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KEY=CANON - ERICKSON GRANT

Canon PowerShot Digital Field Guide John Wiley & Sons With this book and your Canon PowerShot, taking pictures becomes a lot more fun! The Quick Tour gets you familiar with all the settings and menus on your G, S, TX, A, or SD-series camera, so you can start shooting. Then spend some time exploring tips for getting super shots in dozens of situations, using manual settings for greater control, and telling a story with your photos. Finally, learn the best ways to download, edit, and print your pictures. **Guide to Yeast Genetics and Molecular Biology** Gulf Professional Publishing Guide to Yeast Genetics and Molecular Biology presents, for the first time, a comprehensive compilation of the protocols and procedures that have made Saccharomyces cerevisiae such a facile system for all researchers in molecular and cell biology. Whether you are an established yeast biologist or a newcomer to the field, this volume contains all the up-to-date methods you will need to study "Your Favorite Gene" in yeast. Key Features * Basic Methods in Yeast Genetics * Physical and genetic mapping * Making and recovering mutants * Cloning and Recombinant DNA Methods * High-efficiency transformation * Preparation of yeast artificial chromosome vectors * Basic Methods of Cell Biology * Immunomicroscopy * Protein targeting assays * Biochemistry of Gene Expression * Vectors for regulated expression * Isolation of labeled and unlabeled DNA, RNA, and protein **Guide to Yeast Genetics: Functional Genomics, Proteomics, and Other Systems Analysis** Academic Press This fully updated edition of the bestselling three-part Methods in Enzymology series, Guide to Yeast Genetics and Molecular Cell Biology is specifically designed to meet the needs of graduate students, postdoctoral students, and researchers by providing all the up-to-date methods necessary to study genes in yeast. Procedures are included that enable newcomers to set up a yeast laboratory and to master basic manipulations. This volume serves as an essential reference for any beginning or experienced researcher in the field. Provides up-to-date methods necessary to study genes in yeast. Includes proceedures that enable newcomers to set up a yeast laboratory and to master basic manipulations. This volume serves as an essential reference for any beginning or experienced researcher in the field. **Digit PC World Photogrammetric Applications for Cultural Heritage Guidance for Good Practice** This guidance covers the practical application of photogrammetry in recording cultural heritage, with particular reference to structure from motion (SfM) techniques. Our audience for this document includes survey contractors, archaeological contractors, voluntary organisations and specialists. Photogrammetric image acquisition and processing, until recently requiring a considerable investment in hardware and software, are now possible at a fraction of their former cost. This has led to a huge increase in the use of photogrammetry in cultural heritage recording. The skills required to apply the techniques successfully and accurately are discussed, and background information on how various parts of the process work is provided so that better results can be achieved through better understanding. Photogrammetry is characterised by its versatility, and is applicable over a wide range of scales, from landscapes to small objects. The particular requirements needed at these different scales are outlined, and both imaging techniques and useful ancillary equipment are described. The different types of outputs are discussed, including their suitability for further interrogation using a range of established analytical techniques and the presentation options available. A range of case studies illustrates the application of photogrammetry across a variety of projects that broadly reflect the areas discussed in the text. This document is one of a number of Historic England technical advice documents on how to survey historic places. **Popular Photography Chivalry The Path of Love** Chronicle Books Llc Examines chivalry in the context of the Middle Ages **The DAM Book Digital Asset Management for Photographers** "O'Reilly Media, Inc." One of the main concerns for digital photographers today is asset management: how to file, find, protect, and re-use their photos. The best solutions can be found in The DAM Book, our bestselling guide to managing digital images efficiently and effectively. Anyone who shoots, scans, or stores digital photographs is practicing digital asset management (DAM), but few people do it in a way that makes sense. In this second edition, photographer Peter Krogh -- the leading expert on DAM -- provides new tools and techniques to help professionals, amateurs, and students: Understand the image file lifecycle: from shooting to editing, output, and permanent storage Learn new ways to use metadata and key words to track photo files Create a digital archive and name files clearly Determine a strategy for backing up and validating image data Learn a catalog workflow strategy, using Adobe Bridge, Camera Raw, Adobe Lightroom, Microsoft Expression Media, and Photoshop CS4 together Migrate images from one file format to another, from one storage medium to another, and from film to digital Learn how to copyright images To identify and protect your images in the marketplace, having