Electrical Forensics

Investigative Computer ForensicsIWBFComputational Intelligence in Digital Forensics: Forensic Investigation and ApplicationsWho's who in Technology Today: The expertise indexElectrical Fire AnalysisComputer ForensicsPeterson's Graduate Programs in Ocean Engineering, Paper & Textile Engineering, and Telecommunications 2011Annual Catalogue of the University of KansasWindows Registry ForensicsGuide to Computer Forensics and InvestigationsForensic Radio Survey Techniques for Cell Site AnalysisEssential Forensic PathologyDigital Forensics for Network, Internet, and Cloud ComputingEnvironmental ForensicsA.B.C.'s of Behavioral ForensicsForensics and Applied Science ExperimentsPBX Security and ForensicsComputer Forensics For DummiesPara-ForensicsMastering Windows Network Forensics and InvestigationDigital Crime and Forensic Science in CyberspaceDigital Image ForensicsProceedings of the Seventh International Workshop on Digital Forensics and Incident Analysis (WDFIA 2012)Handbook of Forensic Pathology, Second EditionDigital Forensics Processing and ProceduresArchitectural ForensicsAnnual CatalogueForensic Pathology Reviews 5Mobile Phone Security and ForensicsCriminal and Environmental Soil ForensicsThe Complete Idiot's Guide to Forensics, 2EWho's who in Technology TodayEnCase Computer Forensics -- The Official EnCEForensics in Telecommunications, Information and MultimediaForensic Engineering FundamentalsMobile Phone Security and ForensicsEnvironmental ForensicsComputer Forensics InfoSec Pro GuideA Practical Guide to Computer Forensics InvestigationsHandbook of Research on Computational Forensics, Digital Crime, and Investigation: Methods and Solutions

Investigative Computer Forensics

Uncover a digital trail of e-evidence by using the helpful, easy-to-understand information in Computer Forensics For Dummies! Professional and armchair investigators alike can learn the basics of computer forensics, from digging out electronic evidence to solving the case. You won't need a computer science degree to master e-discovery. Find and filter data in mobile devices, e-mail, and other Web-based technologies. You'll learn all about e-mail and Web-based forensics, mobile forensics, passwords and encryption, and other e-evidence found through VoIP, voicemail, legacy mainframes, and databases. You'll discover how to use the latest forensic software, tools, and equipment to find the answers that you're looking for in record time. When you understand how data is stored, encrypted, and recovered, you'll be able to protect your personal privacy as well. By the time you finish reading this book, you'll know how to: Prepare for and conduct computer forensics investigations Find and filter data Protect personal privacy Transfer evidence without contaminating it Anticipate legal loopholes and opponents' methods Handle passwords and encrypted data Work with the courts and win the case Plus, Computer Forensics for Dummies includes lists of things that everyone interested in computer forensics should know, do, and build. Discover how to get qualified for a career in computer forensics, what to do to be a great investigator and expert witness, and how to build a forensics lab or toolkit. Note: CD-ROM/DVD and other supplementary materials are

not included as part of eBook file.

IWBF

Forensic engineers often specialize in a particular area such as structures, fires, or accident reconstruction. However, the nature of the work often requires broad knowledge in the interrelated areas of physics, chemistry, biomechanics, and engineering. Covering cases as varied as assessment of workplace accidents to the investigation of Halliburt

Computational Intelligence in Digital Forensics: Forensic Investigation and Applications

Who's who in Technology Today: The expertise index

PBX Security and Forensics presents readers with theoretical and practical background for Private Branch Exchanges (PBXs). PBX is privately owned equipment that serve the communication needs of a private or public entity making connections among internal telephones and linking them to other users in the Public Switched Telephone Network (PSTN). Targeted damages and attacks in PBXs can cause significant instability and problems. The author provides examples of these threats and how to prevent against such attacks in the future. Readers will also be shown where to find forensics data and how to conduct relevant analysis.

