Chdk Manual

Sound Analysis and Synthesis with RTotal Skywatcher's ManualDigital Image ForensicsComputers as ComponentsThe Contributions of Trained TBAs in NepalThe Social Media BibleThe Canon Camera Hackers ManualPhotographer's Guide to the Sony DSC-RX100 VTHE ENCYCLOPAEDIC DICTIONARYAtomic Purple TeamingChdk - SlovakPhotographer's Guide to the Canon PowerShot S110Hand-book of Colloquial TibetanUnderstanding ExposureDesign of Welded StructuresConservation DronesSoviet Transportation Project, Task AKorean Games with Notes on the Corresponding Games of China and JapanNew Advanced GNSS and 3D Spatial TechniquesChdkGeogames and GeoplayThe Publishers' Trade List AnnualUnderstanding Flash PhotographyPattern RecognitionBuilding Smart Drones with ESP8266 and ArduinoUnexploded Ordnance Detection and MitigationPC WorldLighting for PhotographersDictionary Catalog of the Departmental Library, Supplement 1-UAV or Drones for Remote Sensing ApplicationsMoody's Industrial ManualThe HDRI Handbook 2.0The Canon Camera Hackers ManualArduino CookbookThe Art of HDR PhotographyHandbook of Molecular DescriptorsThe Playful CitizenChdk - DevelopmentStructure from Motion in the GeosciencesStudies in Temporal Urbanism

Sound Analysis and Synthesis with R

Total Skywatcher's Manual

Digital Image Forensics

The ultimate comprehensive social media reference book for any business looking to transform its marketing and operational strategies Realizing that social media is dramatically impacting businesses, customers, and everyone connected to them, the authors of The Social Media Bible have consulted with leading social media experts from companies and consulting firms, as well as New York Times bestselling authors nationwide, to assemble a content-rich social media bible that will help businesses increase revenues, improve profitability, and ensure relevance and competitiveness. The book outlines just what social media is, and how to harness its power to achieve a measurable competitive advantage in rapidly changing markets. It allows readers to build a functional knowledge base, and tap into the collaborative power of such social media applications as Facebook, Linked In, Twitter, MySpace, Flickr, and YouTube. The book is part reference, part how-to manual, and part business strategy. For corporate enterprises, small businesses, and nonprofits alike, the strategies in The Social Media Bible are practical, powerful, and effective ways to connect with customers, prospects, employees,

stakeholders, and collaborators. Packed with contributions from top names in the field covering virtually every major topic in social media, this is the perfect social media resource for businesses big and small. Lon Safko (Gilbert, AZ) is an innovator and professional speaker with over 20 years of experience in entrepreneurship, marketing, sales, strategic partnering, speaking, training, writing, and e-commerce. He is the founder of eight successful companies, including Paper Models, Inc. David K. Brake (Mesa, AZ) is the CEO and founder of Content Connections, a company that uses social networking strategies to help clients build economically viable relationships around their content.

Computers as Components

Guide book for Sony DSC-RX100 V camera

The Contributions of Trained TBAs in Nepal

Lighting is one of the most important aspects of any photograph. The best images create dimension and drama, which goes beyond formulas and lighting recipes. In Lighting for Photographers: An Introductory Guide to Professional Photography, commercial photographers and instructors Joe Lavine and Brad Bartholomew offer a unique philosophy of lighting, starting with an understanding of the characteristics of lighting to build great shots. Including interviews from professional photographers and illustrated with over 200 images, this book introduces basic photographic concepts and equipment needs, and takes the reader from the lighting process through to starting a successful career in photography both in the studio and on location. Readers will learn a comprehensive approach to lighting including what light does, composition, experimentation, practical tools and techniques, equipment, metering and histograms, and how to launch and grow their career. With downloadable instructor resources featuring discussion questions and quizzes, this fully updated edition is ideal for introductory level photography and lighting courses as well as the amateur photographer looking to apply the appropriate lighting to realize their conceptual and aesthetic goals.

The Social Media Bible

This book provides the latest research on and applications of advanced GNSS (Global Navigation Satellite System) and 3D spatial techniques in the fields of Civil and Environmental Engineering, Geophysics, Architecture, Archaeology and Cultural Heritage. It offers an updated reference guide on the above-mentioned topics for undergraduate and graduate students, PhDs, researchers, professionals and practitioners alike.