a solid asset management system is essential. The DAM Book offers the best approach. **Slayer** Simon and Schuster 'It's perfection . . . Read this!!!' – Laini Taylor From New York Times bestselling author Kiersten White comes a brand-new series set in the world of Buffy the Vampire Slayer that introduces a new Slayer as she grapples with the responsibility of managing her incredible powers that she's just beginning to understand. Into every generation a Slayer is born... Nina and her twin sister, Artemis, are far from normal. It's hard to be when you grow up at the Watcher's Academy, which is a bit different from your average boarding school. Here teens are trained as guides for Slayers – girls gifted with supernatural strength to fight the forces of darkness. But while Nina's mother is a prominent member of the Watcher's Council, Nina has never embraced the violent Watcher lifestyle. Instead she follows her instincts to heal, carving out a place for herself as the school medic. Until the day Nina's life changes forever. Thanks to Buffy, the famous (and infamous) Slayer that Nina's father died protecting, Nina is not only the newest Chosen One – she's the last Slayer, ever. As Nina hones her skills with her Watcher-in-training, Leo, there's plenty to keep her occupied: a monster fighting ring, a demon who eats happiness, a shadowy figure that keeps popping up in Nina's dreams… But it's not until bodies start turning up that Nina's new powers will truly be tested – because someone she knows might be next. One thing is clear: Being Chosen is easy. Making choices is hard. **Guide to Three Dimensional Structure and Motion Factorization** Springer Science & Business Media The problem of structure and motion recovery from image sequences is an important theme in computer vision. Considerable progress has been made in this field during the past two decades, resulting in successful applications in robot navigation, augmented reality, industrial inspection, medical image analysis, and digital entertainment, among other areas. However, many of these methods work only for rigid objects and static scenes. The study of non-rigid structure from motion is not only of academic significance, but also has important practical applications in real-world, nonrigid or dynamic scenarios, such as human facial expressions and moving vehicles. This practical guide/reference provides a comprehensive overview of Euclidean structure and motion recovery, with a specific focus on factorization-based algorithms. The book discusses the latest research in this field, including the extension of the factorization algorithm to recover the structure of non-rigid objects, and presents some new algorithms developed by the authors. Readers require no significant knowledge of computer vision, although some background on projective geometry and matrix computation would be beneficial. Topics and features: presents the first systematic study of structure and motion recovery of both rigid and non-rigid objects from images sequences; discusses in depth the theory, techniques, and applications of rigid and non-rigid factorization methods in three dimensional computer vision; examines numerous factorization algorithms, covering affine, perspective and quasi-perspective projection models; provides appendices describing the mathematical principles behind projective geometry, matrix decomposition, least squares, and nonlinear estimation techniques; includes chapter-ending review questions, and a glossary of terms used in the book. This unique text offers practical guidance in real applications and implementations of 3D modeling systems for practitioners in computer vision and pattern recognition, as well as serving as an invaluable source of new algorithms and methodologies for structure and motion recovery for graduate students and researchers. **Emerging Technologies in Data Mining and Information Security Proceedings of IEMIS 2018, Volume 3** Springer The book features research papers presented at the International Conference on Emerging Technologies in Data Mining and Information Security (IEMIS 2018) held at the University of Engineering & Management, Kolkata, India, on February 23–25, 2018. It comprises high-quality research by academics and industrial experts in the field of computing and communication, including full-length papers, research-in-progress papers, case studies related to all the areas of data mining, machine learning, IoT and information security. **PC Magazine The Independent Guide to IBM-standard Personal Computing Morphological Plant Modeling: Unleashing Geometric and Topological Potential within the Plant Sciences** Frontiers Media SA An increasing population faces the growing demand for agricultural products and accurate global climate models that account for individual plant morphologies to predict favorable human habitat. Both demands are rooted in an improved understanding of the mechanistic origins of plant development. Such understanding requires geometric and topological descriptors to characterize the phenotype of plants and its link to genotypes. However, the current plant phenotyping framework relies on simple length and diameter measurements, which fail to capture the exquisite architecture of plants. The Research Topic "Morphological Plant Modeling: Unleashing Geometric and Topological Potential within the Plant Sciences" is the result of a workshop held at National Institute for Mathematical and Biological Synthesis (NIMBioS) in Knoxville, Tennessee. From 2.