Crime scene reconstruction (CSR) is today's hot topic. The immense proliferation of television, print, and electronic media directed at this area has generated significant public interest, albeit occasionally encouraging inaccurate perceptions. Practical Crime Scene Analysis and Reconstruction bridges the gap between perception and reality, helping

Forensic Podiatry: Principles and Methods, Second Edition has been completely updated to reflect the latest developments and advancements in this changing field. New additions to the book, from the previous edition, include all new chapters on the expert witness, Frye Test, and Daubert Standard, as well as revised theories on gait analysis, bare footprint identification, and footwear examination. The new edition includes extensive case studies and an international compilation of current best practices. Since this text's first publication, the field of forensic podiatry has rapidly developed from relative obscurity to a dynamic, internationally recognized discipline. Forensic podiatrists have been able to advance improvements in the field, both in widening the range of applications and deepening the practice through improved techniques to strengthen evidentiary conclusions. Written by two pioneers in the field, Forensic Podiatry includes over one hundred detailed illustrations to serve as an invaluable resource for students, practicing forensic podiatrists, legal professionals and those new to the profession.

Reviewed and recognized as the most authoritative source in the field, this book describes the methods used worldwide to recover and identify footwear impressions from the scene of a crime. In this new edition, everything, including the original twelve chapters, bibliography, appendix, etc., has been clarified, updated and expanded. This edition includes updated and new information on recovery procedures and materials such as lifting, photography and casting; chemical enhancement; updated information about footwear manufacturing; footwear sizing; and known impression techniques and materials. WHAT'S NEW IN THE SECOND EDITION: Besides updating and expanding the twelve original chapters, Footwear Impression Evidence: Detection, Recovery and Examination, Second Edition adds three new chapters: one chapter on barefoot evidence, which concerns impressions made by the naked or sock-clad foot or those which remain in abandoned or discarded footwear; another new chapter on several cases in which the footwear impression evidence was of primary importance in bringing about a conviction or confession; and finally, a new chapter on the footwear impression evidence in the O.J. Simpson criminal and civil cases.

Terrorists constantly present new challenges to law enforcement, emergency response teams, security planners, and others involved in counterterrorism. Since the last edition of this volume was published, additional atrocities have occurred and new threats have surfaced. The fourth edition of The Counterterrorism Handbook: Tactics, Procedures, and Techniques provides the latest developments and offers new insights on the War on Terror. Updated to reflect an increased focus on terrorism in public transportation, this volume provides an understanding of the strategies, tactics, and techniques required to tackle terrorism as it exists today. It illustrates essential topics such as the elements common to all terrorism, bomb threats, risk assessment, hostages, and weapons of mass destruction. It also presents case studies of some of the most notorious terrorist incidents, including both World Trade Center attacks, Oklahoma City, Centennial Olympic Park, the U.S. Embassy, the U.S.S. Cole, and attacks in Madrid, London, and Glasgow. The only way to effectively deal with terrorism is to have a thorough understanding of its present-day characteristics — who is involved and what weapons and tactics they are likely to use. In language friendly to first responders, this volume presents a comprehensive strategy of how to deal with a whole gamut of possible terrorist incidents. Covering everything from bombings and hostage-taking to nuclear terrorism, the book describes in specific detail what needs to be done before, during, and after an event. Armed with this information, those charged with protecting the public will be better equipped to face myriad threats.

Imaging for Forensics and Security: From Theory to Practice provides a detailed analysis of new imaging and pattern recognition techniques for the understanding and deployment of biometrics and forensic techniques as practical solutions to increase security. It contains a collection of the recent advances in the technology ranging from theory, design, and implementation to performance evaluation of biometric and forensic systems. This book also contains new methods such as the multiscale approach, directional filter bank, and wavelet maxima for the development of practical solutions to biometric problems. The book introduces a new forensic system based on shoeprint imagery with advanced techniques for use in forensics applications. It also presents the
concept of protecting the originality of biometric images stored in databases against intentional and unintentional attacks and fraud detection data in order to further increase the security.