Electrical Fire Analysis

In this new volume of the globally recognized Forensic Pathology Reviews, Dr. Michael Tsokos has gathered chapters from the top experts in the field to reveal both the applied and scientific areas of expertise along the broad spectrum of forensics studies. Volume 5 piques the mind as leading forensic pathologists from the United States and around the world offer advanced insight into death caused environmental conditions, trauma, neuropathology, natural causes, and ballistics. The authors of this volume further their exploration as they impart research related to identification, serial murder, histopathology, and age estimation. While unveiling unsurpassed and cutting-edge knowledge, Forensic Pathology Reviews, Volume 5 will also inspire emerging forensic scientists to immerse themselves in innovative research.

Computer Forensics

Peterson's Graduate Programs in Ocean Engineering, Paper & Textile Engineering, and Telecommunications 2011

Peterson's Graduate Programs in Ocean Engineering, Paper & Textile Engineering, and Telecommunications contains a wealth of information on colleges and universities that offer graduate degrees in these fields. The profiled institutions include those in the United States, Canada, and abroad that are accredited by U.S. accrediting bodies. Up-to-date data, collected through Peterson's Annual Survey of Graduate and Professional Institutions, provides valuable information on degree offerings, professional accreditation, jointly offered degrees, part-time and evening/weekend programs, postbaccalaureate distance degrees, faculty, students, degree requirements, entrance requirements, expenses, financial support, faculty research, and unit head and application contact information. Readers will find helpful links to in-depth descriptions that offer additional detailed information about a specific program or department, faculty members and their research, and much more. In addition, there are valuable articles on financial assistance, the graduate admissions process, advice for international and minority students, and facts about accreditation, with a current list of accrediting agencies.

Annual Catalogue of the University of Kansas

"This updated and expanded third edition continues the theme of the second edition of providing extensive research findings in all types of electrical fires. This book describes in a practical and easy-to-understand manner the patterns of electrical fires which make it easier to determine where an electrical fire started. Specific topics include: (1) the general background and essential elements of fire initiation; (2) codes and standards, testing laboratories approval, non-electrical fires, arc mapping and V-patterns; (3) disassembly of equipment, nameplates, equipment misuse, abuse, and repair; (4) the gathering, preserving, and shipping of evidence, keeping records; (5) common clues, melting points, and insulation degradation; (6) common components, moveable contacts, switches and relays, circuit breakers and panels, conduit joints, heating elements; (7) appliances, wall outlets and switches, light bulbs, reversed polarity; (8) arson, telephones and answering machines, igniters, debris inspection; (9) reports, depositions and trials, report purpose and appearances; (10) fire initiation and spread, space heaters, wires, and other heat-producing mechanisms; (11) fire characteristics and general precautions; (12) electrical systems and grounds, general wiring; (13) photography and camera features; (14) electrical circuits and waves; and (15) electrical power equipment, transformers, generators, rectifiers, and motors. This book is an excellent resource not only for arson investigators but for attorneys, the insurance industry, and manufacturers who are concerned with electronic reliability."--pub. desc.

Windows Registry Forensics

Successfully Conduct and Report on Any Architectural Forensic Investigation Architectural Forensics clearly defines the role, responsibilities, and essential work of forensic architects. This unique resource offers comprehensive coverage of building defects and failures, types of failure mechanisms, and job-critical tasks such as fieldwork, lab testing, formulating opinions, and providing expert testimony. Packed with 300 illustrations, in-depth case studies, and numerous sample documents, this vital reference takes you step-by-step through every phase of conducting investigationsdiagnosing building failures preventing and curing building defectsand reporting on findings. The book also includes strategies for avoiding liability and resolving disputes-potentially saving vast amounts of time and money. Authoritative and up-to-date, Architectural Forensics Features: • Full details on conducting investigations and reporting on architectural forensics • Clear guidance on preventing and curing building defects and failures • In-depth coverage of field work, photogrammetry, and lab testing • Practical insights into litigation, dispute resolution, and expert testimony • Solid business advice on presentation methods, marketing, and setting up an office and website

Guide to Computer Forensics and Investigations

This book constitutes the thoroughly refereed post-conference proceedings of the Third International ICST Conference on Forensic Applications and Techniques in Telecommunications, Information and Multimedia, E-Forensics 2010, held in Shanghai, China, in November 2010. The 32 revised full papers presented were carefully reviewed and selected from 42 submissions in total. These, along with 5 papers from a collocated workshop of E-Forensics Law, cover a wide range of topics including digital evidence handling, data carving, records tracing, device forensics, data tamper identification, and mobile device locating.

