

Cyber Crime Book

This edited book promotes and facilitates cybercrime research by providing a cutting-edge collection of perspectives on the critical usage of online data across platforms, as well as the implementation of both traditional and innovative analysis methods. The accessibility, variety and wealth of data available online presents substantial opportunities for researchers from different disciplines to study cybercrimes and, more generally, human behavior in cyberspace. The unique and dynamic characteristics of cyberspace often demand cross-disciplinary and cross-national research endeavors, but disciplinary, cultural and legal differences can hinder the ability of researchers to collaborate. This work also provides a review of the ethics associated with the use of online data sources across the globe. The authors are drawn from multiple disciplines and nations, providing unique insights into the value and challenges evident in online data use for cybercrime scholarship. It is a key text for researchers at the upper undergraduate level and above.

'Cyber Crime: Law and Practice', now in its second edition, tackles the fast-growing topic of cyber crime and covers a wide range of issues from electronic fraud, data, interception of communications, cyber stalking, online theft and intellectual property to more involved topics like malicious communications and the rules of evidence relating to cyber-crimes and computers. The second edition contains updated information on: New Offences under the Computer Misuse Act 1990, Investigatory Powers Act 2016, Data Protection Act 2018 and GDPR, and new CPS guidance on prosecution of offences relating to social media. Using detailed case studies, examples and statutory extracts the author explains all aspects of cyber crime and computer crime. 'Cyber Crime: Law and Practice' provides a practical, easy-to-follow guide for practitioners in the field, as well as those in law enforcement and academia.

Shortlisted for the Orwell Prize and the CWA Gold Dagger for Non-Fiction Award The benefits of living in a digital, globalised society are enormous; so too are the dangers. The world has become a law enforcer's nightmare and every criminal's dream. We bank online, shop online, date, learn, work and live online. But have the institutions that keep us safe on the streets learned to protect us in the burgeoning digital world? Have we become complacent about our personal security -- sharing our thoughts, beliefs and the details of our daily lives with anyone who cares to relieve us of them? In this fascinating and compelling book, Misha Glenny, author of the international bestseller *McMafia*, explores the three fundamental threats facing us in the twenty-first century: cyber crime, cyber warfare and cyber industrial espionage. Governments and the private sector are losing billions of dollars each year, fighting an ever-morphing, often invisible, and highly intelligent new breed of criminal: the hacker. Glenny has travelled and trawled the world. And by exploring the rise and fall of the criminal website, DarkMarket, he has uncovered the most vivid, alarming and illuminating stories.

Whether JiLsi or Matrix, Iceman, Master Splynter or Lord Cyric; whether Detective Sergeant Chris Dawson in Bolton or Agent Keith Mularski in Pittsburgh, Glenny has tracked down and interviewed all the players -- the criminals, the geeks, the police, the security experts and the victims -- and he places everyone and everything in a rich brew of politics, economics and history. The result is simply unputdownable. DarkMarket is authoritative and completely engrossing. It's a must-read for everyone who uses a computer: the essential crime book for our times.

Cybercrime has become increasingly prevalent in the new millennium as computer-savvy criminals have developed more sophisticated ways to victimize people online and through other digital means. The Law of Cybercrimes and Their Investigations is a comprehensive text exploring the gamut of issues surrounding this growing phenomenon. After an introduction to the history of computer crime, the book reviews a host of topics including: Information warfare and cyberterrorism Obscenity, child pornography, sexual predator conduct, and online gambling Cyberstalking, cyberharassment, cyberbullying, and other types of unlawful expression Auction fraud, Ponzi and pyramid schemes, access device fraud, identity theft and fraud, securities and bank fraud, money laundering, and electronic transfer fraud Data privacy crimes, economic espionage, and intellectual property crimes Principles applicable to searches and seizures of computers, other digital devices, and peripherals Laws governing eavesdropping, wiretaps, and other investigatory devices The admission of digital evidence in court Procedures for investigating cybercrime beyond the borders of the prosecuting jurisdiction Each chapter includes key words or phrases readers should be familiar with before moving on to the next chapter. Review problems are supplied to test assimilation of the material, and the book contains weblinks to encourage further study.