The Canon Camera Hackers Manual

This book aims to further build capacity in the conservation community to use drones for conservation and inspire others to adapt emerging technologies for conservation.

Photographer's Guide to the Sony DSC-RX100 V

THE ENCYCLOPAEDIC DICTIONARY

This book is very much about what the name urbanTick literally says, about the ticking of the urban, the urban as we experience it everyday on the bus, in the park or between buildings. It is about the big orchestrated mass migration of commuters, the seasonal blossoms of the trees along the walkway and the frequency of the stamping rubbish-eater-trucks. It is also, not to forget, about climate, infrastructure, opening hours, term times, parking meters, time tables, growing shadows and moon light. But most of all it is about how all this is experienced by citizens on a daily basis and how they navigate within this complex structure of patterns. The content of this book is based on the content of the urbanTick blog between 2008-2010. One year blogging about this topic brought together a large collection of different aspects and thoughts. It is not at all a conclusive view, the opposite might be the case, it is an exploratory work in progress, while trying to capture as many facets of the topic as possible.

Atomic Purple Teaming

Covering New York, American & regional stock exchanges & international companies.

Chdk - Slovak

This book constitutes the refereed proceedings of the 36th German Conference on Pattern Recognition, GCPR 2014, held in Münster, Germany, in September 2014. The 58 revised full papers and 8 short papers were carefully reviewed and selected from 153 submissions. The papers are organized in topical sections on variational models for depth and flow, reconstruction, bio-informatics, deep learning and segmentation, feature computation, video interpretation, segmentation and labeling, image processing and analysis, human pose and people tracking, interpolation and inpainting.

Photographer's Guide to the Canon PowerShot S110

The Canon Camera Hackers Manual addresses "geeky" owners of Canon consumer cameras, such as the Powershot and IXUS, who would like to explore the possibilities of their cameras and tweak them to do things that go well beyond the camera's original specifications. --

Hand-book of Colloquial Tibetan

This book consists of articles from Wikia. Pages: 162. Chapters: A2000, A450, A460, A470, A480, A490, A495, A530, A540, A550, A560, A570 IS, A590IS, A610, A620, A630, A640, A650IS, A700, A710IS, A720IS, Benchmarks, CameraFeatures, CHDK for Dummies, CHDK User Manual, CheatSheets, D10, DoF Stacking, Features, For Developers, G10, G11, G12, G7, G9, German, Grids, IXUS120, IXUS900, IXUS960IS, IXUS980IS, Languages, RBF fonts, S2IS, S3IS, S5IS, S90, S95, Scripts, SD1000, SD1100IS, SD30, SD300, SD400, SD450, SD500, SD550, SD600, SD630, SD700IS, SD750, SD770IS, SD780IS, SD790IS, SD800IS, SD850IS, SD870IS, SD880IS, SD890IS, SD980IS, Software, SX1, SX10, SX100, SX110, SX20, SX200IS, SX220HS, SX230HS, SX30, TX1, USB Remote Cable. Excerpt: Powershot A2000 IS Front Powershot A2000 IS Back In PLAY mode: Hold then press Select languageHold then press Slide showWhen power on: Hold then press Switch the camera on silently (mute on) Firmware information is given if ver.req exists on the SD. In PLAY mode (with ver.req) press and simultaneously: Canon PowerShot A2000 ISP-ID:3191 PAL DFirmware Ver GM1.00BNoErrorAug 28 2008 15:15:02Subsequent press of (while still holding) reveals: Adj Ver.008.009After another subsequent press of (while still holding) reveals: Adj Ver.008.009Total Shoot: 0Zoom Retry Count: 0There is an another version of the firmware, and the camera was bought in China. In PLAY mode (with ver.req) press and simultaneously: Canon PowerShot A2000 ISP-ID:3191 PAL DFirmware Ver GM1.00BNoErrorAug 28 2008 15:15:05Subsequent press of (while still holding) reveals: Adj Ver.008.009After another subsequent press of (while still holding) reveals: Adj Ver.008.009IS Firm Ver. 3.00IS Param Ver. 2.04 The Powershot A450 is a 5MP entry level camera, released in February of 2007. PowerShot A450 Front PowerShot A450 Back (The A450 is identical to the Powershot A460 except the 3.2x zoom) The Powershot A460 is a 5 MP entry-level camera released in January of 2007 The trick wi