-4. September 2015 over 40 scientists from mathematics, computer science, engineering, physics and biology came together to set new frontiers in combining plant phenotyping with recent results from shape theory at the interface of geometry and topology. In doing so, the Research Topic synthesizes the views from multiple disciplines to reveal the potential of new mathematical concepts to analyze and quantify the relationship between morphological plant features. As such, the Research Topic bundles examples of new mathematical techniques including persistent homology, graph-theory, and shape statistics to tackle questions in crop breeding, developmental biology, and vegetation modeling. The challenge to model plant morphology under field conditions is a central theme of the included papers to address the problems of climate change and food security, that require the integration of plant biology and mathematics from geometry and topology research applied to imaging and simulation techniques. The introductory white paper written by the workshop participants identifies future directions in research, education and policy making to integrate biological and mathematical approaches and to strengthen research at the interface of both disciplines. **Canon EOS 70D For Dummies** John Wiley & Sons Start getting great photos with your Canon EOS 70D right away The Canon EOS 70D features upgraded focusing technology, a 20.2 megapixel sensor, and faster frame-per-second shooting. Whether you're new to dSLR photography or just getting acquainted with the 70D, this handy, full-color guide will have you taking great photos before you know it. You'll learn to use all the on-board controls, shoot in auto mode, use live view, control exposure and lighting, manipulate focus and color, transfer your images to the computer for editing, and share the results in prints or online. Colorful photos throughout illustrate what you can achieve. Upgraded features in the Canon EOS 70D include a new focusing technology that speeds up autofocus for video and live view shooting, a larger sensor, faster frame-by-frame shooting, and a wider ISO range This full-color guide explains how to take advantage of all the features; walks you through all the on-board controls, and shows how to shoot in auto mode Covers dSLR basics such as dialing in exposure and lighting controls, manipulating focus and color, and transferring your images from the camera to the computer Offers advice for shooting in various common situations and explains how to post your photos online, make prints, or share them in other ways Canon EOS 70D For Dummies makes it easy to get terrific photos with your Canon dSLR camera. **The Textbook of Digital Photography Advancing Your Photography A Handbook for Creating Photos You'll Love** Mango Media Inc. VALUABLE PHOTOGRAPHY TIPS Jumpstart your photography: Take your photography to the next level with this easy to understand and use handbook that is packed with tips from some of the world's best photographers. Find out how you can apply their secrets for capturing outstanding photos. With this book you will understand all steps needed to be a fantastic photographer. Buy it, read it and use it to create photos that you and others will love! "Marc's new book is an all-in-one, easily

accessible handbook drawn from his huge library of interviews with top photographers -- and packed with information that can be put into action immediately. This book will show you how the pros do it. Study this and take your best shot." Chase Jarvis, Multi-Award winning Photographer and CEO/Founder of CreativeLive. Photography Tips: Easy-to-understand photography tips from professional photography masters – all in one compact book that fits into your camera bag. Learn professional photography tips and tricks for beginners from masters of this art form: In Advancing Your Photography, Marc Silber provides the definitive handbook that will take you through the entire process of becoming an accomplished photographer. From teaching you the basics to exploring the stages of the full "cycle of photography," Silber makes it easy for you to master the art form and create stunning pictures. Valuable photography tips from thousands of hours of interviews with professional photography masters: You will learn valuable insights, including: • beginner photography tips • amateur photography tips • landscape photography tips • wedding photography tips • lifestyle photography tips • sports photography tips • animal photography tips • portrait photography tips • still life photography tips • iPhone photography tips Photography and the technology associated with it is constantly evolving, but the fundamentals remain the same. Advancing Your Photography will help to bring you the joy and satisfaction of a lifetime of pursuing the art of photography. Advancing Your Photography features: • Top tips for making outstanding photographs from iconic photographers and many other leading professional photography masters of today. • Numerous step-by-step examples • Guidance on training your eye to see composition with emotional impact • Tips on mastering the key points of operating your camera like a pro • Secrets to processing your images to professional standards • Compact design that will easily fit in your camera bag **Lonely Planet's