Cyber Crime Security And Digital Intelligence

Cyberspace, Cybersecurity, and Cybercrime
Applications for Investigation Processes
Modern Principles, Practices, and Algorithms
Cyber Security Auditing, Assurance, and Awareness Through CSAM and CATRAM
Cybercrime Investigations
Computer Crime
Cyber Criminology
Cyber Crime, Security and Digital Intelligence
SECURITY AGAINST CYBER-CRIME: PREVENTION AND DETECT
Bridging the Gaps Between Security Professionals, Law Enforcement, and Prosecutors
Forensic Science, Computers and the Internet
Digital Defense
Digital Forensics
Handbook of Computer Crime Investigation
Digital Evidence and Computer Crime
Hunting Cyber Criminals
Security and Surveillance in the Information Age
Strategies for Global Corporate Security
Handbook for Cyber Crime Investigators
Cyber Security and Digital Forensics
Crime Science and Digital Forensics

Cyber Crime, Security and Digital Intelligence
A Hacker's Guide to Online Intelligence Gathering Tools and Techniques
Handbook of Research on Digital Crime, Cyberspace Security, and Information Assurance
Proceedings of ICCSDF 2021
A Comprehensive Resource for Everyone
An Introduction
The Best Damn Cybercrime and Digital Forensics Book Period
Second International ICST Conference, ICDF2C 2010, Abu Dhabi, United Arab Emirates, October 4-6, 2010, Revised Selected Papers
Prevention and Detection of Cyber Crimes
Digital Crime and Forensic Science in Cyberspace
Cybercrime: An Encyclopedia of Digital Crime
Cybercrime and Business
Cybercrime and Cloud Forensics: Applications for Investigation Processes
Cybercrime and Information Technology
Cyber Crime and Digital Disorder
Cybercrime
Cyber Crime and Digital Evidence: Materials and Cases

DEANDRE KALEB

Cyberspace, Cybersecurity, and Cybercrime CRC Press 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.

Applications for Investigation Processes SAGE Publications

Cyber Crime and Digital Evidence: Materials and Cases is designed to be an accessible introduction to Cyber Crime and Digital Evidence. The title illuminates two significant aspects of this book. First, cyber crime is only a subset of a much broader trend in the criminal area, which is the use of digital evidence in virtually all criminal cases. Hence, it is important to understand the legal framework that regulates obtaining that increasingly used and important evidence. Second, this book provides a

broader framework than an endless stream of cases offers. Law students deserve the broader context and, hopefully, will get some of it with this book. The second edition includes new cases, particularly United States Supreme Court cases on searching cell phones, have begun to add clarity and needed guidance to the acquisition of digital evidence procedures required of law enforcement. New technology and case law discussing the impact of that technology have been added throughout the book. The eBook versions of this title feature links to Lexis Advance for further legal research options.

Modern Principles, Practices, and Algorithms Routledge

The reason as to why I decided to write this book is the fact that many of us lives with a belief that we have only four common domains in this world, which are land, sea, air and outer space. But currently due to the development of science and technology a fifth common domain has been created, and that is cyberspace. This new common domain creates a new environment for the commission of crimes known as cyber crimes. And because of its nature, it became difficult to deal with these natures of crimes. The widespread digital accessibility creates new opportunities for the unprincipled because the manners in which offenders

commit crimes changed from traditional to digital means. A lot of currencies are lost by both businesses and consumers to computer-criminals. Fair enough, computers and networks can be used to harass victims or set them up for violent attacks such as to coordinate and carry out terrorist activities that threaten us all. Coming back to our country Tanzania, regrettably in many cases law enforcement institutions have insulated behind these criminals, deficient in the technology and the trained recruits to address this fresh and rising risk. To make things worse, old laws did not fairly prevent the crimes from being committed. Furthermore, new laws had not quite caught up to the reality of what was happening, and there were few court precedents to look to for guidance. It is from this book whereby the position of cyber security, prevention and detection in Tanzania against cyber crimes, is determined. Actually, by looking at the Cyber Crime Act No.14 of 2015 on how the concepts above have been provided and implemented. Magalla Jr.Note de l'éditeur (FRENCH):Cet essai juridique en anglais traite du droit des nouvelles technologies de l'information et de la communication (NTIC) en Tanzanie, en particulier de la cybercriminalité, de sa définition, de sa