Understanding Exposure

Design of Welded Structures

This book consists of articles from Wikia or other free sources online. Pages: 232. Chapters: 1000D, 400D, 40D, 450D, 500D, 50D, 5D, A1000, A1000IS, A1100, A1100IS, A1200, A2000, A2000IS, A2100, A2100IS, A2200, A3000, A3000IS, A3100, A3100IS, A3200IS, A410, A420, A430, A450, A460, A470, A480, A490, A495, A530, A540, A550, A560, A570 IS, A580,

A590IS, A610, A620, A630, A640, A650IS, A700, A710IS, A720IS, Adding support for a new camera, Adding support of a new firmware version, Blinking the firmware to the RS232 interface, Bug tracking and feature requests with Mantis, CHDK-PT, CHDK-Shell, CHDK Coding Guidelines, CHDK Tools, CHDK User Manual, CHDK scripting, CameraVersion, Canon Basic, Changelog, Compiling CHDK under Linux, Compiling CHDK under Mac OS X, Compiling CHDK under Windows, D10, Debugging, Developer Technical Documents, Documentate the CHDK Sources, DryOS Porting, DryOS structures, E1, ELPH100, ELPH300, ELPH500, Event Procedure, Event Shell, ExMem - enabling and loading CHDK into extended memory., Features, Firmware Dumping, For Developers, Forum, Frame buffers, G10, G11, G12, G7, G9, GPL Tools, Gcc433, Gpl renumber.pl, IDA Visual Analysis, IXUS100IS, IXUS110IS, IXUS860IS, IXUS870IS, IXUS95IS, IXUS960IS, IXUS980IS, IXUS990IS, IXUS 80, IXUS 85, IXUS 900, IXUS 95, IXUS 970, Ixus 100, Ixus 105, Ixus 115, Ixus 200, Ixus 210, Ixus 220, Ixus 850, Ixus 990, Legacy, Loading dump to IDA, LogicalEvent, Lua, Lua Development Environment, Mode dial propcase values, Modifying the CHDK Sources, Official Canon firmware updates, Optimizing ARM sourcecode, P-ID, P-ID, PTP Extension, Params, Platform-ID, Porting the CHDK, PropertyCase, S2IS, S3IS, S5IS, S80, S90, SD1000, SD1100IS, SD1200, SD1200IS, SD1300, SD1300IS, SD1400, SD1400IS, SD30, SD300, SD300 CHDK Porting, SD3500IS, SD400, SD4000, SD450, SD4500, SD500, SD550, SD600, SD630, SD700IS, SD750, SD770, SD770IS, SD780, SD780IS, SD790IS, SD800IS, SD850, SD850IS, SD890IS, SD900, SX220, SX230, SX30. Excerpt: Canon EOS 1000

Conservation Drones

Soviet Transportation Project, Task A

Korean Games with Notes on the Corresponding Games of China and Japan

You've heard this story before. Bad actor walks into a network and pillages the place in swift action. CIO asks "Where did we go wrong?" SysAdmin replies "our password, remote access, workstation restriction, and lack of application whitelisting policies. Oh, and our SIEM didn't notify us. We just weren't ready for that attack."Atomic Purple Teaming (APT) will guide students through attack and defense methodology using the MITRE ATT&CK Framework and the Atomic Red Team tactics to produce a secure enterprise environment. The course covers secure network designs, OSINT based reconnaissance, basic command and control (C2) operations and modern defenses that stop or slow down current adversarial techniques. Network and Active Directory Best Practices will be leveraged as a framework for implementing network and domain protections to harden networks.

New Advanced GNSS and 3D Spatial Techniques

The chapters in this volume were presented at the July–August 2008 NATO Advanced Study Institute on Unexploded Ordnance Detection and Mitigation. The conference was held at the beautiful Il Ciocco resort near Lucca, in the glorious Tuscany region of northern Italy. For the ninth time we gathered at this idyllic spot to explore and extend the reciprocity between mathematics and engineering. The dynamic interaction between world-renowned scientists from the usually disparate communities of pure mathematicians and applied scientists which occurred at our eight previous ASI's continued at this meeting. The detection and neutralization of unexploded ordnance (UXO) has been of major concern for very many decades; at least since the First World war. UXO continues to be the subject of intensive research in many ?elds of science, incl- ing mathematics, signal processing (mainly radar and sonar) and chemistry. While today's headlines emphasize the mayhem resulting from the placement of imp- vised explosive devices (IEDs), humanitarian landmine clearing continues to draw signi?cant global attention as well. In many countries of the world, landmines threaten the population and hinder reconstruction and fast, ef?cient utilization of large areas of the mined land in the aftermath of military con?icts.