Well-documented scenes can prove to be invaluable pieces of evidence at trial, and the ability to take compelling photographs is a critical skill for forensic scientists and investigators. Practical Forensic Digital Imaging: Applications and Techniques is an up-to-date and thorough treatment of digital imaging in the forensic sciences. Balancing practical considerations with scientific and standards-based requirements, the book’s clear, concise presentation illustrates the essentials of digital imaging required by professionals in the field. Enhanced with crisp color photos, the book covers a host of critical topics, including: The fundamentals of photographing crime scenes The history of photography and the transition to digital imaging Digital camera hardware and photographic techniques Light, filters, and macro/micro imaging Lay, professional, and expert witnesses, and the implications of Frye and Daubert Enhancement of images and digital panoramic camera scanning Storage of digital media Ultraviolet and infrared imaging Digital photo imaging microscopes Covering the full range of scenarios that forensic professionals encounter, the author includes special sections dedicated to photography involving footwear and tire impressions, vehicles, death and morgue scenes, and taphonomic and entomological imaging, as well as fingerprints, burglaries, fire and arson, sex offenses, blood, and trace evidence and microscopy. The techniques in this volume enable photographers to capture the images that will not only tell the story, but will also stand up in court. Watch Patrick Jones in his laboratory on the CRC Press YouTube channel.

Now in its Third Edition, Practical Bomb Scene Investigation explores the investigative process that improvised explosive device (IED) specialists undertake at the scene of an explosion. Providing easy-to-understand, step-by-step procedures for managing and processing a bomb scene, it enables investigators to find the evidence and then make sense of what is found. The book is not only a roadmap on how to find and collect evidence and assess the scene, but also provides instruction on identifying the bombmaker's signature through latent print, DNA, explosive residue, metallurgical, and toolmark examination and forensic analysis.

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Forensic Gait Analysis examines the inter-section of podiatric medicine with forensic investigation—that which links or dissociates a suspect to a crime through analysis of their gait, that is their movement—how an individual walks, runs, and bends. This book provides a concise explanation of how an individual's gait and biomechanics are forensically analysed and compared, using video imagery in the process of human identification and investigations. Along with the presentation and delivery of material with case references illustrating the use of expert evidence. Gait analysis is a long-standing component of the diagnostic and therapeutic tool set of medical disciplines, although the knowledge goes back much further. The area has also captured the interest of technology engineers and others, as the development and use of forensic gait analysis as an investigative and evidential device continues to widen. Features: • Presents succinct knowledge on forensic gait analysis. • 100+ illustrations with photographs and diagrams; over 850 references. • Considers the technical and scientific basis of the field including, the history of gait, musculoskeletal, neurology, emotions and gait, forensic statistics, photogrammetry, and recognises the trajectory of development into IT and software solutions. • Coverage on CCTV imagery and other video footage for use in the process of identification and investigations. • Details are provided on report writing and giving expert evidence in the legal systems. • Contributors across all subject areas. This definitive fully referenced text on Forensic Gait Analysis is a welcome publication for healthcare professionals, lawyers, counsel, investigators, forensic practitioners, and students wishing to know more on the subject and this growing domain.

Autoerotic Deaths: Practical Forensic and Investigative Perspectives is a collaboration between two internationally known experts who combine their extensive experience to present a scientific, modern view of autoerotic death complete with a wide variety of exquisite case histories, photographs, and investigator tips.Chief Medical Examiner Anny Sau

The use of informants has been described as the “black hole of law enforcement.” Failures in the training of police officers and federal agents in the recruitment and operation of informants has undermined costly long-term investigations, destroyed the careers of prosecutors and law enforcement officers, and caused death and serious injuries to inn

Practical Analysis and Reconstruction of Shooting Incidents, Second Edition presents a holistic approach to shooting incident analysis and reconstruction, covering the entire spectrum of related sub-disciplines of forensic science. The book reviews basic firearm design and function, ammunition components, and terminology, explaining what constitute

Remember: Do it right the first time. You only get one chance.Vernon J. Geberth, M.S., M.P.S., 1980, Homicide and Forensic Consultant, Author of Practical Homicide Investigation, and the Series Editor of Practical Aspects of Criminal and Forensic Investigations.In Practical Homicide Investigation, renowned author and investigator Vernon J. Geberth