This book articulates how crime prevention research and practice can be reimagined for an increasingly digital world. This ground-breaking work explores how criminology can apply longstanding, traditional crime prevention techniques to the digital realm. It provides an overview of the key principles, concepts and research literature associated with crime prevention, and discusses the interventions most commonly applied to crime problems. The authors review the theoretical underpinnings of these and analyses evidence for their efficacy.

Cybercrime Prevention is split into three sections which examine primary prevention, secondary prevention and tertiary prevention. It provides a thorough discussion of what works and what does not, and offers a formulaic account of how traditional crime prevention interventions can be reimagined to apply to the digital realm.

In recent years, industries have transitioned into the digital realm, as companies and organizations are adopting certain forms of technology to assist in information storage and efficient methods of production. This dependence has significantly increased the risk of cyber crime and breaches in data security.

Fortunately, research in the area of cyber security and information protection is flourishing; however, it is the responsibility of industry professionals to keep pace with the current trends within this field. The Handbook of Research on Cyber Crime and Information Privacy is a collection of innovative research on the modern methods of crime and misconduct within cyber space. It presents novel solutions to securing and preserving digital information through practical examples and case studies. While highlighting topics including virus detection, surveillance technology, and social networks, this book is ideally designed for cybersecurity professionals, researchers, developers, practitioners, programmers, computer scientists, academicians, security analysts, educators, and students seeking up-to-date research on advanced approaches and developments in cyber security and information protection.

"In this expanded edition, Clifford again leads a team of nationally known experts in cybercrime (gathered from the diverse fields of academia, private practice, and U.S. government) to unfold the legal mysteries of computer crime. The book explores the variety of crimes that involve computer technology and provides essential details on procedural and tactical issues associated with the prosecution and defense of a cybercrime. Its insightful writing will be of great interest to criminal prosecution and defense attorneys, law enforcement officers, and students of computer or modern criminal law."--BOOK JACKET.

Cyber Crime, Second Edition by Catherine D. Marcum, provides the reader with a thorough examination of the prominence of cybercrime in our society, as well as the criminal justice system experience with cybercrimes. Research from scholars in the academic field, as well as government studies, statutes, and other material are gathered and summarized. Key concepts, statistics, and legislative histories are discussed in every chapter. The book is meant to educate and enlighten a wide audience, from those who are completely unfamiliar with the topic as an entirety, to individuals who need more specific information on a particular type of cybercrime. This text should be a useful guide to students, academics, and practitioners alike. New to the Second Edition: A new chapter explores the many forms of nonconsensual pornography—doxing, downblousing, upskirting, revenge porn, sextortion—and its negative effects on victims and society. New features—Key Words, Questions to Consider While Reading, and end-of-chapter Discussion Question—help students focus on key concepts. Discussions of the latest issues—the Convention on Cybercrime, R.B. Cialdini's research into grooming, neutralization (or rationalization) of behaviors, transaction laundering, and cyber dating—keep students current with recent developments. Updates include the latest statistics from the National Center for Missing and Exploited Children, case studies with recent developments and rulings (Playpen, Tor), and expanded coverage of online prostitution and Internet safety for minors. Professors and students will benefit from: Case studies in each chapter that connect new concepts to current events and illustrate the use of criminal theory in crime solving Questions for discussion that encourage

evaluative and analytical thinking A range of theories and perspectives that shed light on the complexity of Internet-based crime Discussion and analysis of the demographics and characteristics of the offenders and their victims An informative review of the efforts of legislation, public policy, and law enforcement to prevent and prosecute cyber crime Coverage of the most widespread and damaging types of cyber crime intellectual property theft online sexual victimization identity theft cyber fraud and financial crimes harassment

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 Cybecrime requiring a certain level of investigation and remediation. And in many cases, an investigation is mandates 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.