Forensic Radio Survey Techniques for Cell Site Analysis

"This book provides a media for advancing research and the development of theory and practice of digital crime prevention and forensics, embracing a broad range of digital crime and forensics disciplines"--Provided by publisher.

Essential Forensic Pathology

Photographic imagery has come a long way from the pinhole cameras of the nineteenth century. Digital imagery, and its applications, develops in tandem with contemporary society's sophisticated literacy of this subtle medium. This book examines the ways in which digital images have become ever more ubiquitous as legal and medical evidence, just as they have become our primary source of news and have replaced paper-based financial documentation. Crucially, the contributions also analyze the very profound problems which have arisen alongside the digital image, issues of veracity and

progeny that demand systematic and detailed response: It looks real, but is it? What camera captured it? Has it been doctored or subtly altered? Attempting to provide answers to these slippery issues, the book covers how digital images are created, processed and stored before moving on to set out the latest techniques for forensically examining images, and finally addressing practical issues such as courtroom admissibility. In an environment where even novice users can alter digital media, this authoritative publication will do much so stabilize public trust in these real, yet vastly flexible, images of the world around us.

Digital Forensics for Network, Internet, and Cloud Computing

Hands-on labs to reinforce critical skills --

Environmental Forensics

A.B.C.'s of Behavioral Forensics

A Practical Guide to Computer Forensics Investigations introduces the newest technologies along with detailed information on how the evidence contained on these devices should be analyzed. Packed with practical, hands-on activities, students will learn unique subjects from chapters including Mac Forensics, Mobile Forensics, Cyberbullying, and Child Endangerment. This well-developed book will prepare students for the rapidly-growing field of computer forensics for a career with law enforcement, accounting firms, banks and credit card companies, private investigation companies, or government agencies.

Forensics and Applied Science Experiments

Get practical insights on the psychology of white-collar criminals—and how to outsmart them Understand how the psychologies of fraudsters and their victims interact as well as what makes auditors/investigators/regulators let down their guard. Learn about the psychology of fraud victims, including boards of directors and senior management, and what makes them want to believe fraudsters, and therefore making them particularly vulnerable to deception. Just as IT experts gave us computer forensics, we now have a uniquely qualified team immersed in psychology, sociology, psychiatry as well as accounting and auditing, introducing the emerging field of behavioral forensics to address the phenomenon of fraud. Ever wonder what makes a white-collar criminal tick? Why does she or he do what they do? For the first time ever, see the mind of the fraudster laid bare, including their sometimes twisted rationalizations; think like a crook to catch a crook! The A.B.C.'s

of Behavioral Forensics takes you there, with expert advice from a diverse but highly specialized authoring team of professionals (three out of the four are Certified Fraud Examiners): a former accounting firm partner who has a PhD in psychology, a former FBI special agent who has been with investigative practices of two of the Big Four firms, an industrial psychiatrist who has worked closely with the C-level suite of large and small companies, and an accounting professor who has interviewed numerous convicted felons. Along with a fascinating exploration of what makes people fall for the common and not-so-common swindles, the book provides a sweeping characterization of the ecology of fraud using The A.B.C.'s of Behavioral Forensics paradigm: the bad Apple (rogue executive), the bad Bushel (groups that collude and behave like gangs), and the bad Crop (representing organization-wide or even societally-sanctioned cultures that are toxic and corrosive). The book will make you take a longer look when hiring new employees and offers a deeper more complex understanding of what happens in organizations and in their people. The A.B.C. model will also help those inside and outside organizations inoculate against fraud and make you reflect on instilling the core values of your organization among your people and create a culture of excellence and integrity that acts as a prophylactic against fraud. Ultimately, you will discover that, used wisely, behavioral methods trump solely economic incentives. With business fraud on the rise globally, The A.B.C.'s of Behavioral Forensics is the must-have book for investigators, auditors, the C-suite and risk management professionals, the boards of directors, regulators, and HR professionals. Examines the psychology of fraud in a practical way, relating it to aspects of fraud prevention, deterrence, detection, and remediation Helps you understand that trust violation—the essence of fraud—is a betrayal of behavioral assumptions about "trusted" people Explains how good people go bad and how otherwise honest people cross the line Underscores the importance of creating a culture of excellence and integrity that inoculates an organization from fraud risk (i.e., honest behavior pays, while dishonesty is frowned upon) Provides key takeaways on what to look for when hiring new employees and in your current employees, as well as creating and maintaining a culture of control consciousness Includes narrative accounts of interviews with convicted white-collar criminals, as well as interpretive insights and analysis of their rationalizations Furnishes ideas about how to enhance professional skepticism, how to resist fraudsters, how to see through their schemes, how to infuse internal controls with the people/behavioral element, and make them more effective in addressing behav