The threat variables associated with military ordnance are enormous, requiring the application of a structured process to identify unknown munitions. The focus of Practical Military Ordnance Identification is the application of a practical deductive process to identify unknown ordnance items that are commonly recovered outside military control. The author supplies a seven-step procedure to identify unknown munitions by their category, group, and type. Detailed logic trees help users narrow down the possibilities in order to accurately identify ordnance. The book covers the safety precautions associated with each category and
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group of ordnance. It describes many ordnance construction characteristics and explains the fundamentals of military ordnance fuzing. Appendices define terms and supply abbreviations and acronyms used to describe military ordnances. For any queries please contact the author at tgersbeck@2ig-llc.com.

U.S. Justice Department statistics indicate that only 26 percent of all rapes or attempted rapes are reported to law enforcement officials, and only slightly more than half of these result in the arrest of a suspect. Part of the problem lies in the public’s lack of faith in the criminal justice system’s ability to effectively deal with rape, victims, and the offenders. Practical Aspects of Rape Investigation: A Multidisciplinary Approach, Fourth Edition presents several new research findings and forensic techniques which enable agencies to overcome past impediments to successful intervention and prosecution. This revision of the perennial bestseller adds several new chapters and expertly advances the state of knowledge for police, health professionals, rape crisis staffs, and other criminal justice professionals. The book begins with a focus on the victim and reviews contemporary issues in the field of sexual violence, discusses the impact of sexual assault on the victim, and outlines victim care services. Then, from an investigative perspective, the book examines the relevance of fantasy, impulsive and ritualistic behavior, the personality of the offender, victim and offender interviews, geographic profiling, false allegations, and false confessions. A discussion of forensics and the court includes topics on collection of evidence, medical examinations and treatment, and trial preparation issues. Lastly, the book examines special populations with sections on pedophiles, female and juvenile offenders, drug-facilitated rape, sexual sadism, abuse of the elderly, and the timely topic of educator misconduct. This work was compiled by former FBI Agent Robert R. “Roy” Hazelwood and Ann Wolbert Burgess, Professor of Psychiatric Nursing at Boston College. The comprehensive text they have assembled is the definitive resource for those who must contend with the crimes of rape and other sexual assaults.

This specially developed workbook can be used in conjunction with the Complete Crime Scene Investigation Handbook (ISBN: 978-1-4987-0144-0) in group training environments, or for individuals looking for independent, step-by-step self-study guide. It presents an abridged version of the Handbook, supplying both students and professionals with the most critical points and extensive hands-on exercises for skill enhancement. Filled with more than 350 full-color images, the Complete Crime Scene Investigation Workbook walks readers through self-tests and exercises they can perform to practice and improve their documentation, collection, and processing techniques. Most experienced crime scene investigators will tell you that it is virtually impossible to be an expert in every aspect of crime scene investigations. If you begin to “specialize” too soon, you risk not becoming a well-rounded crime scene investigator. Establishing a complete foundation to the topic, the exercises in this workbook reinforce the concepts presented in the Handbook with a practical, real-world application. As a crime scene investigator, reports need to be more descriptive than they are at the patrol officer level. This workbook provides a range of scenarios around which to coordinate multiple exercises and lab examples, and space is provided to write descriptions of observations. The book also supplies step-by-step, fully illustrative photographs of crime scene procedures, protocols, and evidence collection and testing techniques. This lab exercise workbook is ideal for use in conjunction with the Handbook, both in group training settings, as well as a stand-alone workbook for individuals looking for hands-on self-study. It is a must-have resource for crime scene technicians, investigators, and professionals who want a complete manual of crime scene collection and processing techniques.

Forensic work demands a broad range of skills, including the ability to observe & record, to communicate, to work in a team, as well as training in chemistry, biology, physics & relevant areas of the law. This text aims to offer students support & guidance.

