Learn Panoramic Photography With Autopano Pro Dvd | 003b75581b2b7b22ce2f4e7b3d50b2da

Mixed Reality and Gamification for Cultural HeritageVirtual Reality PhotographyLearning OpenCV 3Cloud Connectivity and Embedded Sensory SystemsGlobal Geographical Heritage, Geoparks and GeotourismPractical Police PhotographyComplete Guide to High Dynamic Range Digital PhotographyA Year in the Life of a Bus-Traveling PoetThe Canon Camera Hackers ManualHeritage and Archaeology in the Digital AgeJohn Shaw's Guide to Digital Nature PhotographyThe Art of HDR PhotographyInnovative Models for Sustainable Development in Emerging African CountriesThe Art, Science, and Craft of Great Landscape PhotographySerious Games and Edutainment ApplicationsNew Perspectives on Computer Concepts 2018: ComprehensiveEyes over the WorldPainting with LightGame Development with BlenderJohn Shaw's Nature Photography Field GuideUltimate Field Guide to Travel PhotographyGo Wider with Panoramic PhotographyEssentials of Dental Radiography and Radiology E-BookMac LifeFaces of GeometryThe Adventures of Rainbow MouseHuman-Computer Interaction – INTERACT 2017Science for the Curious PhotographerDrone Operator's LogbookNew Perspectives on Computer Concepts 2018: IntroductoryICGG 2018 - Proceedings of the 18th International Conference on Geometry and GraphicsPhotography with Tilt and Shift LensesThe HDRI Handbook 2.0Rock Art of the Lower PecosLearning Panoramic Photography with Kolor AutopanoThe White Shaman MuralMastering Digital Panoramic PhotographyThe Rise of Big Spatial DataComputational PhotographyGIMP 2.8 for Photographers

Mixed Reality and Gamification for Cultural Heritage

In Go Wider with Panoramic Photography, author and photographer Scott Wyden Kivowitz shares his insights and offers techniques for creating segmented panoramic photography, which involves manually capturing a single row of photographs and combining them into a panorama. You'll develop the skills that go into making panoramic photographs, from setup to capture and postprocessing. Along the way, you'll pick up important tips on stitching and editing that will help you make great panoramic photographs—and have fun, too! Follow along with Scott and you will: Learn everything you need to get started creating great panoramic shots—from essential equipment like tripods and filters to the right exposure settings to capture the scene. Explore techniques for making the frames for your shots, including setting up your tripod, leveling the camera, adjusting space between frames, and composing your images. Walk through the process of editing a panoramic shot, learning how to stitch your images together, make image adjustments, and more.

Virtual Reality Photography

"The volume reports on interdisciplinary discussions and interactions between theoretical research and practical studies on geometric structures and their applications in architecture, the arts, design, education, engineering, and mathematics. These related fields of research can enrich each other and renew their mutual interest in these topics through networks of shared inspiration, and can ultimately enhance the quality of geometry and graphics education. Particular attention is dedicated to the contributions that women have made to the scientific community and especially mathematics. The book introduces engineers, architects and designers interested in computer applications, graphics and geometry to the latest advances in the field, with a particular focus on science, the arts and mathematics education"-- Prové de l'editor.

Learning OpenCV 3

Cloud Connectivity and Embedded Sensory Systems

This volume on virtual and augmented reality (VR/AR) and gamification for cultural heritage offers an insightful introduction to the theories, development, recent applications and trends of the enabling technologies for mixed reality and gamified interaction in cultural heritage and creative industries in general. It has two main goals: serving as an introductory textbook to train beginning and experienced researchers in the field of interactive digital cultural heritage, and offering a novel platform for researchers in and across the culturally-related disciplines. To this end, it is divided into two sections following a pedagogical model developed by the focus group of the first EU Marie S. Curie Fellowship Initial Training Network on Digital Cultural Heritage (ITN-DCH): Section I describes recent advances in mixed reality enabling technologies, while section II presents the latest findings on interaction with 3D tangible and intangible digital cultural heritage. The sections include selected contributions from some of the most respected scholars, researchers and professionals in the fields of VR/AR, gamification, and digital heritage. This book is intended for all heritage professionals, researchers, lecturers and students who wish to explore the latest mixed reality and gamification technologies in the context of cultural heritage and creative industries. It pursues a pedagogic approach based on trainings, conferences, workshops and summer schools that the ITN-DCH fellows have been following in order to learn how to design next-generation virtual heritage applications, systems and services.