PBX Security and Forensics

Computer Forensics For Dummies

Mobile Phone Security and Forensics provides both theoretical and practical background of security and forensics for mobile phones. Security and secrets of mobile phones will be discussed such as software and hardware interception, fraud and other malicious techniques used "against" users will be analyzed. Readers will also learn where forensics data reside in the

mobile phone and the network and how to conduct a relevant analysis.

Para-Forensics

This new edition provides both theoretical and practical background of security and forensics for mobile phones. The author discusses confidentiality, integrity, and availability threats in mobile telephones to provide background for the rest of the book. Security and secrets of mobile phones are discussed including software and hardware interception, fraud and other malicious techniques used "against" users. The purpose of this book is to raise user awareness in regards to security and privacy threats present in the use of mobile phones while readers will also learn where forensics data reside in the mobile phone and the network and how to conduct a relevant analysis. The information on denial of service attacks has been thoroughly updated for the new edition. Also, a major addition to this edition is a section discussing software defined radio and open source tools for mobile phones.

Mastering Windows Network Forensics and Investigation

Digital Crime and Forensic Science in Cyberspace

An authoritative guide to investigating high-technologycrimes Internet crime is seemingly ever on the rise, making the needfor a comprehensive resource on how to investigate these crimeseven more dire. This professional-level book--aimed at lawenforcement personnel, prosecutors, and corporateinvestigators--provides you with the training you need in order toacquire the sophisticated skills and software solutions to stay onestep ahead of computer criminals. Specifies the techniques needed to investigate, analyze, anddocument a criminal act on a Windows computer or network Places a special emphasis on how to thoroughly investigatecriminal activity and now just perform the initial response Walks you through ways to present technically complicatedmaterial in simple terms that will hold up in court Features content fully updated for Windows Server 2008 R2 andWindows 7 Covers the emerging field of Windows Mobile forensics Also included is a classroom support package to ensure academicadoption, Mastering Windows Network Forensics and Investigation,2nd Edition offers help for investigating high-technologycrimes.

Digital Image Forensics

Windows Registry Forensics provides the background of the Windows Registry to help develop an understanding of the binary structure of Registry hive files. Approaches to live response and analysis are included, and tools and techniques for

postmortem analysis are discussed at length. Tools and techniques are presented that take the student and analyst beyond the current use of viewers and into real analysis of data contained in the Registry, demonstrating the forensic value of the Registry. Named a 2011 Best Digital Forensics Book by InfoSec Reviews, this book is packed with real-world examples using freely available open source tools. It also includes case studies and a CD containing code and author-created tools discussed in the book. This book will appeal to computer forensic and incident response professionals, including federal government and commercial/private sector contractors, consultants, etc. Named a 2011 Best Digital Forensics Book by InfoSec Reviews Packed with real-world examples using freely available open source tools Deep explanation and understanding of the Windows Registry – the most difficult part of Windows to analyze forensically Includes a CD containing code and author-created tools discussed in the book

Proceedings of the Seventh International Workshop on Digital Forensics and Incident Analysis (WDFIA 2012)

Learners will master the skills necessary to launch and complete a successful computer investigation with the updated fourth edition of this popular book, GUIDE TO COMPUTER FORENSICS AND INVESTIGATIONS. This resource guides readers through conducting a high-tech investigation, from acquiring digital evidence to reporting its findings. Updated coverage includes new software and technologies as well as up-to-date reference sections. Learn how to set up a forensics lab, how to acquire the proper and necessary tools, and how to conduct the investigation and subsequent digital analysis. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Handbook of Forensic Pathology, Second Edition