prévention et de sa répression en fonction des formes multiples qu'elle prend dans le cyber espace. Après avoir dépeint le cadre général et international du droit des NTIC, l'auteur va décrire la situation tanzanienne. L'approche se veut à la fois doctrinale et pratique. Les principales sources du droit des NTIC sont décrites et l'ouvrage se termine sur des cas pratiques rencontrés dans des tribunaux tanzaniens.

Createspace Independent Publishing Platform

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. **Cyber Security Auditing, Assurance, and Awareness Through CSAM and CATRAM** Routledge With the continued progression of technologies such as mobile computing and the internet of things (IoT), cybersecurity has swiftly risen to a prominent field of global interest. This has led to cyberattacks and cybercrime becoming much more sophisticated to a point where cybersecurity can no longer be the exclusive responsibility of an organization's information technology (IT) unit. Cyber warfare is becoming a national issue and causing various governments to reevaluate the current defense strategies they have in place. Cyber Security Auditing, Assurance, and Awareness Through CSAM and CATRAM provides emerging research exploring the practical aspects of reassessing current cybersecurity measures within organizations and international governments and improving upon them using audit and awareness training models, specifically the Cybersecurity Audit Model (CSAM) and the Cybersecurity Awareness Training Model (CATRAM). The book presents multi-case studies on the development and validation of these models and

frameworks and analyzes their implementation and ability to sustain and audit national cybersecurity strategies. Featuring coverage on a broad range of topics such as forensic analysis, digital evidence, and incident management, this book is ideally designed for researchers, developers, policymakers, government officials, strategists, security professionals, educators, security analysts, auditors, and students seeking current research on developing training models within cybersecurity management and awareness.

Walter de Gruyter GmbH & Co KG

In our hyper-connected digital world, cybercrime prevails as a major threat to online security and safety. New developments in digital forensics tools and an understanding of current criminal activities can greatly assist in minimizing attacks on individuals, organizations, and society as a whole. The Handbook of Research on Digital Crime, Cyberspace Security, and Information Assurance combines the most recent developments in data protection and information communication technology (ICT) law with research surrounding current criminal behaviors in the digital sphere. Bridging research and practical application, this comprehensive reference source is

ideally designed for use by investigators, computer forensics practitioners, and experts in ICT law, as well as academicians in the fields of information security and criminal science. Cybercrime Investigations Elsevier 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.
Computer Crime ABC-CLIO
"Digital Evidence and Computer Crime" provides the knowledge necessary to uncover and use digital evidence effectively in any kind of investigation. This completely updated edition provides the introductory materials that new students require, and also expands on the material presented in previous editions to help students develop these skills.
Cyber Criminology John Wiley & Sons
This volume is a collation of articles on counter forensics

practices and digital investigative methods from the perspective of crime science. The book also shares alternative dialogue on information security techniques used to protect data from unauthorised access and manipulation. Scandals such as those at OPCW and Gatwick Airport have reinforced the importance of crime science and the need to take proactive measures rather than a wait and see approach currently used by many organisations. This book proposes a new approach in dealing with cybercrime and unsociable behavior involving remote technologies using a combination of evidence-based disciplines in order to enhance cybersecurity and authorised controls. It starts by providing a rationale for combining selected disciplines to enhance cybersecurity by discussing relevant theories and highlighting the features that strengthen privacy when mixed. The essence of a holistic model is brought about by the challenge facing digital forensic professionals within environments where tested investigative practices are unable to provide satisfactory evidence and security. This book will be of interest to students, digital forensic and cyber security practitioners and policy makers. It marks a new route in the study of combined disciplines to tackle cybercrime using digital

investigations and crime science.