Chdk

In the last decade, digital media technologies and developments have given rise to exciting new forms of ludic, or playful, engagements of citizens in cultural and societal issues. From the Occupy movement to playful city-making to the gameful designs of the Obama 2008 and Trump 2016 presidential campaigns, and the rise of citizen science and ecological games, this book shows how play is a key theoretical, methodological, and practical principle for comprehending such new forms of civic engagement in a mediatized culture. The Playful Citizen explores how and through what media we are becoming more playful as citizens and how this manifests itself in our ways of doing, living, and thinking. We offer a pluralistic answer to such questions by bringing together scholars from different fields such as game and play studies, social sciences, and media and culture studies. Bron: Flaptekst, uitgeversinformatie.

Geogames and Geoplay

Now refreshed with current technologies and terms, and more than 25 percent new images and an all-new chapter, this bestselling guide shows readers how to shoot great photographs with any type of camera.

The Publishers' Trade List Annual

Understanding Flash Photography

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.

Pattern Recognition

This book is a printed edition of the Special Issue "UAV or Drones for Remote Sensing Applications" that was published in Sensors

Building Smart Drones with ESP8266 and Arduino

Computers as Components, Second Edition, updates the first book to bring essential knowledge on embedded systems technology and techniques under a single cover. This edition has been updated to the state-of-the-art by reworking and expanding performance analysis with more examples and exercises, and coverage of electronic systems now focuses on the latest applications. It gives a more comprehensive view of multiprocessors including VLIW and superscalar architectures as well as more detail about power consumption. There is also more advanced treatment of all the components of the system as well as in-depth coverage of networks, reconfigurable systems, hardware-software co-design, security, and program analysis. It presents an updated discussion of current industry development software including Linux and Windows CE. The new edition's case studies cover SHARC DSP with the TI C5000 and C6000 series, and real-world applications such as DVD players and cell phones. Researchers, students, and savvy professionals schooled in hardware or software design, will value Wayne Wolf's integrated engineering design approach. * Uses real processors (ARM processor and TI C55x DSP) to demonstrate both technology and techniquesShows readers how to apply principles to actual design practice. * Covers all necessary topics with emphasis on actual design practiceRealistic introduction to the state-of-the-art for both students

and practitioners. * Stresses necessary fundamentals which can be applied to evolving technologieshelps readers gain facility to design large, complex embedded systems that actually work.

Unexploded Ordnance Detection and Mitigation

Quantitative studies on structure-activity and structure-property relationships are powerful tools in directed drug research. In recent years, various strategies have been developed to characterize and classify structural patterns by means of molecular descriptors. It has become possible not only to assess diversities or similarities of structure databases, but molecular descriptors also facilitate the identification of potential bioactive molecules from the rapidly increasing number of compound libraries. They even allow for a controlled de-novo design of new lead structures. This is the most comprehensive collection of molecular descriptors and presents a detailed review from the origins of this research field up to present day. This practically oriented reference book gives a thorough overview of the different molecular descriptors representations and their corresponding molecular descriptors. All descriptors are listed with their definition, symbols and labels, formulas, some numerical examples, data and molecular graphs, while numerous figures and tables aid comprehension of the definitions. Cross-references throughout, a list of acronyms and notations allow easy access to the information needed to solve a specific research problem. Examples of descriptor calculations along with tables of descriptor values for a set of selected reference compounds and an up-to-date reference list add to the practical value of the book, making it an invaluable guide for all those dealing with bioactive molecules as well as for researchers.

PC World

The book addresses "geeky" owners of Canon consumer cameras who would like to explore the possibilities of their cameras, and eventually tweak them to do things way beyond their original specifications, such as - RAW file (or DNG) support in addition to the camera's JPEG output - Manual control for aperture, shutter speed, and ISO - Expand shutter speeds way beyond the specification limits - Enable bracketing The hacks are based on the Canon Hack Development Kit (CHDK), a free software maintained by a group of enthusiasts. Many scripts are already published on the web. The book teaches how to use existing scripts and how to write new ones. Canon cameras, especially their consumer lines of PowerShot/IXUS cameras, allow the user to temporarily upload so called add-ons into the camera through the memory card. The next time the camara is switched on, the add-on is active, when the camera is switched off, the camera returns to its original state, so there is no risk of loosing the manufacturers warranty.