MEDICOLEGAL INVESTIGATION OF DEATH, known as the "bible" of forensic pathology, is now in its thirty-third year of publication. This book has been completely rewritten, updated, expanded and improved. It embraces all aspects of the pathology of trauma as it is witnessed daily by law enforcement officers, interpreted by pathologists of varying experience and expertise in forensic pathology, and used by lawyers involved in the prosecution and defense in criminal cases as well as those engaged in civil litigation. This authoritative and complete text is written by some of the most respected experts in the United States. The table of contents reads as follows: History of Forensic Pathology and Related Laboratory Sciences; Crime Scene; Time of Death and Changes After Death; Identification of Human Remains; Forensic Anthropology; Forensic Odontology; Sudden and Unexpected Death from Natural Causes in Adults; Investigation of Deaths in Childhood; Trauma and Disease; Blunt Force Injury; Sharp Force Injury; Injury by Gunfire; Thermal Injuries; Asphyxia; Investigation of Bodies in Water; Electrical and Lightning Injuries; The Road Traffic Victim; Medicolegal Investigation of Mass Disasters; Trauma of the Nervous System; Microscopic Forensic Pathology; Forensic Autopsy; Investigation of Forensic Aspects of Alcohol and Drug Abuse; Forensic Aspects of Medicolegal Death Investigation; and Selected Procedures at Autopsy. Multiple new chapters on trace evidence, the crime scene, exhumation, forensic anthropology, radiology, DNA and photography by nationally and internationally renowned experts have been added to make this revised edition an all-encompassing state-of-the-art text for anyone interested in studying mechanisms of injuries and the wider spectrum of the forensic sciences. With over 1,400 photographic illustrations and diagrams in this clear and comprehensive text, this atlas leaves little to the imagination. The continued use of simple, non-technical terminology makes this book a truly unique treatise and source of information.

Written by the nation's foremost authority on gunshot wounds and forensic techniques as they relate to firearm injuries, this third edition of a bestseller provides critical updates to information on gunshot wounds and the various weapons and ammunition used to inflict them. The book describes practical aspects of ballistics, wound ballistics, and the classification of various wounds caused by handguns, rifles, and shotguns. It also explains autopsy techniques and procedures and laboratory analyses relating to weapons and gunshot evidence. A much-needed update after nearly 20 years, the third edition of Gunshot Wounds provides the latest and most thorough information on firearms and best practices for examining firearm-related wounds.

A thumb print left at the scene of a grisly murder. Fingerprints taken from a getaway car used in a bank robbery. A palm print discovered from the shattered glass door of a burglarized home. Indeed, where crimes are committed, careless perpetrators will invariably leave behind the critical pieces of evidence—most likely in the form of fingerprints—needed to catch and convict them. But the science of fingerprint identification isn't always as cut and dry as detective novels and movies make it out to be. Quantitative-Qualitative Friction Ridge Analysis, a new book in the ongoing Practical Aspects of Criminal and Forensic Investigations series, examines the latest methods and techniques in the science of friction ridge identification, or ridgeology. David R. Ashbaugh examines every facet of the discipline, from the history of friction ridge identification and its earliest pioneers
and researchers, to the scientific basis and the various steps of the identification process. The structure and growth of friction skin and how it can leave latent or visible prints are examined, as well as advanced identification methods in ridgeology, including Poroscopy, Edgeoscopy, Pressure Distortion and Complex or Problem Print Analysis. The book, which features several detailed illustrations and photographs, also includes a new method for Paimar Flexion Crease Identification (palms lines) designed by the author and which has helped solve several criminal cases where fingerprints were not available. For crime scene technicians, forensic identification specialists, or anyone else pursuing a career in forensic science, this book is arguably the definitive source in the science of friction ridge identification.

Forensic professionals, particularly medical examiners—often working through heavy caseloads—require quick and easy access to reliable sources of information to help interpret toxicology results. While several in-depth resources are available, they are often large, cumbersome, and contain more information than is often needed. The Handbook of Forensic Toxicology for Medical Examiners is a concise handbook referencing the most common toxic substances and their reported non-toxic, toxic, and lethal concentrations, making it an ideal text for quick reference in the lab or autopsy room. Features of the Second Edition: Explains the principles of postmortem toxicology and the factors which must be considered Provides tables of toxicologic data for over 200 commonly encountered substances, including drugs of abuse, poisons, prescription drugs, and over-the-counter medications. Includes discussion and description of the novel psychoactive drugs—including synthetic opioids, cannabinoids, stimulants and hallucinogens Supplemental appendices provide additional information regarding specimen types and selection, testing methodologies, normal laboratory values, and conversion charts. The busy forensic professional needs a concise handbook that provides critical information quickly and accurately. This heavily referenced text offers an easy-to-use format allowing for rapid access for both routine daily use and preparation for courtroom testimony.