Cyber Crime, Security and Digital Intelligence

IGI Global

Cybercrime and Digital Deviance is a work that 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.

SECURITY AGAINST CYBER-CRIME: PREVENTION AND DETECT CRC Press This book provides a comprehensive overview of the current and emerging challenges of cyber criminology, victimization and profiling. It is a compilation of the outcomes of the collaboration between researchers and practitioners in the cyber criminology field, IT law and security field. As Governments, corporations, security firms, and individuals look to tomorrow's cyber security challenges, this book provides a reference point for experts and forward-thinking analysts at a time when the debate over how we plan for the cyber-security of the future has become a major concern. Many criminological perspectives define crime in terms of social, cultural and

material characteristics, and view crimes as taking place at a specific geographic location. This definition has allowed crime to be characterised, and crime prevention, mapping and measurement methods to be tailored to specific target audiences. However, this characterisation cannot be carried over to cybercrime, because the environment in which such crime is committed cannot be pinpointed to a geographical location, or distinctive social or cultural groups. Due to the rapid changes in technology, cyber criminals' behaviour has become dynamic, making it necessary to reclassify the typology being currently used. Essentially, cyber criminals' behaviour is evolving over time as they learn from their actions and others' experiences, and enhance their skills. The offender signature, which is a repetitive ritualistic behaviour that offenders often display at the crime scene, provides law enforcement agencies an appropriate profiling tool and offers investigators the opportunity to understand the motivations that perpetrate such crimes. This has helped researchers classify the type of perpetrator being sought. This book offers readers insights into the psychology of cyber criminals, and understanding and analysing their motives and the methodologies they adopt. With an

understanding of these motives, researchers, governments and practitioners can take effective measures to tackle cybercrime and reduce victimization.

Bridging the Gaps Between Security Professionals, Law Enforcement, and Prosecutors Elsevier

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

Forensic Science, Computers and the Internet Wiley-Scrivener

This book contains a selection of thoroughly refereed and revised papers from the Second International ICST Conference on Digital Forensics and Cyber Crime, ICDF2C 2010, held October 4-6, 2010 in Abu Dhabi, United Arab Emirates. The field of digital forensics is becoming increasingly important for law enforcement, network security, and information assurance. It is a multidisciplinary area that encompasses a number of fields, including law, computer science, finance, networking, data mining, and criminal justice. The 14 papers in this volume describe the various applications of this technology and cover a wide range of topics

including law enforcement, disaster recovery, accounting frauds, homeland security, and information warfare.

Digital Defense

Notion Press

This book presents a comprehensive study of different tools and techniques available to perform network forensics. Also, various aspects of network forensics are reviewed as well as related technologies and their limitations. This helps security practitioners and researchers in better understanding of the problem, current solution space, and future research scope to detect and investigate various network intrusions against such attacks efficiently. Forensic computing is rapidly gaining importance since the amount of crime involving digital systems is steadily increasing. Furthermore, the area is still underdeveloped and poses many technical and legal challenges. The rapid development of the Internet over the past decade appeared to have facilitated an increase in the incidents of online attacks. There are many reasons which are motivating the attackers to be fearless in carrying out the attacks. For example, the speed with which an attack can be carried out, the anonymity provided by the medium, nature of medium where digital information is stolen without actually removing it, increased availability of potential victims and the global

impact of the attacks are some of the aspects. Forensic analysis is performed at two different levels: Computer Forensics and Network Forensics. Computer forensics deals with the collection and analysis of data from computer systems, networks, communication streams and storage media in a manner admissible in a court of law. Network forensics deals with the capture, recording or analysis of network events in order to discover evidential information about the source of security attacks in a court of law. Network forensics is not another term for network security. It is an extended phase of network security as the data for forensic analysis are collected from security products like firewalls and intrusion detection systems. The results of this data analysis are utilized for investigating the attacks. Network forensics generally refers to the collection and analysis of network data such as network traffic, firewall logs, IDS logs, etc. Technically, it is a member of the already-existing and expanding the field of digital forensics. Analogously, network forensics is defined as "The use of scientifically proved techniques to collect, fuses, identifies, examine, correlate, analyze, and document digital evidence from multiple, actively processing and transmitting digital sources for the