Guide to Travel Photography and Video** Lonely Planet Lonely Planet: The world's leading travel guide publisher The best-selling Lonely Planet's Guide to Travel Photography is written by internationally renowned travel photographer Richard I'Anson. He shares his wealth of experience and knowledge about travel photography in this jargon-free guide to taking better photographs. This new edition has been thoroughly updated and refreshed with up-to-the minute advice, information and instructions on how to take amazing travel photographs using the latest digital cameras. It also includes tips on how to get great results from smartphones, DSLR cameras, drones and GoPro action cameras. The author explains: How to get started in travel photography What kit is required - whether you?re an enthusiastic amateur photographer or a budding professionals - and how to use it Types of software and computers needed to process pin-sharp images On-the-ground advice, including photography etiquette, safety and security Essential advice and know-how on lighting, composing and shooting great images How to choose the best lense, set aperture, shutter speeds and exposure Detailed instructions on taking photographs of moving subjects, portraits of people, landscapes, cities, wildlife, festivals, food and drink Processing, saving and sharing digital images using various software programs, and even selling travel images. Lonely Planet's Guide to Travel Photography is the definitive handbook for anybody keen to improve the photographs they take on their travel trips and wow their friends and family at home. It's a long-standing success and will continue to inspire a new generation of travellers with the updated information and tips inside. About Lonely Planet: Started in 1973, Lonely Planet has become the world's leading travel guide publisher with guidebooks to every destination on the planet, gift and lifestyle books and stationery, as well as an award-winning website, magazines, a suite of mobile and digital travel products, and a dedicated traveller community. Lonely Planet's mission is to enable curious travellers to experience the world and to truly get to the heart of the places they find themselves in. TripAdvisor Travelers' Choice Awards 2012, 2013, 2014, and 2015 winner in Favorite Travel Guide category 'Lonely Planet guides are, quite simply, like no other.' ? New York Times 'Lonely Planet. It's on everyone's bookshelves; it's in every traveller's hands. It's on mobile phones. It's on the Internet. It's everywhere, and it's telling entire generations of people how to travel the world.' ? Fairfax Media (Australia) Important Notice: The digital edition of this book may not contain all of the images found in the physical edition. **Photography with Tilt and Shift Lenses Art and Techniques** The Crowood Press Tilt and shift lenses offer tremendous creative possibilities for users of digital SLR and mirrorless cameras. This practical book explains the techniques that will help you take better photos - photos that don't distort or lose focus. Assessing the benefits and pitfalls of a range of lenses, adapters, software and editing techniques, it guides you through the practicalities of working with these lenses and gives you the skills to use them to best effect. With stunning examples throughout, this book gives an overview of the different lenses available, and tips on how adapters can give tilt/shift options when using old medium-format lenses. It gives advice on how simple lens shift can change the entire look of your photos, and techniques for using lens tilt for focus control and close-up working. Stunning examples show the use of tilt and shift lenses across a range of available focal lengths, both tripod-mounted and handheld. **In Camera: How to Get Perfect Pictures Straight Out of the Camera** Hachette UK Understand your camera's capabilities. Master the skills of exposure, composition and focus. Take amazing photos; no post-processing, no Photoshop, just your own vision. With amazing low-light capabilities, incredible definition, intelligent autofocus and a host of other features, digital cameras have now become so powerful that they have left their users behind. Most photographers can take competent shots in a range of conditions, or fix imperfect exposures in Photoshop or Lightroom, but very few have the skill to push their cameras to the limit and capture the perfect shot, under all conditions, with no post-processing required. In Camera is the perfect way to take your photography to that level; to master your camera, understand light, exposure and composition, and make amazing photographs, whatever your camera, without cheating after the event. One hundred of Gordon's beautiful photos are given with his own expert commentary; full settings and camera details are included, and a host of tips and tricks let photographers of any level learn something from every example. The shots are taken with a wide range of cameras, and the emphasis is on getting results by improving your own skills, not wasting money on expensive equipment. **Architectural Forensics** McGraw Hill Professional 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 investigations...diagnosing building failures... preventing and curing building defects...and 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 **Lake Pavin History, geology, biogeochemistry, and sedimentology of a deep meromictic maar