Global Geographical Heritage, Geoparks and Geotourism

Computational Photography combines plentiful computing, digital sensors, modern optics, actuators, probes, and smart lights to escape the limitations of traditional film cameras and enables novel imaging applications. This book provides a practical guide to topics in image capture and manipulation methods for generating compelling pictures for graphics, special effects, scene comprehension, and art. The computational techniques discussed cover topics in exploiting new ideas in manipulating optics, illumination, and sensors at time of capture. In addition, the authors describe sophisticated reconstruction procedures from direct and indirect pixel measurements that go well beyond the traditional digital darkroom experience.

Practical Police Photography

Boyd seed a way that hunter-gatherer artists expressed their belief systems; provided a mechanism for social and environmental adaptation; and acted as agents in the social, economic, and ideological affairs of the community. She offers detailed information gleaned from the art regarding the nature of the Lower Pecos cosmos, ritual practices involving the use of sacramental and medicinal plants, and hunter-gatherer lifeways.

Complete Guide to High Dynamic Range Digital Photography

The four-volume set LNCS 10513[10516 constitutes the proceedings of the 16th IFIP TC 13 International Conference on Human-Computer Interaction, INTERACT 2017, held in Mumbai, India, in September 2017. The total of 68 papers presented in these books was carefully reviewed and selected from 221 submissions. The contributions are organized in topical sections named: Part I: adaptive design and mobile applications; aging and disabilities; assistive technology for blind users; audience engagement; co-design studies; cultural differences and communication technology; design rationale and camera-control. Part II: digital inclusion; games; human perception, cognition and behavior; information on demand, on the move, and gesture interaction; interaction at the workplace; interaction with children. Part III: mediated communication in health; methods and tools for user interface evaluation; multi-touch interaction; new interaction techniques; personalization and visualization; persuasive technology and rehabilitation; and pointing and target selection. Part IV: security and trust; social media and design innovation; UX adoption in the organizations; virtual reality and feeling of immersion; case studies; courses; demonstrations; interactive posters; field trips.

A Year in the Life of a Bus-Traveling Poet

The Art, Science, and Craft of Great Landscape Photography teaches photographers how to convert their visual peak experiences-moments of extraordinary natural beauty that evoke a sense of wonder and awe-into stunning images that elicit the same awestruck emotion in their viewers. Randall is an experienced wilderness photographer, and whether you want to venture into the mountains for once-in-a-lifetime shots of raw nature, or simply hone your landscape photography skills from the safety of your back deck, Randall explains the art, science and craft of creating astounding images.Randall begins by focusing on the art of landscape photography. He describes his three-step process for composing a photograph and shows how good composition is an organic process that begins with rules but ultimately transcends them. Randall then explores the science behind successful landscape photographs, which requires understanding key concepts from geography, optics, vision, and psychology. These concepts include: Understanding how the position of the sun at sunrise and sunset varies throughout the year, which will help you plan when and where to shoot. Understanding optics to predict where rainbows will appear, how polarizers will interact with reflections, and where to find spectacular light. Understanding how to use topographic maps and computerized mapping tools to help you find the most promising shooting locations in the wilderness. Understanding how our visual system analyzes images and the psychology of how we view art. These insights will help you produce successful photographs. Exposure is a central aspect of the craft of landscape photography, and Randall tackles the challenges of this topic from every angle-from tips on calculating exposures in the field, to achieving correct exposure in high-contrast lighting situations, to the best digital darkroom techniques.Great landscape photography can be mastered with practice and by applying the techniques taught in this book. The Art, Science, and Craft of Great Landscape Photography is intended for those who already understand the basics of photography and who are ready to master the finer nuances of creating magnificent landscape photographs. Foreword by Reid Callanan Director, Santa Fe Photographic Workshops