Lighting for Photographers

Welded structural connections have long been used in the construction of buildings, bridges, and other structures. This manual is published for guidance and challenge to architects, structural engineers, fabricators and contractors as well educate for these professions. Illustrated with drawings and photographs. (jvl).

Dictionary Catalog of the Departmental Library, Supplement 1-

This book consists of articles from Wikia or other free sources online. Pages: 758. Chapters: Articles in other languages, Cameras, CHDK-Talk, CHDK internals, Development, Language files, Lua, Related Programs, Samples, Scripts, Slovak, UBASIC, Greek, ACID, Benchmarks, BenchmarkVideo60Sec, Bootable SD card, CameraFeatures, CameraVersion, Camera Power Consumption, CardTricks, CHDK firmware usage, CHDK in Brief, CHDK User Manual, CheatSheets, FAQ, Features, Glossary, Grids, Installation, Languages, Legacy, Links, Motion detection settings, Precautions, RBF fonts, Software, SpecialBuilds, Suggestions, Adding Firmware Features, CHDK Coding Guidelines, CHDK Tools, Event Procedure, ExMem - enabling and loading CHDK into extended memory., For Developers, LogicalEvent, P-ID, 1000D, 1D Mark IV, 30D, 350D, 400D, 40D, 450D, 500D, 50D, 550D, 5D, 5D Mark II, 60D, 7D, A1000, A1000IS, A1100, A1100IS, A1200, A2000, A2000IS, A2100, A2100IS, A2200, A3000, A3000IS, A3100, A3100IS, A3200IS, A410, A420, A430, A450, A460, A470, A480, A490, A495, A530, A540, A550, A560, A570, A570 IS, A580, A590, A590IS, A610, A620, A630, A640, A650IS, A700, A710, A710IS, A720, A720IS, CHDK, D10, E1, ELPH100, ELPH300, ELPH500, G10, G11, G12, G7, G9, IXUS100IS, IXUS110IS, Ixus700, IXUS860IS, IXUS870IS, IXUS95IS, IXUS960IS, IXUS980IS, IXUS990IS, Ixus 100, Ixus 105, Ixus 115, Ixus 200, Ixus 210, Ixus 220, IXUS 300, IXUS 50, IXUS 55, IXUS 60, IXUS 70, IXUS 700, IXUS 75, IXUS 80, IXUS 800, IXUS 82, IXUS 85, Ixus 850, Ixus 870, Ixus 90, IXUS 900, IXUS 95, IXUS 950, IXUS 960, IXUS 970, Ixus 980, Ixus 990, Official Canon firmware updates, PropertyCase, S2, S2IS, S3, S3IS, S5, S5IS, S80, S90, SD1000, SD1100, SD1100IS, SD1200, SD1200IS, SD1300, SD1300IS, SD1400, SD1400IS, SD200, SD30, SD300, SD3500IS, SD400, SD4000, SD450, SD4500, SD500, SD550, SD600, SD630, SD700, SD700IS, SD750, SD770, SD770IS, SD780, SD780IS, SD790, SD790IS, SD800IS, SD850, SD850IS, SD870, SD880IS, SD890, SD890IS, SD900, SD940, SD950, SD960, ..

UAV or Drones for Remote Sensing Applications

This book brings together contributions from researchers, GIS professionals and game designers to provide a first overview of this highly interdisciplinary field. Its scope ranges from fundamentals about games and play, geographic information technologies, game design and culture, to current examples and forward looking analysis. Of interest to anyone interested in creating and using Geogames, this volume serves as a channel for sharing early experiences, discussing technological challenges and solutions, and outlines a future research agenda. Games and play are part of human life, and in many game activities, place, space and geography plays a central role in determining the rules and interactions that are characteristic

of each game. Recent developments and widespread access to mobile information, communication, and geospatial technologies have spurred a flurry of developments, including many variations of gaming activities that are situated in, or otherwise connected to the real world.