lake** Springer This book represents the first multidisciplinary scientific work on a deep volcanic maar lake in comparison with other similar temperate lakes. The syntheses of the main characteristics of Lake Pavin are, for the first time, set in a firmer footing comparative approach, encompassing regional, national, European and international aquatic science contexts. It is a unique lake because of its permanently anoxic monimolimnion, and furthermore, because of its small surface area, its substantially low human influence, and by the fact that it does not have a river inflow. The book reflects the scientific research done on the general limnology, history, origin, volcanology and geological environment as well as on the geochemistry and biogeochemical cycles. Other chapters focus on the biology and microbial ecology whereas the sedimentology and paleolimnology are also given attention. This volume will be of special interest to researchers and advanced students, primarily in the fields of limnology, biogeochemistry, and aquatic ecology. **Digital Photography Solutions** Muska & Lipman Pub You don?t have to be a professional photographer or a graphics specialist to create amazing digital images! "Digital Photography Solutions" will show you how to do that and more. Whether you want to share family photos electronically or produce professional-looking product catalogs for your business, this is your start-to-finish guide to the world of digital photography. Grab your digital camera and dive in! **Plant MicroRNAs Methods and Protocols** Humana Press This detailed volume provides a collection of protocols for the study of miRNA functions in plants. Beginning with coverage of miRNA function, biogenesis, activity, and evolution in plants, the book continues by guiding readers through methods on the identification and detection of plant miRNAs, bioinformatic analyses, and strategies for functional analyses of miRNAs. Written in the highly successful Methods in Molecular Biology series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Authoritative and cutting-edge, Plant MicroRNAs: Method and Protocols aims to ensure successful results in the further study of this vital area of plant science. **Flower Portraits The Life Cycle of Beauty** Bulfinch Exquisite photographic portraits of flowers and magical depictions of their life cycle are presented by world-renowned photographer Tenneson. Full color. **Advances in Artificial Intelligence, Software and Systems Engineering Proceedings of the AHFE 2020 Virtual Conferences on Software and Systems Engineering, and Artificial Intelligence and Social Computing, July 16-20, 2020, USA** Springer Nature This book addresses emerging issues concerning the integration of artificial intelligence systems in our daily lives. It focuses on the cognitive, visual, social and analytical aspects of computing and intelligent technologies, and highlights ways to improve the acceptance, effectiveness, and efficiency of said technologies. Topics such as responsibility, integration and training are discussed throughout. The book also reports on the latest advances in systems engineering, with a focus on societal challenges and next-generation systems and applications for meeting them. Based on the AHFE 2020 Virtual Conference on Software and Systems Engineering, and the AHFE 2020 Virtual Conference on Artificial Intelligence and Social Computing, held on July 16–20, 2020, it provides readers with extensive information on current research and future challenges in these fields, together with practical insights into the development of innovative services for various purposes. **The Secrets to Creating Amazing Photos 83 Composition Tools from the Masters** Mango Media Inc. "This friendly book leads us clearly and gracefully from the basics to advanced techniques in photography composition . . . highly recommended." —Brian Taylor, executive director, Center for Photographic Arts There's a common misconception that composition is mysterious and that only certain people have that natural gift for the techniques involved. The truth is that composition involves a set of skills that you can master. Just as you can use cookbook recipes to make your favorite meal—you don't have to be a famous French chef—you also can take amazing photos by just following a recipe! Marc Silber has spent years studying the works of masters and interviewing some of the biggest names in photography. The Secrets to Creating Amazing Photos puts at your fingertips ideas for improving your skills by giving you easy-to-follow "recipes" that will improve your photography right now! Composition is one of the biggest keys to creating photos that others will love. No matter what kind of camera or smartphone you're using, you can take your photography to the next level and beyond by learning composition tools and secrets known to the masters of the art. With this handy guide, you can flip to the look you want on the spot and follow the recipe for creating an image that inspires you. Use it when you're out photographing to get new ideas and inspiration. "Buy it, read it and then apply what you have learnt from this superb new book . . . This is a complete must-have, a veritable cornucopia of wisdom gained over decades of experience." —Gray Levett, editor of Nikon Owner magazine **Yosemite & the Eastern Sierra** In the tradition of California the Beautiful, Galen Rowell's best-selling