The Canon Camera Hackers Manual

Federal Aviation Regulations, COA, & Section 333 Exemption Compliant. This logbook has been specifically designed to be compliant with 14 CFR 61.51, Section 333 exemptions, and COA logbook requirements. Easy COA Reporting. If you have MULTIPLE aircraft, this will NOT work. Buy one logbook for each drone. The FAA requires that commercial operators who have 333 exemptions and "blanket" COA's to file monthly reports. It is EXTREMELY annoying to log all this information and then send it in via email. If you have one drone per logbook, do not have any takeoff or landing damage, equipment malfunctions, or lost link events, you could simply make scans of the pages for the month and email them into the FAA. The COA's say, "number of flights (per location, per aircraft)" & "total aircraft operational hours[.]" The columns only support one aircraft; however, recreational flyers could list multiple aircraft because they are currently not required to report. Disclaimer: Current FAA "blanket" COAs say "must submit the following information" and do not explicitly say scans are acceptable. The FAA could issue guidance in the future further clarifying the mode of report (text in email vs. scan in email). It is up to YOU to keep up to date on this. The FAA or Law Enforcement Can Request Your Logbook. 14 C.F.R. § 61.51(i) says, "Persons must present their pilot certificate, medical certificate, logbook, or any other record required by this part for inspection upon a reasonable request by" the FAA, an authorized representative from the National Transportation Safety Board, or any Federal, State, or local law enforcement officer. If your electronic logbook is on your device, do you really want to give law enforcement or the FAA your device? Furthermore, how are you to get the data off that device? Insurance. When you apply for insurance, they will ask you to fill out a form that is going to ask for all sorts of information. A logbook will assist you in filling out the form so you can receive the most accurate quote. Marketing. Showing a completed logbook to a potential customer is a great marketing point. Like the old adage, "A picture is worth a thousand words," a good logbook is worth a thousand flights. You can quickly demonstrate your flight experience by flipping through the pages. Furthermore, a well-kept and orderly logbook gives the impression that you are a professional. Required in Other Countries. Other countries such as South Africa require the drone logbook to be in paper. Paper is the current industry standard. Going for a Certificate/Rating. Individuals can use this logbook to apply their experience towards UAS certificates / ratings. While the FAA is still working on creating certificates and ratings, you can prepare for the future by logging everything now. Less Cumbersome. If you are marketing to a potential client, you can scan pages of your logbook and send it to them. It is more cumbersome to get the data off a phone or website. Very Little Problems. What happens if your phone is stolen, water damaged, battery dies, or there is poor cell phone signal? Paper does not need a cell signal or batteries. No Data Theft.

You don't have to worry about data theft like you would with a website or an app. Fidelity. Electronic logbooks can be changed while pen and paper is permanent.

Heritage and Archaeology in the Digital Age

This is the first of Marcia's children's books, and the first in Timothy's Rainbow Mouse Adventures series!! Timothy Mouse is a very shy mouse, always deferring to adults whenever something new arises. But when Timothy's little sister Squeaky has an accident, will Timothy and his friends be able to save the day? Come and join Timothy and his friends to find out more!! NB: The text in this book is set with OpenDyslexic font, which makes it easier for those with reading challenges. Proudly printed in Canada by Friesens Corporation, on Forest Stewardship Council (FSC)-certified paper.