The utilization of footwear impression evidence continues to evolve with new materials, equipment and techniques, providing an increased ability to detect, record, enhance, and examine this form of evidence. Recently developed technology now allows investigators to more efficiently or, in some cases, instantly link multiple crime scenes where impressions have been produced by the same perpetrator. Forensic Footwear Evidence covers a wide range of relevant topics, including historical references, general information about the formation and investigative use of footwear impressions, and the best practices and considerations that apply to the recovery, enhancement, and examination of this evidence. Drawing on the author’s 44 years of acquired knowledge and experience, it is the most comprehensive and authoritative text published to date on this topic. Highlighted topics covered within the book include Three chapters covering footwear manufacturing Shoe grading, sizing, and the forensic application of sizing information Examination and reporting procedures Casting impressions in snow Barefoot evidence Topics of interest for both prosecution and defense attorneys The book includes more than 300 color photographs and illustrations throughout, as well as case examples that apply theoretical concepts to the real world. A single, complete reference on the subject, Forensic Footwear Evidence presents a wide range wealth of information that will serve as an invaluable reference to novice and experienced examiners, crime scene technicians, investigators, and prosecution and defense counselors alike.

Now in its second edition, Forensic DNA Evidence Interpretation is the most comprehensive resource for DNA casework available today. Written by leaders in the fields of biology and statistics, including a contribution from Peter Gill, the father of DNA analysis, the book emphasizes the interpretation of test results and provides the necessary formulae in an easily accessible manner. This latest edition is fully updated and includes current and emerging techniques in this fast-moving field. The book begins by reviewing all pertinent biology, and then provides information on every aspect of DNA analysis. This includes modern interpretation methods and contemporary population genetic models available for estimating DNA frequencies or likelihood ratios. Following a chapter on procedures for validating databases, the text presents overviews and performance assessments of both modern sampling uncertainty methods and current paternity testing techniques, including new guidelines on paternity testing in alignment with the International Society for Forensic Genetics. Later chapters discuss the latest methods for mixture analysis, LCN (ultra trace) analysis and non-autosomal (mito, X, and Y) DNA analysis. The text concludes with an overview of procedures for database critical identification and identification from DNA intelligence databases. Highlights of the second edition include: New information about PCR processes, heterozygote balance and back and forward stuttering New information on the interpretation of low template DNA, drop models and continuous models Additional coverage of lineage marker subpopulation effects, mixtures and combinations with autosomal markers This authoritative book provides a link among the biological, forensic, and interpretative domains of the DNA profiling field. It continues to serve as an invaluable resource that allows forensic scientists, technicians, molecular biologists and attorneys to use forensic DNA evidence to its greatest potential.

Objective establishment of the truth is the goal of any good crime scene investigator. This demands a consideration of all evidence available using proven scientific methodologies to establish objective snapshots of the crime. The majority of forensic disciplines shed light on thewho of a crime, bloodstain pattern analysis is one of the most imp

Renowned for being THE definitive resource for homicide investigators, Practical Homicide Investigation: Tactics, Procedures, and Forensic Techniques details the recognized protocols used by investigative divisions of major police departments throughout the world. The text is used in most police academies, including the FBI Academy in Quantico, Virginia. Now in its fifth edition, the book begins with a comprehensive discussion of homicide crime scenes and moves chronologically from initial police notification, the correct police response that follows, and the subsequent steps necessary to conduct an intelligent investigation. It then delves into the more technical aspects of homicide investigation, augmented with numerous pictures and full-color illustrations that involve pertinent case histories. This latest edition includes three new chapters along with fully revised chapters with new case histories and techniques that reflect the latest forensic methods and modern investigative procedures. Highlights of the Fifth Edition Include: Newly revised “Homicide Investigator’s Checklist” A new chapter on the latest DNA technology A rewritten chapter on equivocal death investigations that includes staged crime scenes Additional information on modes of death Fully updated chapters on death notifications, sex-related homicide, management for police administrators, suicide investigation, and narcotics-related and homosexually based homicides Over 920 photos and illustrations, 250 new photographs, and several new case histories Eminent author, lecturer, consultant, and expert witness Vernon J. Geberth incorporates his more than four and a half decades of real-world law enforcement experience in this quintessential reference. This classic and must-have resource provides the most vital information needed by detectives and police investigators responsible for cases in violent and sudden death.
Where To Download Footwear Impression Evidence Detection Recovery And Examination Second Edition Practical Aspects Of Criminal And Forensic Investigations modernh.com