celebration of the natural beauty of the Golden State, comes Yosemite & the Eastern Sierra, featuring stunning color images by outdoor photographer Gary Crabbe. Here is a fresh look at the wonders of Yosemite National Park (visited by more than three million people each year), as well as the lesser-known vistas of the pristine wilderness that adjoins the eastern slopes of the Sierra Nevada. From the first light of sunrise cascading above an alpine creek to the last glint of sunset reflected on the joyful serenade of a waterfall ballet at Horsetail Falls, the spirit of the land will nourish your soul. The accompanying text of this small but exquisitely printed volume speaks through the voices of our great nature writers, from Ansel Adams and Galen Rowell to Joan Didion, Wallace Stegner, and Mark Twain. This is the perfect gift for anyone who has ever marveled at the beauty of Yosemite National Park and the glorious gallery of the Eastern Sierra's natural wonders. **Tony Northrup's Photography Buying Guide How to Choose a Camera, Lens, Tripod, Flash & More** Tony Northrup If you're a beginner photographer, this book can save you hundreds of dollars. If you're a seasoned pro, it can save you thousands. With access to over 16 HOURS of online video, this book helps you choose the best equipment for your budget and style of photography. In this book, award-winning author and photographer Tony Northrup explains explains what all your camera, flash, lens, and tripod features do, as well as which are worth paying for and which you can simply skip. Tony provides information specific to your style of photography, whether you're a casual photographer or you're serious about portraits, landscapes, sports, wildlife, weddings, or even macro. For the casual reader, Tony provides quick recommendations to allow you to get the best gear for your budget, without spending days researching. If you love camera gear, you'll be able to dive into 200 pages of detailed information covering Nikon, Canon, Sony, Micro Four-Thirds, Olympus, Samsung, Leica, Mamiya, Hasselblad, Fuji, Pentax, Tamron, Sigma, Yongnuo, PocketWizard, Phottix, Pixel King, and many other manufacturers. Camera technology changes fast, and this book keeps up. Tony updates this book several times per year, and buying the book gives you a lifetime subscription to the updated content. You'll always have an up-to-date reference on camera gear right at your fingertips. Here are just some of the topics covered in the book: What should my first camera be?Which lens should I buy?Should I buy Canon, Nikon, or Sony?Is a mirrorless camera or a DSLR better for me?Do I need a full frame camera?Is it safe to buy generic lenses and flashes?What's the best landscape photography gear?Which portrait lens and flash should I buy?What gear do I need to photograph a wedding?How can I get great wildlife shots on a budget?Which sports photography equipment should I purchase?Should I buy zooms or primes?Is image stabilization worth the extra cost?Which type of tripod should I buy?Which wireless flash system is the best

for my budget?How can I save money by buying used?What kind of computer should I get for photo editing?What studio lighting equipment should I buy?When you buy this book, you'll be able to immediately read the book online. You'll also be able to download it in PDF, .mobi, and .epub formats--every popular format for your computer, tablet, smartphone, or eReader! **Handbook of Big Data and IoT Security** Springer This handbook provides an overarching view of cyber security and digital forensic challenges related to big data and IoT environment, prior to reviewing existing data mining solutions and their potential application in big data context, and existing authentication and access control for IoT devices. An IoT access control scheme and an IoT forensic framework is also presented in this book, and it explains how the IoT forensic framework can be used to guide investigation of a popular cloud storage service. A distributed file system forensic approach is also presented, which is used to guide the investigation of Ceph. Minecraft, a Massively Multiplayer Online Game, and the Hadoop distributed file system environment are also forensically studied and their findings reported in this book. A forensic IoT source camera identification algorithm is introduced, which uses the camera's sensor pattern noise from the captured image. In addition to the IoT access control and forensic frameworks, this handbook covers a cyber defense triage process for nine advanced persistent threat (APT) groups targeting IoT infrastructure, namely: APT1, Molerats, Silent Chollima, Shell Crew, NetTraveler, ProjectSauron, CopyKittens, Volatile Cedar and Transparent Tribe. The characteristics of remote-controlled real-world Trojans using the Cyber Kill Chain are also examined. It introduces a method to leverage different crashes discovered from two fuzzing approaches, which can be used to enhance the effectiveness of fuzzers. Cloud computing is also often associated with IoT and big data (e.g., cloud-enabled IoT systems), and hence a survey of the cloud security literature and a survey of botnet detection approaches are presented in the book. Finally, game security solutions are studied and explained how one may circumvent such solutions. This handbook targets the security, privacy and forensics research community, and big data research