John Shaw's Guide to Digital Nature Photography

Essentials of Dental Radiography and Radiology E-Book

The Art of HDR Photography

In today's world where technology impacts every aspect of life, you need to know how to evaluate devices, choose apps, maintain a professional online reputation, and ensure digital security. NEW PERSPECTIVES ON COMPUTER CONCEPTS 2018, COMPREHENSIVE offers the insights to help. This book goes beyond the intuitive how-to of apps and social media to delve into broad concepts that are guiding current technologies such as self-driving cars, virtual reality, file sharing torrents, encrypted communications, photo forensics, and the Internet of Things. Numerous illustrations and interactive features make mastering technical topics a breeze, while the book's proven learning path is structured with today's busy reader in mind. This edition offers an insightful overview of what today's readers must know about using technology to complete an education, secure a successful career, and engage in issues that shape today's world. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Innovative Models for Sustainable Development in Emerging African Countries

A practical reference draws on the expertise of National Geographic Traveler photographers to include coverage of panoramas, portraits and narrative series while sharing guidelines for selecting and transporting equipment. Original.

The Art, Science, and Craft of Great Landscape Photography

MacLife is the ultimate magazine about all things Apple. It's authoritative, ahead of the curve and endlessly entertaining. MacLife provides unique content that helps readers use their Macs, iPhones, iPods, and their related hardware and software in every facet of their personal and professional lives.

Serious Games and Edutainment Applications

New Perspectives on Computer Concepts 2018: Comprehensive

GAME DEVELOPMENT WITH BLENDER is the complete guide to the Blender game engine. More than two years in the making, the book spans topics ranging from logic brick and physics to graphics, animation, scripting, and more. Each chapter covers in detail a different aspect of the Blender game engine, with tutorials, extensive documentation, and valuable advice on when to use the tools--all distilled from the authors' 20 years of combined Blender experience. Blender is a free, open-source 3D content-creation suite, a powerful and flexible platform that allows you to build games and interactive applications such as architecture walk-throughs, science visualizations, experimental projects, and much more. In this comprehensive guide, you will learn how to design a complete game from beginning to end, create games without writing a single line of code, bring your 3D characters to life with animations, unleash the power of material creation with nodes, have fun making JELL-O bounce with the physics engine, program in Python like a pro, make your games run faster using lightmaps and normal maps, publish your games for Windows, Mac, and Linux, and improve your games by learning from 10 real-world projects. This book has been prepared for the release of Blender 2.66a, ensuring that you have the most up-to-date information in your hands. Whether you are new to Blender or a seasoned Blenderhead, GAME DEVELOPMENT WITH BLENDER will help you create the games you've always wanted. Purchasing this book also gives you access to more than 100 online companion files, which include tutorials, sample files, and extra demos that will help you get the most out of the Blender game engine.

Eyes over the World

Editor, Gerhard Rossbach; translation, Jeremy Cloot.

Painting with Light

The unusual perspective of a panoramic image creates a unique and intriguing visual experience for the viewer. Skillfully executed, panoramic photography can realize scenes which could otherwise never be captured in an image or seen with the naked eye. Panoramas offer new possibilities for creative photographers, either as flat, two-dimensional images, or mapped into a 3D space that can be visited on a virtual tour. New, powerful, panorama software makes the workflow easier and more efficient than ever before. Author Harald Woeste takes the reader on a tour from the basics of capturing panoramas, all the way through stitching, editing, and printing panoramic images. He provides a detailed description of the necessary equipment and materials, as well as the various software tools that can be used in the workflow. The latter half of the book illustrates the making of panoramas through a number of example projects. In Mastering Digital Panoramic Photography you will find everything you need to know to create amazing panoramic images.

Game Development with Blender

Folded plate (1 leaf, 39 x 61 cm, folded to 19 x 16 cm) in pocket.