Remember: do it right the first time. You only get one chance. —Vernon J. Geberth, M.S., M.P.S., Homicide and Forensic Consultant, Author of Practical Homicide Investigation, and Series Editor of The Practical Aspects of Criminal and Forensic Investigations

This text presents the fundamentals of criminal investigation and provides a sound method for reconstructing a past event (i.e., a crime), based on three major sources of information — people, records, and physical evidence. Its tried-and-true system for conducting an investigation is updated with the latest techniques available, teaching the reader new ways of obtaining information from people, including mining the social media outlets now used by a broad spectrum of the public; how to navigate the labyrinth of records and files currently available online; and fresh ways of gathering, identifying, and analyzing physical evidence.

The first two editions of Forensic Pathology have been highly touted as the definitive, go-to text reference on forensic pathology and this latest edition is no exception. DiMaio’s Forensic Pathology, Third Edition is fully updated to include the many advancements that have occurred in the field over the last 20 years since the last edition was published. Joining Dr. Vincent DiMaio is practicing forensic pathologist Dr. Kimberley Molina who brings her expertise to the latest edition of this all-time best-selling work. Historical chapters have been reviewed and updated, and the natural disease and toxicology chapters have been streamlined, so as to expand on the new improvements in the field. New content includes discussions on chronic traumatic encephalopathy, sudden unexplained infant deaths, deaths in the elderly and blast injuries — among other topics. Chapters incorporate changes to death investigation, forensic DNA typing and other relevant fields relative to forensic pathology and determination of death. In addition, the third edition includes an entirely new — and long-sought-after — chapter summarizing Dr. DiMaio’s world-renowned expertise on gunshot wounds. Key Features Includes over 400 full-color images illustrating key concepts Boasts new chapters on gunshot wounds, mass fatality incidents and the application of forensic science principles to forensic pathology practice Provides updated and expanded coverage of medicolegal death investigation, postmortem changes, time of death, deaths in custody, deaths in the elderly and drug-related deaths Presents new research and advanced techniques, ranging from chronic traumatic encephalopathy to new and emerging drugs DiMaio’s Forensic Pathology, Third Edition maintains its concise, easy-to-read format with completely updated references and over 400 full-color demonstrative photographs and photomicrographs to illustrate concepts — making it appealing not only to forensic pathologists, but also law enforcement personnel and attorneys. This highly anticipated work continues Dr. DiMaio’s long legacy of producing invaluable educational and professional resources.

This book, now in its second edition, is the first and most exhaustive text covering the still growing popularity of cold case investigations which locate perpetrators and free the innocent. The new edition adds approximately 80 pages of content, including material on clandestine graves and investigating cold gang cases. The book merges theory with practice through the use of case histories, photographs, illustrations and checklists that convey essential, fundamental concepts while providing a strong, practical basis for the investigative process.

All too often, the weakest link in the chain of criminal justice is the crime scene investigation. Improper collection of evidence blocks the finding of truth. Now in its second edition, Practical Crime Scene Processing and Investigation presents practical, proven methods to be used at any crime scene to ensure that evidence is admissible and persuasive. Accompanied by more than 300 color photographs, topics discussed include: Understanding the nature of physical evidence, including fingerprint, biological, trace, hair and fiber, and other forms of evidence Actions of the responding officer, from documenting and securing the initial information to providing emergency care Assessing the scene, including search considerations and dealing with chemical and bioterror hazard Crime scene photography, sketching, mapping, and notes and reports Light technology and preserving fingerprint and impression evidence Shooting scene documentation and reconstruction Bloodstain pattern analysis and the body as a crime scene Special scene considerations, including fire, buried bodies, and entomological evidence The role of crime scene analysis and reconstruction, with step-by-step procedures Two appendices provide additional information on crime scene equipment and risk management, and each chapter is enhanced by a succinct summary, suggested readings, and a series of questions to test assimilation of the material. Using this book in your investigations will help you find out what happened and who is responsible.