community, including policy makers and government agencies, public and private organizations policy makers. Undergraduate and postgraduate students enrolled in cyber security and forensic programs will also find this handbook useful as a reference. **Introduction to Radar Using Python and MATLAB** Artech House This comprehensive resource provides readers with the tools necessary to perform analysis of various waveforms for use in radar systems. It provides information about how to produce synthetic aperture (SAR) images by giving a tomographic formulation and implementation for SAR imaging. Tracking filter fundamentals, and each parameter associated with the filter and how each affects tracking performance are also presented. Various radar cross section measurement techniques are covered, along with waveform selection analysis through the study of the ambiguity function for each particular waveform from simple linear frequency modulation (LFM) waveforms to more complicated coded waveforms. The text includes the Python tool suite, which allows the reader to analyze and predict radar performance for various scenarios and applications. Also provided are MATLAB® scripts corresponding to the Python tools. The software includes a user-friendly graphical user interface (GUI) that provides visualizations of the concepts being covered. Users have full access to both the Python and MATLAB source code to modify for their application. With examples using the tool suite are given at the end of each chapter, this text gives readers a clear understanding of how important target scattering is in areas of target detection, target tracking, pulse integration, and target discrimination. **Measuring and analysing the directional spectra of ocean waves Multiple Heterogeneous Unmanned Aerial Vehicles** Springer Complete with online files and updates, this cutting-edge text looks at the next generation of unmanned flying machines. Aerial robots can be considered as an evolution of the Unmanned Aerial Vehicles (UAVs). This book provides a complete overview of all the issues related to aerial robotics, addressing problems ranging from flight control to terrain perception and mission planning and execution. The major challenges and potentials of heterogeneous UAVs are comprehensively explored. **Batteries for Portable Devices** Elsevier Batteries for Portable Devices provides a comprehensive overview of all batteries used in portable electric and electronic, as well as medical devices. These range from the cellular phone to portable CD and cardiac pacemakers to remote micro-sensors. The author looks at the behaviour of batteries in the conditions encountered in the above applications. Information on the performance of the most recent commercial batteries are graphically illustrated and comparisons are made. This easy-to-read book also contains useful information on topics rarely discussed in the field, such as battery collection, recycling and market trends. * Contains an extensive bibliography * Includes rarely discussed topics, such as battery collection and recycling * Well illustrated and easy to read **Canon EOS Rebel T7i/800D For Dummies** John Wiley & Sons Action, beauty, adventure, and art—start capturing memories today! Canon EOS Rebel T7i/800D For Dummies is your ultimate guide to taking spectacular photos—no photography experience required! The EOS Rebel offers professional features that camera phones just cannot match, and this book shows you how to take advantage of these features to take stunning photos in any situation. First, you'll take a tour of the controls to learn what everything does, where to find it, and how to use it. Next, you'll walk through the automatic, scene, and manual modes to learn the strengths and weaknesses of each, and how to choose a mode based on your goals for that particular photo. You'll learn how to capture action shots, take beautiful portraits, and get as artsy as you want to get as you adjust for color, lighting, and focus, and control exposure for different effects. Taking great photos doesn't have to be difficult! Your camera offers everything you need to perfectly capture any scene, and this book provides clear, easy-to-follow instruction to help you take full advantage of these professional tools. Get acquainted with your camera's controls Shoot in automatic, scene, or manual mode Compose shots and work with lighting like a pro Adjust for focus, color, depth of field, and more Whether you're taking pictures at a party, shooting scenery on vacation, catching action at a ball game, or just wandering around capturing spontaneous moments of beauty, awesome photos are just a few simple steps away. Your Canon EOS Rebel T7i/800D is equipped with the tools to make any scene share-worthy, and Canon EOS Rebel T7i/800D For Dummies equips you to start snapping professional-quality photos today! **Digital Photography For Dummies** John Wiley & Sons Photographers! Your guide is here! The demand for high-quality photographs is higher than ever. Whether you're building your influencer rating online, capturing the moments of a child's life, or are looking for ways to improve your skills, photography know-how is a must-have skill. Digital Photography For Dummies helps you do more than pointing, shooting, and hoping for the best or slapping a filter on a camera phone shot. This book introduces you to the camera settings and techniques that separate okay