John Shaw's Nature Photography Field Guide

This open access book explores key issues and presents recent case studies in areas of importance for the transition to a circular model of development in emerging African countries that will minimize resource consumption and waste production. The topics covered include the development of sustainable housing models, energy and environmental issues in building design and technical systems, recycling for a sustainable future, models for humanitarian emergencies, and low-cost and web-based digital tools with applications in architecture and archaeology. The aim is to contribute to a necessary paradigm shift with respect to urban planning and usage of territories, moving from a linear urban

metabolism based on the ‖take, make, dispose‖ approach to a circular metabolism. Such a change requires a focus on the relationship between the architectural, urban, and physical aspects of new developments, climate, and energy demand, as well as the identification and integration of strategies and infrastructures to achieve a high level of efficiency and self-sufficiency. The book will appeal to all with an interest in sustainable development in the African context.

Ultimate Field Guide to Travel Photography

Over an entire year, with her bus pass, pens and paper in hand, poet Marcia Mae Nelson Pedde travels by local transit all around her new hometown. Quite simply, she falls in love with the city of Victoria, British Columbia, Canada. From elucidating the incredible beauty that is Victoria to revealing the simplicity and the elegance at its very heart, Marcia expresses her admiration for both the people who call this place home, and those who journey here from all over the globe to experience this City of Gardens. Marcia records her own personal perceptions of it all as she also journeys ever deeper into herself. In both verse and prose, there is beauty, poetry and play between these covers. Come, travel through the city that is Victoria. Learn to love it ‖ one story and one poem at a time. This book is available in paperback as well as Kindle and e-pub versions.

Go Wider with Panoramic Photography

This book explores the geographical, geomorphological, ecological, touristic and socioeconomic aspects of natural heritage, argues for the dynamic conservation of that heritage and explains its key characteristics, promotion, conservation and management to achieve sustainable development goals. Emerging concepts such as geodiversity, geographical heritage sites, geomonuments, geoparks and geotourism are increasingly being used by conservationists. At present, the development of geoparks is a major global theme involving the application of geosciences to promote the inclusive growth of society and the protection and conservation of our unique geoheritage. Currently, there are 147 UNESCO global geoparks across 41 countries, in addition to a number of national-level geoparks. Pursuing a holistic approach towards such sites will sensitise the general public to the need for geoconservation of significant geosites and promote it through geotourism. It is a crucial issue, as various countries around the world are eager to develop their geoparks and are working for the conservation of geoheritage sites at the national level. This unique book gathers contributions from 15 countries in the form of case studies analysing the realities on of geographical heritage, geoparks and geotourism. The respective chapters address the role of geoparks as essential tools for education, recreation and nature conservation. Given its scope, the book offers a valuable guide for geoscientists, planners, policymakers, civil society and anyone concerned about the conservation of geoheritage sites and geoparks for a sustainable future Earth.

Essentials of Dental Radiography and Radiology E-Book

A reference book on the art and techniques of virtual reality photography by one of the pioneers in the field, Scott Highton.The book includes sections on Photography Basics, Panoramic VR Imaging, Object VR Imaging, and Business Practices.Intended audience includes both professional and amateur photographers, as well as multimedia authors and designers.

Mac Life

In today‖s world where technology impacts every aspect of life, you need to know how to evaluate devices, choose apps, maintain a professional online reputation, and ensure digital security. NEW PERSPECTIVES ON COMPUTER CONCEPTS 2018, INTRODUCTORY offers the insights to help. This book goes beyond the intuitive how-to of apps and social media to delve into broad concepts that are guiding current technologies such as self-driving cars, virtual reality, file sharing torrents, encrypted communications, photo forensics, and the Internet of Things. Numerous illustrations and interactive features make mastering technical topics a breeze, while the book‖s proven learning path is structured

with today's busy reader in mind. This edition offers an insightful overview of what today‖s readers must know about using technology to complete an education, secure a successful career, and engage in issues that shape today's world. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Faces of Geometry

It‖s the latest and hottest technique, made possible only through digital. High Dynamic Range photography is the process of taking several pictures of a scene at various exposures, then merging them into one file. So the entire photo can look crisp and detailed, from highlights to midtones to shadows--and photographers needn‖t sacrifice any part of their image. And the best way to master this exciting technology is with this thorough, easy-to-follow, and visually spectacular guide. No other title does justice to these cutting-edge techniques, which actually take the viewer into worlds far beyond normal photography--sometimes even beyond normal human perception. Ferrell McCollough, a widely respected photographer, pushes the boundaries and inspires others to pursue their artistic vision, too. The amazing results simply can‖t be achieved any other way.