In order to enable general understanding and to foster the implementation of necessary support measures in organizations, this book describes the fundamental and conceptual aspects of cyberspace abuse. These aspects are logically and reasonably discussed in the fields related to cybercrime and cyberwarfare. The book illustrates differences between the two fields, perpetrators' activities, as well as the methods of investigating and fighting against attacks committed by perpetrators operating in cyberspace. The first chapter focuses on the understanding of cybercrime, i.e. the perpetrators, their motives and their organizations. Tools for implementing attacks are also briefly mentioned, however this book is not technical and does not intend to instruct readers about the technical aspects of cybercrime, but rather focuses on managerial views of cybercrime. Other sections of this chapter deal with the protection against attacks, fear, investigation and the cost of cybercrime. Relevant legislation and legal bodies, which are used in cybercrime, are briefly described at the end of the chapter. The second chapter deals with cyberwarfare and explains the difference between classic cybercrime and operations taking place in the modern inter-connected world. It tackles the following questions: who is committing cyberwarfare; who are the victims and who are the perpetrators? Countries which have an important role in cyberwarfare around the world, and the significant efforts being made to combat cyberwarfare on national and international levels, are mentioned. The common points of cybercrime and cyberwarfare, the methods used to protect against them and the vision of the future of cybercrime and cyberwarfare are briefly described at the end of the book. Contents 1. Cybercrime. 2. Cyberwarfare. About the Authors Igor Bernik is Vice Dean for Academic Affairs and Head of the Information Security Lab at the University of Maribor, Slovenia. He has written and contributed towards over 150 scientific articles and conference papers, and co-authored 4 books. His current research interests concern information/cybersecurity, cybercrime, cyberwarfare and cyberterrorism.

This innovative text provides an excellent introduction to technology-assisted crime and the basics of investigating such crime, from the criminal justice perspective. It presents clear, concise explanations for students and professionals, who need not be technically proficient to find the material easy-to-understand and practical. The book begins by identifying and defining the most prevalent and emerging high-technology crimes — and exploring their history, their original methods of commission, and their current methods of commission. Then it delineates the requisite procedural issues associated with investigating technology-assisted crime. In addition, the text provides a basic introduction to computer forensics, explores legal issues in the admission of digital evidence, and then examines the future of high-technology crime, including legal responses.

Documents how a troubled young computer hacker seized control of a massive international computer fraud network in 2006, tracing the efforts of FBI and Secret Service agents as well as an undercover operator to locate and arrest him. Reprint.

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, 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

Designed to serve as a reference work for practitioners, academics, and scholars worldwide, this book is the first of its kind to explain complex cybercrimes from the perspectives of multiple disciplines (computer science, law, economics, psychology, etc.) and scientifically analyze their impact on individuals, society, and nations holistically and comprehensively. In particular, the book shows: How multiple disciplines concurrently bring out the complex, subtle, and elusive nature of cybercrimes How cybercrimes will affect every human endeavor, at the level of individuals, societies, and nations How to legislate proactive cyberlaws, building on a fundamental grasp of computers and networking, and stop reacting to every new cyberattack How conventional laws and traditional thinking fall short in protecting us from cybercrimes How we may be able to transform the destructive potential of cybercrimes into amazing innovations in cyberspace that can lead to explosive technological growth and prosperity

Written by a former NYPD cyber cop, this is the only book available that discusses the hard questions cyber crime investigators are asking. The book begins with the chapter “What is Cyber Crime? This introductory chapter describes the most common challenges faced by cyber investigators today. The following chapters discuss the methodologies behind cyber investigations; and frequently encountered pitfalls. Issues relating to cyber crime definitions, the electronic crime scene, computer forensics, and preparing and presenting a cyber crime investigation in court will be examined. Not only will these topics be generally be discussed and explained for the novice, but the hard questions—the questions that have the power to divide this community— will also be examined in a comprehensive and thoughtful manner. This book will serve as a foundational text for the cyber crime community to begin to move past current difficulties into its next evolution. This book has been written by a retired NYPD cyber cop, who has worked many high-profile computer crime cases Discusses the complex relationship between the public and private sector with regards to cyber crime Provides essential information for IT security professionals and first responders