Digital Forensics Processing and Procedures

Soils have important roles to play in criminal and environmental forensic science. Since the initial concept of using soil in forensic investigations was mooted by Conan Doyle in his Sherlock Holmes stories prior to real-world applications, this branch of forensic science has become increasingly sophisticated and broad. New techniques in chemical, physical, biological, ecological and spatial analysis, coupled with informatics, are being applied to reducing areas of search by investigators, site identification, site comparison and measurement for the eventual use as evidence in court. Soils can provide intelligence, in assisting the determination of the provenance of samples from artifacts, victims or suspects, enabling their linkage to locations or other evidence. They also modulate change in surface or buried cadavers and hence

affect the ability to estimate post-mortem or post-burial intervals, and locate clandestine graves. This interdisciplinary volume explores the conceptual and practical interplay of soil and geoforensics across the scientific, investigative and legal fields. Supported by reviews, case-studies from across the world, and reports of original research, it demonstrates the increasing convergence of a wide range of knowledge. It covers conceptual issues, evidence (from recovery to use in court), geoforensics, taphonomy, as well as leading-edge technologies. The application of the resultant soil forensics toolbox is leading to significant advances in improving crime detection, and environmental and national security.

Architectural Forensics

Annual Catalogue

Get a clue about the most vital components of criminal investigation. This new edition offers the most up-do-date scientific investigation methods used by today's law enforcement agencies, including criminal profiling, lie detector technology, and DNA analyses, with an emphasis on forensic pathology, anthropology, and psychology. -Guy Antinozzi is a veteran police officer and detective who teaches in the field -Focuses on the use of forensics in criminal investigations instead of academic and theoretical criminology

Forensic Pathology Reviews 5

Para-Forensics is ""The Paranormal Forensic Study of Crime Scene Residuals and Missing Person Detection through a Supernatural Methodology."" In other words the methodology assists law enforcement in the study, documentation, and reporting of residual and intelligent paranormal leads that will possibly open cold cases or solve crimes and/or locate missing individuals. This book will help bridge that gap between ghost research and forensic studies into residual activity at a crime scene or in search of a missing person. We will dive into the protocol, the techniques of bringing forth possible leads that help collaborate cases, and my experience in both realms to combine as one. Do you have what it takes to be a Para-Forensics Investigator?

Mobile Phone Security and Forensics

Would your company be prepared in the event of: * Computer-driven espionage * A devastating virus attack * A hacker's unauthorized access * A breach of data security? As the sophistication of computer technology has grown, so has the rate of computer-related criminal activity. Subsequently, American corporations now lose billions of dollars a year to hacking,

identity theft, and other computer attacks. More than ever, businesses and professionals responsible for the critical data of countless customers and employees need to anticipate and safeguard against computer intruders and attacks. The first book to successfully speak to the nontechnical professional in the fields of business and law on the topic of computer crime, Computer Forensics: An Essential Guide for Accountants, Lawyers, and Managers provides valuable advice on the hidden difficulties that can blindside companies and result in damaging costs. Written by industry expert Michael Sheetz, this important book provides readers with an honest look at the computer crimes that can annoy, interrupt--and devastate--a business. Readers are equipped not only with a solid understanding of how computers facilitate fraud and financial crime, but also how computers can be used to investigate, prosecute, and prevent these crimes. If you want to know how to protect your company from computer crimes but have a limited technical background, this book is for you. Get Computer Forensics: An Essential Guide for Accountants, Lawyers, and Managers and get prepared.