The Adventures of Rainbow Mouse

Sensor networks are meant to create awareness in space and time. They may be measuring the presence of an object or a condition, characterizing an object stream or a situational pattern, or even detect abnormalities that are to occur. This book provides new theory on the design of wireless sensor networks, based on concepts developed for large-scale, distributed computing environments known as ‖cloud computing.‖ It provides a single-source entry into the world of intelligent sensory networks, with a step-by-step discussion of building case studies that capture the requirements, taking into account practical limitations of creating ambient intelligence. The reader will not only achieve a better understanding of sensory clouds, swarms and flocks but is also guided by examples of how to design such networks taking the typical characteristics of diverse application areas into account.

Human-Computer Interaction ‖ INTERACT 2017

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.

Science for the Curious Photographer

Practical Police Photography was originally published as a PDF ebook for distance learning forensic science classes at the university level. Amazon makes if possible to publish an extensively revised edition as both an ebook and as a paperback. Rather than repeat what others have written, the text includes details on the many sources that can provide additional information for readers who want to dig deeper.

Drone Operator's Logbook

Image editing is a crucial element in the photographic workflow. Image editing tools, most notably Photoshop, are usually sophisticated and deep applications, and are fairly expensive. The only open source tool in this market is the GIMP, which has developed into a powerful, multiplatform system running on Linux, Mac OS X, and Microsoft Windows. GIMP 2.8 for Photographers is a beginner's guide to the only open source image editing tool that provides a no-cost alternative to expensive programs such as Photoshop. Topics include the new user interface and tools, the basics of image editing and simple adjustments, advanced techniques using layers and masks, developing RAW images, working with the improved text tool, and preparing high-quality black-and-white images. The most important editing functions are presented in individual, easy-to-follow workshops. A bonus section on the included DVD describes special techniques for web graphics. GIMP 2.8 for Photographers has evolved from classroom materials that the author developed and taught in courses and workshops on image editing with the GIMP.

New Perspectives on Computer Concepts 2018: Introductory

This edited volume gathers the proceedings of the Symposium GIS Ostrava 2016, the Rise of Big Spatial Data, held at the Technical University of Ostrava, Czech Republic, March 16–18, 2016. Combining theoretical papers and applications by authors from around the globe, it summarises the latest research findings in the area of big spatial data and key problems related to its utilisation. Welcome to dawn of the big data era: though it□s in sight, it isn□t quite here yet. Big spatial data is characterised by three main features: volume beyond the limit of usual geo-processing, velocity higher than that available using conventional processes, and variety, combining more diverse geodata sources than usual. The popular term denotes a situation in which one or more of these key properties reaches a point at which traditional methods for geodata collection, storage, processing, control, analysis, modelling, validation and visualisation fail to provide effective solutions. >Entering the era of big spatial data calls for finding solutions that address all □small data□ issues that soon create □big data□ troubles. Resilience for big spatial data means solving the heterogeneity of spatial data sources (in topics, purpose, completeness, guarantee, licensing, coverage etc.), large volumes (from gigabytes to terabytes and more), undue complexity of geo-applications and systems (i.e. combination of standalone applications with web services, mobile platforms and sensor networks), neglected automation of geodata preparation (i.e. harmonisation, fusion), insufficient control of geodata collection and distribution processes (i.e. scarcity and poor quality of metadata and metadata systems), limited analytical tool capacity (i.e. domination of traditional causal-driven analysis), low visual system performance, inefficient knowledge-discovery techniques (for transformation of vast amounts of information into tiny and essential outputs) and much more. These trends are accelerating as sensors become more ubiquitous around the world.