pictures from frame-worthy portraits. It then explains how to apply those skills to capturing your own portraits, landscape shots, and high-action photos. Develop a better eye for image composition Discover how to light photos better, including using natural light Learn to get quick results in auto settings or take full control in manual mode Discover the elements of exposure and how they influence the final product Find instructions on taking a formal or casual portrait Apply basic editing techniques to finalize your image Go beyond photo apps and apply the techniques pros use for their images. **Remarkable Shrimps Adaptations and Natural History of the Carideans** University of Oklahoma Press In Remarkable Shrimps, Raymond T. Bauer explores the evolution, natural history, biological diversity, and commercial importance of caridean shrimps--a fascinating and colorful group of aquatic organisms that inhabit freshwater and marine environments from the tropics to the poles. The biological diversity of carideans encompasses a remarkable array of adaptations in body form and function, coloration, breeding biology, and mating behavior. Carideans' important grooming and antifouling adaptations are examined in detail, and Bauer discusses the structural basis of their coloration, the role of color change in concealment, and other forms of camouflage. Reproductive biology and sexual systems, including hermaphroditism and sex change, are reviewed, and Bauer provides evidence for sex pheromones in the attraction of males to females. Seasonal, latitudinal, and depth variation in life history patterns are also analyzed. The symbiotic relationships of shrimps with invertebrates such as corals, sea anemones, and sea urchins and also with fishes are fascinating phenomena of marine ecosystems. Different views on the ancestry and evolutionary history of carideans are evaluated as a stimulus for further work. The status of caridean fisheries and aquaculture is appraised, and shrimp productivity is explained in terms of life history adaptations. Profiling each of the nearly thirty families of caridean shrimps, Bauer writes in an informal style that is nevertheless rich with precise and useful references. Over one hundred figures and 11 plates with 70 color and half-tone photographs accompany the text. Extensive fieldwork is showcased in life history studies on shrimps, employing both behavioral observations using time-lapse video and experimental work to test hypotheses on mating strategies. **Alone** Sourcebooks, Inc. This must-read for lovers of Stephen King's The Shining will leave readers breathless as Seda and her family find themselves at the mercy of a murderer in an isolated and snowbound hotel. Get ready for what Kirkus calls "A bloody, wonderfully creepy scare ride." When her mom inherits an old, crumbling mansion, Seda's almost excited to spend the summer there. The grounds are beautiful and it's fun to explore the sprawling house with its creepy rooms and secret passages. Except now her mom wants to renovate, rather than sell the estate—which means they're not going back to the city...or Seda's friends and school. As the days grow shorter, Seda is filled with dread. They're about to be cut off from the outside world, and she's not sure she can handle the solitude or the darkness it brings out in her. Then a group of teens get stranded near the mansion during a blizzard. Seda has no choice but to offer them shelter, even though she knows danger lurks in the dilapidated mansion—and in herself. And as the snow continues to fall, what Seda fears most is about to become her reality... **Telemedicine in Dermatology** Springer Science & Business Media Written by leading teledermatologists and telemedicine experts, this hands-on guide addresses the practical needs of the many emerging teledermatology services worldwide. It covers the medical and technical prerequisites for such services as well as the photographic imaging essentials. It also illustrates the performance of teledermatology by means of clinical examples, discusses teledermatology in underdeveloped countries, and presents specialized methods of teledermatology. The impact of telemedicine on the doctor-patient relationship is explored, and the advantages that accrue from improving access to expert knowledge are explained. In addition, quality assurance, legal assumptions, economic aspects, and the future horizons of such health care services are all considered. A comprehensive appendix provides information on training opportunities, sample protocols, consent forms, information sheets, references, and relevant web links. **Weedopedia An A to Z Guide to All Things Marijuana** Simon and Schuster Discover everything you've ever wanted to know about marijuana all in one place with this authoritative A-to-Z guide to cannabis! What's a wake and bake? Who is Mitch Hedberg? What does Louisa May Alcott have to do with cannabis? And what exactly is the difference between a bong and a bubbler? Now you can "weed" all about it and find all the answers and more with this entertaining and updated edition of Weedopedia, your guide to everything marijuana—from the best movies to watch while high to cannabis slang and terminology. Whether you're interested in learning more about all things marijuana, or if you want something entertaining to read while enjoying a toke, this book is the one-stop-shop for all your weed-related needs.