Moody's Industrial Manual

With fully illustrated star charts, gorgeous astrophotography and step-by-step project instruction, this family friendly book is the only guide you'll ever need to navigate the nightsky. Learn about the phases of the moon, how to conduct your own deep-sky observations, how the universe is expanding, our search for life on other planets, meteors vs. meteorites, sunspots and solar flares, best eclipse-viewing techniques—everything you need to know to appreciate the wonder of our universe. Based in San Francisco, the Astronomical Society of the Pacific has a 125-year history of providin

The HDRI Handbook 2.0

The Canon Camera Hackers Manual

In this book, David Pereira leads you on an edifying and inspiring journey into the depths of the HDR photographer's digital darkroom. Through his lucid, in depth, and step-by-step tutorials on HDR, you will quickly master the essential ingredients of professional-looking HDR images, while learning how to surmount the common pitfalls of HDR photography that stymie most novices. Some of the best HDR programs such as Photomatix and HDR Efex are discussed in detail. Furthermore, entire chapters devoted to tutorials on image manipulation via layers in Photoshop will transform you into a master digital artist, capable of harnessing the power of Photoshop, even if you have no prior knowledge of it. Separate chapters on the intricacies of Composition and Color Theory will fashion you into a consummate photographer, capable of framing landscapes with a photographer's eye for maximum evocative power. Finally, an entire chapter is devoted to the nuances of Color Management, so that your prints match what you see on-screen. To top it off, all of the raw photographs used by the author to create HDR images are available for download on his website, http://www.pixelsandpaintstrokes.com.

Arduino Cookbook

Presents an introduction to the open-source electronics prototyping platform.

The Art of HDR Photography

This guide to on- and off-camera flash picks up where Peterson's "Understanding Exposure" leaves off, helping free photographers from the limitations of auto to get the images they want when natural light isn't enough.

Handbook of Molecular Descriptors

Structure from Motion with Multi View Stereo provides hyperscale landform models using images acquired from standard compact cameras and a network of ground control points. The technique is not limited in temporal frequency and can provide point cloud data comparable in density and accuracy to those generated by terrestrial and airborne laser scanning at a fraction of the cost. It therefore offers exciting opportunities to characterise surface topography in unprecedented detail and, with multi-temporal data, to detect elevation, position and volumetric changes that are symptomatic of earth surface processes. This book firstly places Structure from Motion in the context of other digital surveying methods and details the Structure from Motion workflow including available software packages and assessments of uncertainty and accuracy. It then critically reviews current usage of Structure from Motion in the geosciences, provides a synthesis of recent validation studies and looks to the future by highlighting opportunities arising from developments in allied disciplines. This book will appeal to academics, students and industry professionals because it balances technical knowledge of the Structure from Motion workflow with practical guidelines for image acquisition, image processing and data quality assessment and includes case studies that have been contributed by experts from around the world.

The Playful Citizen

Leverage the WiFi chip to build exciting Quadcopters Key Features Learn to create a fully functional Drone with Arduino and ESP8266 and their modified versions of hardware. Enhance your drone's functionalities by implementing smart features. A project-based guide that will get you developing next-level drones to help you monitor a particular area with mobile-like devices. Book Description With the use of drones, DIY projects have taken off. Programmers are rapidly moving from traditional application programming to developing exciting multi-utility projects. This book will teach you to build industry-level drones with Arduino and ESP8266 and their modified versions of hardware. With this book, you will explore techniques for leveraging the tiny WiFi chip to enhance your drone and control it over a mobile phone. This book will start with teaching you how to solve problems while building your own WiFi controlled Arduino based drone. You will also learn how to build a Quadcopter and a mission critical drone. Moving on you will learn how to build a prototype drone that will be given a mission to complete which it will do it itself. You will also learn to build various exciting projects such as gliding and racing drones. By the end of this book you will learn how to maintain and troubleshoot your drone. By the end of this book, you will have learned to build drones using ESP8266 and Arduino and leverage their functionalities to the fullest. What you will learn Includes a number of projects that utilize different ESP8266 and Arduino capabilities, while interfacing with external

hardware Covers electrical engineering and programming concepts, interfacing with the World through analog and digital sensors, communicating with a computer and other devices, and internet connectivity Control and fly your quadcopter, taking into account weather conditions Build a drone that can follow the user wherever he/she goes Build a mission-control drone and learn how to use it effectively Maintain your vehicle as much as possible and repair it whenever required Who this book is for If you are a programmer or a DIY enthusiast and keen to create a fully functional drone with Arduino and ESP8266, then this book is for you. Basic skills in electronics and programming would be beneficial. This book is not for the beginners as it includes lots of ideas not detailed how you can do that. If you are a beginner, then you might get lost here. The prerequisites of the book include a good knowledge of Arduino, electronics, programming in C or C++ and lots of interest in creating things out of nothing.