ICGG 2018 - Proceedings of the 18th International Conference on Geometry and Graphics

This book examines how computer-based programs can be used to acquire □big□ digital cultural heritage data, curate, and disseminate it over the Internet and in 3D visualization platforms with the ultimate goal of creating long-lasting □digital heritage repositories.□ The organization of the book reflects the essence of new technologies applied to cultural heritage and archaeology. Each of these stages bring their own challenges and considerations that need to be dealt with. The authors in each section present case studies and overviews of how each of these aspects might be dealt with. While technology is rapidly changing, the principles laid out in these chapters should serve as a guide for many years to come. The influence of the digital world on archaeology and cultural heritage will continue to shape these disciplines as advances in these technologies facilitate new lines of research. serif">The book is divided into three sections covering acquisition, curation, and dissemination (the major life cycles of cultural heritage data). Acquisition is one of the fundamental challenges for practitioners in heritage and archaeology, and the chapters in this section provide a template that highlights the principles for present and future work that will provide sustainable models for digital documentation. Following acquisition, the next section highlights how equally important curation is as the future of digital documentation depends on it. Preservation of digital data requires preservation that can guarantee a future for generations to come. The final section focuses on dissemination as it is what pushes the data beyond the shelves of storage and allows the public to experience the past through these new technologies, but also opens new lines of investigation by

giving access to these data to researchers around the globe. Digital technology promises significant changes in how we approach social sciences, cultural heritage, and archaeology. However, researchers must consider not only the acquisition and curation, but also the dissemination of these data to their colleagues and the public. Throughout the book, many of the authors have highlighted the usefulness of Structure from Motion (SfM) work for cultural heritage documentation; others the utility and excitement of crowdsourcing as a "citizen scientist" tool to engage not only trained students and researchers, but also the public in the cyber-archaeology endeavor. Both innovative tools facilitate the curation of digital cultural heritage and its dissemination. Together with all the chapters in this volume, the authors will help archaeologists, researchers interested in the digital humanities and scholars who focus on digital cultural heritage to assess where the field is and where it is going.

Photography with Tilt and Shift Lenses

Photography legend John Shaw returns with his much-anticipated guide to digital nature photography, complete with more than 250 extraordinarily beautiful photographs. For over four decades, John Shaw's authentic voice and trusted advice has helped photographers achieve impressive shots in the great outdoors. In his first-ever book on digital photography, Shaw provides in-depth advice on everything from equipment and lenses to thorough coverage of digital topics including how to use the histogram. In addition, he offers inspirational and frank insight that goes far beyond the nuts and bolts of photography, explaining that successful photos come from having a vision, practicing, and then acquiring the equipment needed to accomplish the intention. Easily digestible and useful for every type of photographer, and complete with more than 250 jaw-dropping images, John Shaw's Guide to Digital Nature Photography is the one book you'll need to beautifully capture the world around you.

The HDRI Handbook 2.0

An updated bestseller, this book of extraordinarily beautiful photographs of nature contains state-of-the-art instruction on how any photographer can aim for equally impressive results every time a camera is focused on the great outdoors. Even highly skilled photographers are often baffled by the problems facing them when they work outdoors. But with this exceptional field guide in hand, every photographer—beginner, serious amateur, semi-pro, and pro—can conquer the problems encountered in the field. Using his own exceptional work as examples, the author discusses each type of nature subject and how to approach photographing it. Specific advice and information cover selection of equipment and lenses; how to compose a shot; how to get close ups; and other tips covering a range of techniques to enrich various types of nature photographs.