purpose of uncovering facts related to the planned intent, or measured success of unauthorized activities meant to disrupt, corrupt, and or compromise system components as well as providing information to assist in response to or recovery from these activities." Network forensics plays a significant role in the security of today's organizations. On the one hand, it helps to learn the details of external attacks ensuring similar future attacks are thwarted. Additionally, network forensics is essential for investigating insiders' abuses that constitute the second costliest type of attack within organizations. Finally, law enforcement requires network forensics for crimes in which a computer or digital system is either being the target of a crime or being used as a tool in carrying a crime. Network security protects the system against attack while network forensics focuses on recording evidence of the attack. Network security products are generalized and look for possible harmful behaviors. This monitoring is a continuous process and is performed all through the day. However, network forensics involves post mortem investigation of the attack and is initiated after crime notification. There are many tools which assist in capturing data transferred over the networks so that an attack or the malicious

intent of the intrusions may be investigated. Similarly, various network forensic frameworks are proposed in the literature.

Digital Forensics

Benild Joseph Cybercrime and Business: Strategies for Global Corporate Security examines the three most prevalent cybercrimes afflicting today's corporate security professionals: piracy, espionage, and computer hacking. By demonstrating how each of these threats evolved separately and then converged to form an ultra-dangerous composite threat, the book discusses the impact the threats pose and how the very technologies that created the problem can help solve it. Cybercrime and Business then offers viable strategies for how different types of businesses—from large multinationals to small start-ups—can respond to these threats to both minimize their losses and gain a competitive advantage. The book concludes by identifying future technological threats and how the models presented in the book can be applied to handling them. Demonstrates how to effectively handle corporate cyber security issues using case studies from a wide range of companies around the globe Highlights the regulatory, economic, cultural, and demographic trends businesses encounter when facing security issues Profiles

corporate security issues in major industrialized, developing, and emerging countries throughout North America, Europe, Asia, Latin America, Africa, and the Middle East

Handbook of Computer Crime Investigation
Springer
"Digital forensics is the science of collecting the evidence that can be used in a court of law to prosecute the individuals who engage in electronic crime"--Provided by publisher.

Digital Evidence and Computer Crime
Springer
This book features high-quality research papers presented at the International Conference on Applications and Techniques in Cyber Security and Digital Forensics (ICCSDF 2021), held at The NorthCap University, Gurugram, Haryana, India, during April 3–4, 2021. This book discusses the topics ranging from information security to cryptography, mobile application attacks to digital forensics, and from cyber security to blockchain. The goal of the book is to provide 360-degree view of cybersecurity to the readers which include cyber security issues, threats, vulnerabilities, novel idea, latest technique and technology, and mitigation of threats and attacks along with demonstration of practical applications. This book also highlights the latest development, challenges, methodologies as well as other emerging

areas in this field. It brings current understanding of common Web vulnerabilities while maintaining awareness and knowledge of contemporary standards, practices, procedures, and methods of Open Web Application Security Project. It also expounds how to recover information after a cybercrime.

Hunting Cyber Criminals Springer Science & Business Media

Technological advances, although beneficial and progressive, can lead to vulnerabilities in system networks and security. While researchers attempt to find solutions, negative uses of technology continue to create new security threats to users. New Threats and Countermeasures in Digital Crime and Cyber Terrorism brings together research-based chapters and case studies on security techniques and current methods being used to identify and overcome technological vulnerabilities with an emphasis on security issues in mobile computing and online activities. This book is an essential reference source for researchers, university academics, computing professionals, and upper-level students interested in the techniques, laws, and training initiatives currently being implemented and adapted for secure computing.

Security and Surveillance in the

Information Age Butterworth-Heinemann 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 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.

Strategies for Global Corporate Security

Syngress

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