on maintaining chain of evidence

Written by experts on the frontlines, Investigating Internet Crimes provides seasoned and new investigators with the background and tools they need to investigate crime occurring in the online world. This invaluable guide provides step-by-step instructions for investigating Internet crimes, including locating, interpreting, understanding, collecting, and documenting online electronic evidence to benefit investigations. Cybercrime is the fastest growing area of crime as more criminals seek to exploit the speed, convenience and anonymity that the Internet provides to commit a diverse range of criminal activities. Today's online crime includes attacks against computer data and systems, identity theft, distribution of child pornography, penetration of online financial services, using social networks to commit crimes, and the deployment of viruses, botnets, and email scams such as phishing. Symantec's 2012 Norton Cybercrime Report stated that the world spent an estimated \$110 billion to combat cybercrime, an average of nearly \$200 per victim. Law enforcement agencies and corporate security officers around the world with the responsibility for enforcing, investigating and prosecuting cybercrime are overwhelmed, not only by the sheer number of crimes being committed but by a lack of adequate training material. This book provides that fundamental knowledge, including how to properly collect and document online evidence, trace IP addresses, and work undercover. Provides step-by-step instructions on how to investigate crimes online Covers how new software tools can assist in online investigations Discusses how to track down, interpret, and understand online electronic evidence to benefit investigations Details guidelines for collecting and documenting online evidence that can be presented in court

This fascinating and timely book traces the emergence and evolution of cybercrime as an increasingly intransigent threat to society. * A chronology traces the emergence and evolution of cybercrime from the 1950s to the present * Detailed descriptions and analysis of real cybercrime cases illustrate what cybercrime is and how cybercriminals operate Cybercrime is a growing problem in the modern world. Despite the many advantages of computers, they have spawned a number of crimes, such as hacking and virus writing, and made other crimes more prevalent and easier to commit, including music piracy, identity theft and child sex offences. Understanding the psychology behind these crimes helps to determine what motivates and characterises offenders and how such crimes can be prevented. This textbook on the psychology of the cybercriminal is the first written for undergraduate and postgraduate students of psychology, criminology, law, forensic science and computer science. It requires no specific background knowledge and covers legal issues, offenders, effects on victims, punishment and preventative measures for a wide range of cybercrimes. Introductory chapters on forensic psychology and the legal issues of cybercrime ease students into the subject, and many pedagogical features in the book and online provide support for the student. Cybercrimes are a threat and as dangerous as an armed intruder—yet millions of Americans are complacent or simply uninformed of how to protect themselves. The Secret to Cybersecurity closes that knowledge gap by using real-life examples to educate readers. It's 2 a.m.—do you know who your child is online with? According to author Scott Augenbaum, between 80 to 90 percent of students say they do whatever they want on their smartphones—and their parents don't have a clue. Is that you? What about your online banking

passwords, are they safe? Has your email account or bank/debit card ever been compromised? In 2018, there were data breaches at several major companies—If those companies have your credit or debit information, that affects you. There are bad people in the world, and they are on the internet. They want to hurt you. They are based all over the world, so they're hard at "work" when even you're sleeping. They use automated programs to probe for weaknesses in your internet security programs. And they never stop. Cybercrime is on the increase internationally, and it's up to you to protect yourself. But how? The Secret to Cybersecurity is the simple and straightforward plan to keep you, your family, and your business safe. Written by Scott Augenbaum, a 29-year veteran of the FBI who specialized in cybercrimes, it uses real-life examples to educate and inform readers, explaining who/why/how so you'll have a specific takeaway to put into action for your family. Learn about the scams, methods, and ways that cyber criminals operate—and learn how to avoid being the next cyber victim.

The investigator's practical guide for cybercrime evidence identification and collection Cyber attacks perpetrated against businesses, governments, organizations, and individuals have been occurring for decades. Many attacks are discovered only after the data has been exploited or sold on the criminal markets. Cyber attacks damage both the finances and reputations of businesses and cause damage to the ultimate victims of the crime. From the perspective of the criminal, the current state of inconsistent security policies and lax investigative procedures is a profitable and low-risk opportunity for cyber attacks. They can cause immense harm to individuals or businesses online and make large sums of money—safe in the knowledge that the victim will rarely report the matter to the police. For those tasked with probing such crimes in the field, information on investigative methodology is scarce. The Cybercrime Investigators Handbook is an innovative guide that approaches cybercrime investigation from the field-practitioner's perspective. While there are high-quality manuals for conducting digital examinations on a device or network that has been hacked, the Cybercrime Investigators Handbook is the first guide on how to commence an investigation from the location the offence occurred—the scene of the cybercrime—and collect the evidence necessary to locate and prosecute the offender. This valuable contribution to the field teaches readers to locate, lawfully seize, preserve, examine, interpret, and manage the technical evidence that is vital for effective cybercrime investigation. Fills the need for a field manual for front-line cybercrime investigators Provides practical guidance with clear, easy-to-understand language Approaches cybercrime from the perspective of the field practitioner Helps companies comply with new GDPR guidelines Offers expert advice from a law enforcement professional who specializes in cybercrime investigation and IT security Cybercrime Investigators Handbook is much-needed resource for law enforcement and cybercrime investigators, CFOs, IT auditors, fraud investigators, and other practitioners in related areas.