Chdk - Development

! BONUS DVD ONLY WITH THE PRINT EDITION (NOT AVAILABLE WITH eBOOKS) ! In 2007, The HDRI Handbook was the first book to present this revolutionary new field to a larger audience. These days HDRI is a fully mature technology available to everyone. Real estate and landscape photographers have adopted it as part of their regular workflow, it has become one of the hottest trends for ambitious amateurs and creative professionals alike, and the modern movie industry would be completely dysfunctional without it. Now The HDRI Handbook 2.0 redefines its own gold standard. It has been completely rewritten and is packed with practical hints and tips, background knowledge, reference tools, breathtaking artist portfolios, and inspiring interviews. The book includes dozens of new step-by-step tutorials. Beginners will get a methodically solid introduction and advanced readers will be able to refine their technique to perfection. Topics include:- Understanding the foundation of HDRI- HDR software comparisons and evaluations- Capturing HDR images: today and tomorrow- Tonemapping for creating superior prints- HDR image processing and compositing- Shooting and stitching HDR panoramas- Image-based lighting and CG rendering 2.0 updates include:- New cameras, sensors, and HDR beamsplitter rigs- Open Camera Controller for endless auto-bracketing- Correct RAW pre-processing and ghost removal- Dozens of practical, easy-to-follow tutorials- A structured approach to tonemapping, inspired by Ansel Adams- Set etiquette and tips for capturing HDR panos for visual effects- Seven artist spotlights showing unique perspectives on HDRI- Seven crossword puzzles: a fun way to test yourself ! BONUS DVD ONLY WITH THE PRINT EDITION (NOT AVAILABLE WITH eBOOKS) !

Structure from Motion in the Geosciences

This guide book explains all operations, features, menus, and controls of the Canon PowerShot S110 camera, providing information about how to accomplish things with the camera as well as when and why to use certain features. The book explains topics such as autofocus, manual focus, depth of field, aperture priority, shutter priority, HDR (High Dynamic

Range) photography, white balance, ISO, and macro photography, in the context of getting great results with Canon's highly pocketable camera. The book gives details about how to take advantage of the camera's varied array of "Scene" and "Creative Filters" shooting settings. The guide's more than 300 photographs, almost all in full color, illustrate the camera's controls and menus and include examples of the photographs that can be taken using the S110's many options, including the Creative Filters settings, which alter the color processing and other aspects of images; menu options such as i-Contrast and digital zoom; and the camera's strong features for continuous shooting. In addition, the book goes beyond the realm of everyday photography with introductions to topics such as infrared photography, street photography, and using the Raw format, which permits a wide range of adjustments to images after they have been captured. The book also explains the video recording abilities of the PowerShot S110, which can record high-definition (HD) video with stereo sound and can take "Super Slow Motion" movies that slow down action by a factor of eight. In three appendices, the book discusses accessories, including cases, a filter adapter, and external flash units; contains a list of useful web sites and other resources; and includes helpful "quick tips" that give particular insights into how to take best advantage of the camera's features.

Studies in Temporal Urbanism

Sound is almost always around us, anywhere, at any time, reaching our ears and stimulating our brains for better or worse. Sound can be the disturbing noise of a drill, a merry little tune sung by a friend, the song of a bird in the morning or a clap of thunder at night. The science of sound, or acoustics, studies all types of sounds and therefore covers a wide range of scientific disciplines, from pure to applied acoustics. Research dealing with acoustics requires a sound to be recorded, analyzed, manipulated and, possibly, changed. This is particularly, but not exclusively, the case in bioacoustics and ecoacoustics, two life sciences disciplines that attempt to understand and to eavesdrop on the sound produced by animals. Sound analysis and synthesis can be challenging for students, researchers and practitioners who have few skills in mathematics or physics. However, deciphering the structure of a sound can be useful in behavioral and ecological research – and also very amusing. This book is dedicated to anyone who wants to practice acoustics but does not know much about sound. Acoustic analysis and synthesis are possible, with little effort, using the free and open-source software R with a few specific packages. Combining a bit of theory, a lot of step-by-step examples and a few cases studies, this book shows beginners and experts alike how to record, read, play, decompose, visualize, parametrize, change, and synthesize sound with R, opening a new way of working in bioacoustics and ecoacoustics but also in other acoustic disciplines.

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