Bridging the gap between practical crime scene investigation and scientific theory, Crime Scene Forensics: A Scientific Method Approach maintains that crime scene investigations are intensely intellectual exercises that marry scientific and investigative processes. Success in this field requires experience, creative thinking, logic, and the correct designed for use by investigators in any agency, large or small, Practical Cold Case Homicide Investigations Procedural Manual provides an overview of the means and methods by which previously reported and investigated yet unresolved homicides might be solved. Written by an experienced cold case investigator and consultant, this convenient handbook

Once confined to four-year colleges and graduate schools, forensic science classes can now be found in local high schools as well as in two-year community colleges. The Basics of Investigating Forensic Science: A Laboratory Manual is designed for the beginning forensic science student and for instructors who wish to provide a solid foundation in ba

The human foot is a complex body part composed of fifty-two bones, which is twenty-five percent of all the bones in the body. Nonetheless, the foot is often viewed by the public and doctors as a “minor” body part. Similarly, the importance of pedal evidence in crime investigation has also long been undervalued, but as footwear evidence has become more commonly used in forensic situations, so has pedal evidence, which is why this seminal work is so important: it is the first textbook ever dedicated to forensic podiatry. Forensic Podiatry is an international compilation of current practices authored by the pioneers in the field. Part I discusses general forensic concerns, including those at the crime scene, from an informative perspective. It covers tasks performed by the crime laboratory, forensic podiatry principles, and various aspects of human identification. Part II deals with specific forensic podiatric concerns such as photographic techniques, barefoot identification, and footwear examination and analysis. It also discusses forensic gait and analysis as well as the identification of pedal remains from podiatry records, which is
important for mass disaster scenes. Part III presents actual forensic podiatry case studies from the United Kingdom and the United States, and Part IV focuses on podiatry practice standards, which in many instances parallel expert witness responsibilities. Groundbreaking and essential, this book is useful for medical and criminal justice students as well as podiatrists, criminalists, footwear examiners, forensic anthropologists, attorneys and investigators.

While there are numerous books on crime scene investigation and the processing of crime scenes, few focus on the processing of vehicles. Whether the crime took place in the car or the car was used to transport the suspect or victim—and, as such, is a secondary scene—investigating vehicles presents several unique challenges. Processing Vehicles Used in Violent Crimes for Forensic Evidence fills this void providing the technical instruction sorely needed in this area of crime scene investigation. The book is geared not only to investigators who process vehicles involved in general crimes but also with a specific focus on violent crimes. Coverage includes details as to how investigators should document the vehicle in a logical and methodical manner that is easily understood and replicated for various scenes. By identifying the unique challenges caused by working in the tight quarters of a vehicle—especially in photographing the vehicle, the evidence within it, and how to best find, collect, document, and preserve the evidence—the author provides a unique reference for investigators. Special attention is paid to documenting shooting incidents, the proper detailing and documentation of bullet trajectories, bloodstain documentation, and processing vehicles for other biological, impression, and physical evidence. Key Features Presents crime scene collection and preservation techniques and methodology specific to vehicle-related considerations Outlines the unique challenges, and step-by-step procedural requirements, necessary to conduct a vehicle or vehicle-related scene investigation Addresses types of various evidence for vehicles including fingerprint, bloodstain, documents, bullet and cartridge casings, and fire debris, which are common in primary or secondary crime scenes While the book is geared toward crime scene investigators and forensic technicians who process vehicles used in crimes, it will be an invaluable resource for criminal justice and forensic science students, attorneys, death investigators, fire investigators, accident scene investigators, and scene reconstructionists.