Criminal and Environmental Soil Forensics

Computational Intelligence techniques have been widely explored in various domains including forensics. Analysis in forensic encompasses the study of pattern analysis that answer the question of interest in security, medical, legal, genetic studies and etc. However, forensic analysis is usually performed through experiments in lab which is expensive both in cost and time. Therefore, this book seeks to explore the progress and advancement of computational intelligence technique in different focus areas of forensic studies. This aims to build stronger connection between computer scientists and forensic field experts. This book, Computational Intelligence in Digital Forensics: Forensic Investigation and Applications, is the first volume in the Intelligent Systems Reference Library series. The book presents original research results and innovative applications of computational intelligence in digital forensics. This edited volume contains seventeen chapters and presents the latest state-of-the-art advancement of Computational Intelligence in Digital Forensics; in both theoretical and application papers related to novel discovery in intelligent forensics. The chapters are further organized into three sections: (1) Introduction, (2) Forensic Discovery and Investigation, which discusses the computational intelligence technologies employed in Digital Forensic, and (3) Intelligent Forensic Science Applications, which encompasses the applications of computational intelligence in Digital Forensic, such as human anthropology, human biometrics, human by products, drugs, and electronic devices.

The Complete Idiot's Guide to Forensics, 2E

This professionally edited and well organized book is the first in a series which will archive key presentations from the annual conferences sponsored by the Society of Environmental Forensics.

Who's who in Technology Today

This is the first digital forensics book that covers the complete lifecycle of digital evidence and the chain of custody. This comprehensive handbook includes international procedures, best practices, compliance, and a companion web site with downloadable forms. Written by world-renowned digital forensics experts, this book is a must for any digital forensics lab. It provides anyone who handles digital evidence with a guide to proper procedure throughout the chain of custody--from incident response through analysis in the lab. A step-by-step guide to designing, building and using a digital forensics lab A comprehensive guide for all roles in a digital forensics laboratory Based on international standards and certifications

EnCase Computer Forensics -- The Official EnCE

Security Smarts for the Self-Guided IT Professional Find out how to excel in the field of computer forensics investigations. Learn what it takes to transition from an IT professional to a computer forensic examiner in the private sector. Written by a Certified Information Systems Security Professional, Computer Forensics: InfoSec Pro Guide is filled with real-world case studies that demonstrate the concepts covered in the book. You'll learn how to set up a forensics lab, select hardware and software, choose forensic imaging procedures, test your tools, capture evidence from different sources, follow a sound investigative process, safely store evidence, and verify your findings. Best practices for documenting your results, preparing reports, and presenting evidence in court are also covered in this detailed resource. Computer Forensics: InfoSec Pro Guide features: Lingo—Common security terms defined so that you're in the know on the job IMHO—Frank and relevant opinions based on the author's years of industry experience Budget Note—Tips for getting security technologies and processes into your organization's budget In Actual Practice—Exceptions to the rules of security explained in real-world contexts Your Plan—Customizable checklists you can use on the job now Into Action—Tips on how, why, and when to apply new skills and techniques at work

Forensics in Telecommunications, Information and Multimedia

Offering state-of-the-art techniques for both attorneys and environmental scientists, Environmental Forensics: Principles and Applications discusses non-chemical methods such as corrosion modeling, inventory reconciliation, and aerial photography interpretation. The book also covers chemical fingerprinting used to identify the origin and age of a contaminant release- relevant techniques include the use of radioactive isotope analysis, degradation modeling based on half-lives, and fuel additives such as MTBE. Environmental Forensics provides case study examples of environmental trial exhibits. It covers misused techniques that can bias the scientific validity of a trial exhibit, such as scale exaggeration, use of statistical manipulation, data contouring, and selective presentation. Detailed information is provided for identifying and

interpreting those portions of environmental reports that are "target rich" sources of scientific biases. These include the identification of false positive, false negative and the intentional manipulation of environmental data that occurs primarily in the sample collection process.

Forensic Engineering Fundamentals

A myriad of different scenarios await those entering the field of forensic pathology, ranging from gunshot wounds to asphyxiation to explosives to death from addiction. Essential Forensic Pathology: Core Studies and Exercises helps prepare pathologists in training by establishing what they must know about the most common death scenes they will enco

Mobile Phone Security and Forensics

This book is intended to be used as both a text book and as an aidememoire handbook by forensic radio survey engineers, particularlythose working for official police agencies. The book provides asimple but detailed overview of the operation of cellular networks(GSM, UMTS and LTE, US CDMAOne/CDMA2000, amongst others). Inaddition, the author also provides an overview of the technicaltheories that underpin cellular radio systems – basic radiotheory and a simple explanation of the mathematical concepts thatunderlie measurements scales such as dB and dBm. The main part ofthe book, however, focuses on radio surveys, the various types ofsurvey, the techniques employed for each survey and theconsiderations and potential problems that can be encountered whensurveying different types of network. The final section deals withprocessing and interpreting the results of radio surveys andexamines the information that can be gained from them.