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 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

Looking at the full range of cybercrime, and computer security he shows how the increase in personal computing power available within a globalized communications network has affected the nature of and response to criminal activities. We have now entered the world of low impact, multiple victim crimes in which bank robbers, for example, no longer have to meticulously plan the theft of millions of dollars. New technological capabilities at their disposal now mean that one person can effectively commit millions of robberies of one dollar each. Against this background, David Wall scrutinizes the regulatory challenges that cybercrime poses for the criminal (and civil) justice processes, at both the national and the international levels. Book jacket.

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 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 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.

The skills and tools for collecting, verifying and correlating information from different types of systems is an essential skill when tracking down hackers. This book explores Open Source Intelligence Gathering (OSINT) inside out from multiple perspectives, including those of hackers and seasoned intelligence experts. OSINT refers to the techniques and tools required to harvest publicly available data concerning a person or an organization. With several years of experience of tracking hackers with OSINT, the author whips up a classical plot-line involving a hunt for a threat actor. While taking the audience through the thrilling investigative drama, the author immerses the audience with in-depth knowledge of state-of-the-art OSINT tools and techniques. Technical users will want a basic understanding of the Linux command line in order to follow the examples. But a person with no Linux or programming experience can still gain a lot from this book through the commentaries. This book's unique digital investigation proposition is a combination of story-telling, tutorials, and case studies. The book explores digital investigation from multiple angles: Through the eyes of the author who has several years of experience in the subject. Through the mind of the hacker who collects massive amounts of data from multiple online sources to identify targets as well as ways to hit the targets. Through the eyes of industry leaders. This book is ideal for: Investigation professionals, forensic analysts, and CISO/CIO and other executives wanting to understand the mindset of a hacker and how seemingly harmless information can be used to target their organization. Security analysts, forensic investigators, and SOC teams looking for new

approaches on digital investigations from the perspective of collecting and parsing publicly available information. CISOs and defense teams will find this book useful because it takes the perspective of infiltrating an organization from the mindset of a hacker. The commentary provided by outside experts will also provide them with ideas to further protect their organization's data.

Cybercrime is a complex and ever-changing phenomenon. This book offers a clear and engaging introduction to this fascinating subject by situating it in the wider context of social, political, cultural and economic change. Taking into account recent developments in social networking and mobile communications, this new edition tackles a range of themes spanning criminology, sociology, law, politics and cultural studies, including: - computer hacking - cyber-terrorism - piracy and intellectual property theft - financial fraud and identity theft - hate speech - internet pornography - online stalking - policing the internet - surveillance and censorship Complete with useful recommendations for further reading, incisive discussion questions and an updated glossary of key terms, *Cybercrime and Society* is an essential resource for all students and academics interested in cybercrime and the future of the Internet.

Today's digital economy is uniquely dependent on the Internet, yet few users or decision makers have more than a rudimentary understanding of the myriad of online risks that threaten us. Cyber crime is one of the main threats to the integrity and availability of data and systems. From insiders to complex external attacks and industrial worms, modern business faces unprecedented challenges; and while cyber security and digital intelligence are the necessary responses to this challenge, they are understood by only a tiny minority. In his second book on high-tech risks, Mark Johnson goes far beyond enumerating past cases and summarising legal or regulatory requirements. He describes in plain, non-technical language how cyber crime has evolved and the nature of the very latest threats. He confronts issues that are not addressed by codified rules and practice guidelines, supporting this with over 30 valuable illustrations and tables. Written for the non-technical layman and the high tech risk manager alike, the book also explores countermeasures, penetration testing, best practice principles, cyber conflict and future challenges. A discussion of Web 2.0 risks delves into the very real questions facing policy makers, along with the pros and cons of open source data. In a chapter on Digital Intelligence readers are provided with an exhaustive guide to practical, effective and ethical online investigations. *Cyber Crime, Security and Digital Intelligence* is an important work of great relevance in today's interconnected world and one that nobody with an interest in either risk or technology should be without.