Reviewed and recognized as the most authoritative source in the field, this book describes the methods used worldwide to recover and identify footwear impressions from the scene of a crime. In this new edition, everything, including the original twelve chapters, bibliography, appendix, etc., has been clarified, updated and expanded. This edition includes updated and new information on recovery procedures and materials such as lifting, photography and casting; chemical enhancement; updated information about footwear manufacturing; footwear sizing; and known impression techniques and materials. WHAT'S NEW IN THE SECOND EDITION: Besides updating and expanding the twelve original chapters, Footwear Impression Evidence: Detection, Recovery and Examination, Second Edition adds three new chapters: one chapter on barefoot evidence, which concerns impressions made by the naked or sock-clad foot or those which remain in abandoned or discarded footwear; another new chapter on several cases in which the footwear impression evidence was of primary importance in bringing about a conviction or confession; and finally, a new chapter on the footwear impression evidence in the O.J. Simpson criminal and civil cases.

Linking the murders of an alleged serial killer to successfully present a case in court involves a specific methodology that has been scrutinized by the judicial system but is largely absent in the current literature. Serial Violence: Analysis of Modus Operandi and Signature Characteristics of Killers fully explains the process of finding the nexus between one violent crime and another for the purpose of pursuing the same offender at trial. Examines real cases of some of the world’s most notorious serial killers Written by renowned experts, this book focuses on analyzing crimes of violence to unveil common characteristics that might prove useful in the identification, apprehension, and conviction of murderers. It begins by detailing the historical origins of modus operandi as an investigative tool. It examines murderous ritualistic behavior in a variety of cases, including William Heirens, Harvey Glatman, Morris Frampton, and Jack the Ripper. Later chapters discuss serial murders accompanied by burglary, torture, piqueurism, sexual violence, sexual degradation, and a host of other behaviors. Includes color photographs of actual crime scenes Containing numerous color photos, this volume includes useful information for expert witnesses and portions of transcripts of original testimony. The scintillating detail and rigorous analysis presented in this volume enables those charged with solving these violent crimes to discern the types of modus operandi and ritualistic behaviors that can be linked to the same offender, helping law enforcement bring these dangerous offenders to justice. About the Authors Bob Keppel served on the King County homicide task force that investigated the infamous Ted Bundy and has been an expert witness on scores of serial killer signature profile cases across the United States. Along with coauthor William Birnes, Dr. Keppel worked on a United States Department of Justice grant to evaluate how local police homicide units use computer database technology to track serial killer and sexual offender cases by cross-referencing offender psychological signatures.

Crime scene investigation involves the use and integration of scientific methods, physical evidence, and deductive reasoning in order to determine and establish the series of events surrounding a crime. The quality of the immediate crime scene response and the manner in which the crime scene is examined are critical to the success of the investigation. Evidence that is missed or corrupted by incomplete or improper handling can have a devastating effect on a case and keep justice from being served. The Practice of Crime Scene Investigation covers numerous aspects of crime scene investigation, including the latest in education and training, quality systems accreditation, quality assurance, and the application of specialist scientific disciplines to crime. The book discusses a range of basic and advanced techniques such as fingerprinting, dealing with trauma victims, photofit technology, the role of the pathologist and ballistic expert, and signal processing. It also reviews specialist crime scene examinations including clandestine laboratories, drug operations, arson, and explosives.

The work of Crime Scene Investigators (CSIs) is made more complicated when the scene is contaminated by either Chemical, Biological, Radiological, Nuclear, Explosives (CBRNEs) or Toxic Industrial Chemicals (TICs). Special considerations must be observed when working at such scenes, whether they are the result of acts of terrorism, accidents, or nat

This book provides police investigators and homicide detectives with a practical method of analyzing 911 homicide calls to uncover the truth. A structured analysis of 911 homicide calls can directly aid in developing investigative leads, planning interviews and solving cases. Case examples present proven, reliable methods as to when a caller is telling the truth or not. This book lays out a framework to analyze the call to determine truth from fiction. Every member of the investigative team, from call-taker to first responder, investigator, coroner’s investigators, and prosecutor, can contribute to the success of investigations.
through their knowledge of 911 call analysis.

The ability to thoroughly and properly document a crime scene through photography is a must for crime scene investigators. Regardless of the time of day, weather conditions, or confines in which a piece of evidence is concealed, photographs must be true and accurate. Capturing all the pertinent information and evidence for use during an investigati