Rock Art of the Lower Pecos

With the continued application of gaming for training and education, which has seen exponential growth over the past two decades, this book offers an insightful introduction to the current developments and applications of game technologies within educational settings, with cutting-edge academic research and industry insights, providing a greater understanding into current and future developments and advances within this field. Following on from the success of the first volume in 2011, researchers from around the world presents up-to-date research on a broad range of new and emerging topics such as serious games and emotion, games for music education and games for medical training, to gamification, bespoke serious games, and adaptation of commercial off-the shelf games for education and narrative design, giving readers a thorough understanding of the advances and current issues facing developers and designers regarding games for training and education. This second volume of Serious Games and Edutainment Applications offers further insights for researchers, designers and educators who are interested in using serious games for training and educational purposes, and gives game developers with detailed information on current topics and developments within this growing area.

Learning Panoramic Photography with Kolor Autopano

This book gathers peer-reviewed papers presented at the 18th International Conference on Geometry and Graphics (ICGG), held in Milan, Italy, on August 3-7, 2018. The spectrum of papers ranges from theoretical research to applications, including education, in several fields of science, technology and the arts. The ICGG 2018 mainly focused on the following topics and subtopics: Theoretical Graphics and Geometry (Geometry of Curves and Surfaces, Kinematic and Descriptive Geometry, Computer Aided Geometric Design), Applied Geometry and Graphics (Modeling of Objects, Phenomena and Processes, Applications of Geometry in Engineering, Art and Architecture, Computer Animation and Games, Graphic Simulation in Urban and Territorial Studies), Engineering Computer Graphics (Computer Aided Design and Drafting, Computational Geometry, Geometric and Solid Modeling, Image Synthesis, Pattern Recognition, Digital Image Processing) and Graphics Education (Education Technology Research, Multimedia Educational Software Development, E-learning, Virtual Reality, Educational Systems, Educational Software Development Tools, MOOCs). Given its breadth of coverage, the book introduces engineers, architects and designers interested in computer applications, graphics and geometry to the latest advances in the field, with a particular focus on science, the arts and mathematics education.

The White Shaman Mural

While there are many books that teach the "how-to" of photography, Science for the Curious Photographer is a book for those who also want to understand how photography works. Beginning with an introduction to the history and science of photography, Charles S. Johnson, Jr. addresses questions about the principles of photography, such as why a camera needs a lens, how lenses work, and why modern lenses are so complicated. Addressing the complex aspects of digital photography, the book discusses color management, resolution, "noise" in images, and the limits of human perception. The creation and appreciation of art in photography is discussed from the standpoint of modern cognitive science. A crucial read for those seeking the scientific context to photographic practice, this second edition has been comprehensively updated, including discussion of DSLRs, mirror-less cameras, and a new chapter on the limits of human vision and perception.

Mastering Digital Panoramic Photography

"This book provides a working guide to the C++ Open Source Computer Vision Library (OpenCV) version 3.x and gives a general background on the field of computer vision sufficient to help readers use OpenCV effectively."--Preface.

The Rise of Big Spatial Data

! 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) !

Computational Photography

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. --

GIMP 2.8 for Photographers

A stunning collection of images offering an unexpected look at our Earth from the wildly popular "From Where I Drone" Instagram account. A vertiginous overhead view of a Tokyo city street grid, set aglow with nighttime lights. Aerial shots of whales in the turquoise-blue waters of the Indian Ocean. Sunbathers languidly lounging on a tropical beach's pearly-white sand. These are just a few of the inspiring images showcased in this stunning compilation of the world's best drone photography. One of this era's fastest-growing technologies, drones have transformed the world of photography, allowing a new class of creatives to capture images that shift our point of view and redefine how we see the world. Paying homage to the breathtaking beauty of our planet, Eyes over the World features an eclectic range of natural wonders and man-made oddities captured by both luminaries and amateurs alike in the burgeoning drone-photography community. Edited by drone-photography expert and the creator of the "From Where I Drone" Instagram account Dirk Dallas, this fantastic, fearless volume offers a new sense of perspective and awe gained by this fascinating new technology. Organized geographically, it can also be used as a bucket list of sorts--a catalog of all the wonders the Earth has to offer.