theory and real-world examples to illustrate the transnational nature of security risks. By providing a detailed account of the different threats, countermeasures, and their implications for a number of different fields—law, public policy and administration, security, and criminology—this book will be an extremely useful resource for academicians, practitioners, and graduate and upper-level undergraduate students in these areas. Criminal Investigations & Forensic Science Cybercrime Through an Interdisciplinary Lens

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Computer Crimes, Laws, and Policing in the 21st Century

An Introduction

The Computer Network Infrastructure and Computer Security, Cybersecurity Laws, Internet of Things (IoT), and Mobile Devices

Computer Forensics: Cybercriminals, Laws, and Evidence

Cyber Warfare and Terrorism: Concepts, Methodologies, Tools, and Applications

PART OF THE NEW JONES & BARTLETT LEARNING INFORMATION SYSTEMS SECURITY & ASSURANCE SERIES Completely revised and rewritten to keep pace with the fast-paced field of Computer Forensics! Computer crimes call for forensics specialists, people who know how to find and follow the evidence. System Forensics, Investigation, and Response, Second Edition begins by examining the fundamentals of system forensics, such as what forensics is, the role of computer forensics specialists, computer forensic evidence, and application of forensic analysis skills. It also gives an overview of computer crimes, forensic methods, and laboratories. It then addresses the tools, techniques, and methods used to perform computer forensics and investigation. Finally, it explores emerging technologies as well as future directions of this interesting and cutting-edge field. New and Key Features of the Second Edition: Examines the fundamentals of system forensics Discusses computer crimes and forensic methods Written in an accessible and engaging style Incorporates real-world examples and engaging cases Instructor Materials for System Forensics, Investigation, and Response include: PowerPoint Lecture Slides Exam Questions Case Scenarios/ Handouts Instructor's Manual Become an effective cyber forensics investigator and gain a collection of practical, efficient techniques to get the job done. Diving straight into a discussion of anti-forensic techniques, this

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book shows you the many ways to effectively detect them. Now that you know what you are looking for, you ' ll shift your focus to network forensics, where you cover the various tools available to make your network forensics process less complicated. Following this, you will work with cloud and mobile forensic techniques by considering the concept of forensics as a service (FaSS), giving you cutting-edge skills that will future-proof your career. Building on this, you will learn the process of breaking down malware attacks, web attacks, and email scams with case studies to give you a clearer view of the techniques to be followed. Another tricky technique is SSD forensics, so the author covers this in detail to give you the alternative analysis techniques you ' ll need. To keep you up to speed on contemporary forensics, Practical Cyber Forensics includes a chapter on Bitcoin forensics, where key crypto-currency forensic techniques will be shared. Finally, you will see how to prepare accurate investigative reports. What You Will Learn Carry out forensic investigation on Windows, Linux, and macOS systems Detect and counter anti-forensic techniques Deploy network, cloud, and mobile forensics Investigate web and malware attacks Write efficient investigative reports Who This Book Is For Intermediate infosec professionals looking for a practical approach to investigative cyber forensics techniques.

Cybercrime Case Presentation is a "first look" excerpt from Brett Shavers' new Syngress book, Placing the Suspect Behind the Keyboard. Case presentation requires the skills of a good forensic examiner and great public speaker in order to convey enough information to an audience for the audience to place the suspect behind the keyboard. Using a variety of visual aids, demonstrative methods, and analogies, investigators can effectively create an environment where the audience fully understands complex technical information and activity in a chronological fashion, as if they observed the case as it happened.

Revised edition of the author's System forensics, investigation, and response, c2014.

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Computer Forensics

Cybercrime and Information Technology

An Incident-Based Approach to Forensic Investigations