Presented from a criminal justice perspective, *Cyberspace, Cybersecurity, and Cybercrime* introduces students to the interdisciplinary field of cybercrime by exploring the theoretical, practical, and legal framework it operates under, along with strategies to combat it. Authors Janine Kremling and Amanda M. Sharp Parker provide a straightforward overview of cybercrime, cyberthreats, and the vulnerabilities individuals, businesses, and governments face everyday in a digital environment. Highlighting the latest empirical research findings and challenges that cybercrime and cybersecurity pose for those working in the field of criminal justice, this book exposes critical issues related to privacy, terrorism, hacktivism, the dark web, and much more. Focusing on the past, present, and future impact of cybercrime and cybersecurity, it details how criminal

justice professionals can be prepared to confront the changing nature of cybercrime. Jonathan Lusthaus lifts the veil on cybercriminals in the most extensive account yet of the lives they lead and the vast international industry they have created. Having traveled to hotspots around the world to meet with hundreds of law enforcement agents, security gurus, hackers, and criminals, he charts how this industry based on anonymity works.

Cybercrimes are often viewed as technical offenses that require technical solutions, such as antivirus programs or automated intrusion detection tools. However, these crimes are committed by individuals or networks of people which prey upon human victims and are detected and prosecuted by criminal justice personnel. As a result, human decision-making plays a substantial role in the course of an offence, the justice response, and policymakers' attempts to legislate against these crimes. This book focuses on the human factor in cybercrime: its offenders, victims, and parties involved in tackling cybercrime. The distinct nature of cybercrime has consequences for the entire spectrum of crime and raises myriad questions about the nature of offending and victimization. For example, are cybercriminals the same as traditional offenders, or are there new offender types with distinct characteristics and motives? What foreground and situational characteristics influence the decision-making process of offenders? Which personal and situational characteristics provide an increased or decreased risk of cybercrime victimization? This book brings together leading criminologists from around the world to consider these questions and examine all facets of victimization, offending, offender networks, and policy responses.

In 2004, a California computer whiz named Barrett Lyon uncovered the identity of a hacker running major assaults on business websites. Without fully grasping the repercussions, he set on an investigation that led him into the heart of the Russian mob. Cybercrime was evolving. No longer the domain of small-time thieves, it had been discovered by sophisticated gangs. They began by attacking corporate websites but increasingly stole financial data from consumers and defense secrets from governments. While Barrett investigated the cutting edge of technology crime, the U.S. government struggled to catch up. Britain, however, was a different story. In the late 1990s, the Queen herself had declared safe e-commerce a national security priority. Agents from the London-based National Hi-Tech Crime Unit sought out Barrett and enlisted his help. They also sent detective Andrew Crocker, a Welsh former boxer, to Russia to track down and prosecute the hackers—and to find out who they worked for. Fatal System Error penetrates both the Russian cyber-mob and the American mafia as the two fight over the Internet's massive spoils. It takes readers into the murky hacker underground, traveling the globe from San Francisco to Costa Rica, London, and Russia. Using unprecedented access to mob businesses and Russian officials, it shows how top criminals earned protection from the Russian government—and how Barrett Lyon and Andrew Crocker got closer to the titans of the underground economy than any previous outsider. Together, their stories explain why cybercrime is much worse than you thought—and why the Internet might not survive.

Alongside its positive impact of providing a global reach, the Internet is prone to a variety of abuses. In the 1990s it was unauthorised access of computers and impairment of the operation of computers through the introduction of viruses and worms that took centre stage. Since then the potential of the Internet for fraudulent activities

has been realised by the criminal fraternity and, in recent years, we have seen, for instance, the rise of identity theft and the widespread distribution of offensive and illegal materials. The collection of essays in this volume, while being highly selective, provides a snapshot of the parameters of computer crime, the legal response and discussions surrounding ways to improve the security of cyberspace.