Environmental Forensics

"Having worked with Erik on some of the most challenging computer forensic investigations during the early years of this industry's formation as well as having competed with him earnestly in the marketplaceI can truly say that Erik is one of the unique pioneers of computer forensic investigations. He not only can distill complex technical information into easily understandable concepts, but he always retained a long-term global perspective on the relevancy of our work and on the impact of the information revolution on the social and business structures of tomorrow." —From the Foreword by James Gordon, Managing Director, Navigant Consulting, Inc. Get the knowledge you need to make informed decisions throughout the computer forensic investigation process Investigative Computer Forensics zeroes in on a real need felt by lawyers, jurists, accountants, administrators, senior managers, and business executives around the globe: to understand the forensic investigation landscape before having an immediate and dire need for the services of a forensic investigator. Author Erik Laykin—leader and pioneer of computer forensic investigations—presents complex technical information in easily

understandable concepts, covering: A primer on computers and networks Computer forensic fundamentals Investigative fundamentals Objectives and challenges in investigative computer forensics E-discovery responsibilities The future of computer forensic investigations Get the knowledge you need to make tough decisions during an internal investigation or while engaging the capabilities of a computer forensic professional with the proven guidance found in Investigative Computer Forensics.

Computer Forensics InfoSec Pro Guide

Network forensics is an evolution of typical digital forensics, in which evidence is gathered from network traffic in near real time. This book will help security and forensics professionals as well as network administrators build a solid foundation of processes and controls to identify incidents and gather evidence from the network. Forensic scientists and investigators are some of the fastest growing jobs in the United States with over 70,000 individuals employed in 2008. Specifically in the area of cybercrime and digital forensics, the federal government is conducting a talent search for 10,000 qualified specialists. Almost every technology company has developed or is developing a cloud computing strategy. To cut costs, many companies are moving toward network-based applications like SalesForce.com, PeopleSoft, and HR Direct. Every day, we are moving companies' proprietary data into a cloud, which can be hosted anywhere in the world. These companies need to understand how to identify where their data is going and what they are sending. Key network forensics skills and tools are discussed-for example, capturing network traffic, using Snort for network-based forensics, using NetWitness Investigator for network traffic analysis, and deciphering TCP/IP. The current and future states of network forensics analysis tools are addressed. The admissibility of network-based traffic is covered as well as the typical life cycle of a network forensics investigation.

A Practical Guide to Computer Forensics Investigations

Handbook of Forensic Pathology, Second Edition is an up-to-date, concise manual illustrating all core aspects of modern forensic pathology. This edition retains the outline format of the original, which allows for quick access and rapid assimilation. Written in no-nonsense, easily understandable language, this precise and thorough yet compact resource contains extensively detailed entries from two of the nation's foremost authorities on gunshot wounds and forensic pathology. With numerous instructional charts and diagrams and color photographs, it organizes a wealth of instructional and immediately applicable information. Features of the second edition include a chapter on nursing home death, added information on gunshot residue, and research on tasers, pepper spray, and excited delirium syndrome. Introducing medicolegal casework and documentation, this book explains protocols for the collection and recovery of evidence and DNA analysis and lists factors used to determine time of death and identity of the deceased. It identifies the natural causes of

death in children and adults before devoting the remaining chapters to the myriad of non-natural causes including homicide, suicide, accidental, and undetermined. With meticulous detail and instant access to extensive information, this handbook is an indispensable tool for forensic pathologists, law enforcement, and legal personnel, as well as pathologists in training.

Handbook of Research on Computational Forensics, Digital Crime, and Investigation: Methods and Solutions

"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.

ROMANCE ACTION & ADVENTURE MYSTERY & THRILLER BIOGRAPHIES & HISTORY CHILDREN'S YOUNG ADULT FANTASY HISTORICAL FICTION HORROR LITERARY FICTION NON-FICTION SCIENCE FICTION