As technology develops and internet-enabled devices become ever more prevalent new opportunities exist for that technology to be exploited by criminals. One result of this is that cybercrime is increasingly recognised as a distinct branch of criminal law. This book is designed for students studying cybercrime for the first time, enabling them to get to grips with an area of rapid change. The book offers a thematic and critical overview of cybercrime, introducing the key principles and clearly showing the connections between topics as well as highlighting areas subject to debate. Written with an emphasis on the law in the UK but considering in detail the Council of Europe's important Convention on Cybercrime, this text also covers the jurisdictional aspects of cybercrime in international law. Themes discussed include crimes against computers, property, offensive content, and offences against the person, and recent controversial areas such as cyberterrorism and cyber-harassment are explored. Clear, concise and critical, this text offers a valuable overview of this fast-paced and growing area of law. 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 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, cyberterrorism 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, cyber-deviancy, digital forensics, cybercrime investigation and the sociology of technology.

NEW YORK TIMES and WALL STREET JOURNAL BESTSELLER ONE OF THE WASHINGTON POST'S 10 BEST BOOKS OF 2015 One of the world's leading authorities on global security, Marc Goodman takes readers deep into the digital underground to expose the alarming ways criminals, corporations, and even countries are using new and emerging technologies against you—and how this makes everyone more vulnerable than ever imagined. Technological advances have benefited our world in immeasurable ways, but there is an ominous flip side: our technology can be turned against us. Hackers can activate baby monitors to spy on families, thieves are

analyzing social media posts to plot home invasions, and stalkers are exploiting the GPS on smart phones to track their victims' every move. We all know today's criminals can steal identities, drain online bank accounts, and wipe out computer servers, but that's just the beginning. To date, no computer has been created that could not be hacked—a sobering fact given our radical dependence on these machines for everything from our nation's power grid to air traffic control to financial services. Yet, as ubiquitous as technology seems today, just over the horizon is a tidal wave of scientific progress that will leave our heads spinning. If today's Internet is the size of a golf ball, tomorrow's will be the size of the sun. Welcome to the Internet of Things, a living, breathing, global information grid where every physical object will be online. But with greater connections come greater risks. Implantable medical devices such as pacemakers can be hacked to deliver a lethal jolt of electricity and a car's brakes can be disabled at high speed from miles away. Meanwhile, 3-D printers can produce AK-47s, bioterrorists can download the recipe for Spanish flu, and cartels are using fleets of drones to ferry drugs across borders. With explosive insights based upon a career in law enforcement and counterterrorism, Marc Goodman takes readers on a vivid journey through the darkest recesses of the Internet. Reading like science fiction, but based in science fact, *Future Crimes* explores how bad actors are primed to hijack the technologies of tomorrow, including robotics, synthetic biology, nanotechnology, virtual reality, and artificial intelligence. These fields hold the power to create a world of unprecedented abundance and prosperity. But the technological bedrock upon which we are building our common future is deeply unstable and, like a house of cards, can come crashing down at any moment. *Future Crimes* provides a mind-blowing glimpse into the dark side of technological innovation and the unintended consequences of our connected world. Goodman offers a way out with clear steps we must take to survive the progress unfolding before us. Provocative, thrilling, and ultimately empowering, *Future Crimes* will serve as an urgent call to action that shows how we can take back control over our own devices and harness technology's tremendous power for the betterment of humanity—before it's too late.

A comprehensive doctrinal analysis of cybercrime laws in four major common law jurisdictions: Australia, Canada, the UK and the USA.

The last twenty years have seen an explosion in the development of information technology, to the point that people spend a major portion of waking life in online spaces. While there are enormous benefits associated with this technology, there are also risks that can affect the most vulnerable in our society but also the most confident. *Cybercrime and its victims* explores the social construction of violence and victimisation in online spaces and brings together scholars from many areas of inquiry, including criminology, sociology, and cultural, media, and gender studies. The book is organised thematically into five parts. Part one addresses some broad conceptual and theoretical issues. Part two is concerned with issues relating to sexual violence, abuse, and exploitation, as well as to sexual expression online. Part three addresses issues related to race and culture. Part four addresses concerns around cyberbullying and online suicide, grouped together as 'social violence'. The final part argues that victims of cybercrime are, in general, neglected and not receiving the recognition and support they need and deserve. It concludes that in the volatile and complex world of cyberspace continued awareness-raising is essential for bringing attention to the plight

