

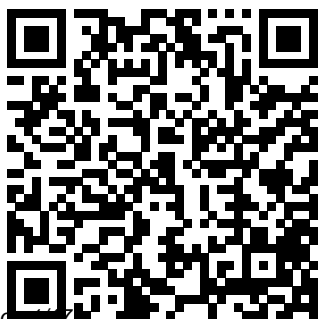
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# Improve Resolution Of Photo

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*Scientific Foundations of Crime Scene Reconstruction*  
Springer Science & Business Media  
Philosophers of science have long used reconstructive reasoning to develop historical explanations covering the origins of natural phenomenon. The application of the scientific method is a powerful tool for solving crimes through reconstruction of the events.

*Scientific Foundations of Crime Scene Reconstruction: Introducing Method to Mayhem* demonst

Issues in Nuclear and Plasma Science and Technology: 2011 Edition Cengage Learning  
Digital Photography For Dummies John Wiley & Sons  
Springer Science & Business Media  
This book is a printed edition of the Special Issue "UAV Sensors for Environmental Monitoring" that was published in *Sensors*  
Biomaterials Science Elsevier  
Effective science communication is no easy task. While the effective conveyance of technical knowledge presents formidable roadblocks to sharing scientific knowledge and discoveries, certain communication tools like video and film production help to bridge this gap. This user ' s manual provides a complete set of easy-to-follow directions for

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video-making as well as tricks of the trade to leverage these skills to better inform the intended audience.

### Image Mosaicing and Super-resolution Springer Nature

"While the advantages of digital archiving are numerous, the process has been slow to be implemented because of several limitations, particularly high costs. Photo CD shows great promise as a technology for archiving not only because of its cost-effectiveness, but also its speed, multi-resolution format, and efficient compression. Organizations that are beginning to construct digital archives of their resources are doing so to the tune of several million images. When archiving such large quantities of images, one wants to anticipate as many future

uses as possible to avoid further scanning costs. Of all potential uses for an archived image, printing on coated stock with a fine line-screen will have among the highest resolution requirements. Although the Photo CD master format offers much flexibility, there is some concern that the format does not provide enough resolution for commercial-grade printing, especially at greater enlargement percentages. In these cases, better results may be achieved with Pro Photo CD, which is more expensive and much slower, but provides four times as much resolution as the master Photo CD. However, simply having more resolution does not necessarily translate into improved image quality. The benefit of the added resolution is likely dependent on the speed of

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the film and whether there really is more information in the emulsion to be captured. For films above a certain speed, the graininess of the film may offset the extra resolution provided by Pro Photo CD, and no improvement in image quality will be gained. The film speed at which this would occur is currently unknown. Testing the scan quality of various film speeds at 16\*base and 64\*base can help define the boundary of when Pro Photo CD offers a real advantage, if any, for archiving 35mm film. The findings would supply some guidelines for organizations faced with making decisions about how to use Photo CD most appropriately for archival purposes. To this end, three films of varying speeds and resolving powers were chosen: Ektachrome Lumiere 100, Ektachrome Professional 100 and Ektachrome Elite 200. Two test objects were obtained: an RIT alphanumeric resolution target and a continuous tone photograph containing objects with fine detail. Scans of these chromes were made with both Photo CD and Pro Photo CD scanners. An objective analysis was made by observing the smallest levels resolved on the resolution target for each of the films at both the 16\*base and the 64\*base resolutions. A subjective analysis was conducted by a panel of respondents making paired comparison judgments of image quality for the continuous tone test images. It was hypothesized that differences between the 16\*base scan and the 64\*base scan would be detected only with the Ektachrome Lumiere 100

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film in both the objective and subjective analyses. No differences were expected between the two resolutions for the other two films. This is because it was theorized that the added noise introduced by the higher grain of the faster films would offset the extra resolution provided by the 64\*base scan. The results did not concur with the given hypothesis. Instead, differences were noted for all of the tested films in both the objective and subjective evaluations. The data from the alphanumeric resolution target shows an improvement in resolving power with the 64\*base resolution for all three films tested. In the subjective test, an increase was also observed in the large enlargement of the Professional 100 and the Elite 200 films. Both of these indicate that none of

the films tested contained enough noise to offset the benefit of the added resolution. It should be noted that the differences observed were slight. In terms of recommendations for choosing among Photo CD options for digital archives, the following guidelines can be concluded. All films with speeds of 100 or less will see some, though slight, added benefit from the extra resolution provided by Pro Photo CD. Films with an ISO speed rating of 200 that use fine-grain technology, such as Kodak's TGRAIN, will also see benefit from added resolution. However, in either case the benefit does not seem to subjectively matter unless the image is enlarged beyond the standard dimensional limits of 16\*base. Thus, unless large-format reproduction of

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archived images is likely, Pro Photo CD scans are not necessary."--Abstract.

Landslides - Disaster Risk Reduction Plural Publishing

Teaches basic digital photography techniques and explores editing and special effects.

**Digital Transformation Technology** MDPI

Communication technologies surround us in every part of our lives: via television, web, blogging, mass media, and much more. How do people in business keep up with the latest and greatest trends, and how do they differentiate good information from bad information? How do they get help analyzing information and coming to conclusions about trends that will impact their

businesses and business decisions? How do they consider the environmental and sustainability issues surrounding communication technology? This book answers these essential questions. It's for professionals and students working in telecommunications, including electronic mass media, digital signage, computers, consumer electronics, games, satellites, and telepresence. The best of the best minds on these topics all come forward here, each in their own chapter, to report on, analyze, and make recommendations, for the new edition of this definitive guide to new technologies. New to this

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edition: . New coverage of historical perspectives on communication technology bring the ideas and concepts to the forefront, providing a thoroughly grounded approach designed to appeal to professors looking for more the why's than the how's of comm. tech . New chapters on digital cinema, mobile commerce, digital television, cinema technologies, e-books, home video, digital audio, and telepresence. . As always, every chapter is updated to reflect the latest trends on the topic . Brand new! Instructor's manual with testbank and sample syllabus . Website - brand new for this edition. Chapter-by-chapter additional coverage of technologies

and further resources. Continually updated.  
**50 Things Photographers Need to Know About Focus** Sterling Publishing Company, Inc.  
Get creative with graphic elements Tackle photo techniques at any level Ready to preserve your memories digitally? This interactive reference explains the basics of this fast, versatile new hobby, giving you the lowdown on the equipment and programs you need to create beautiful pages. You also get expert tips on digital photography, graphic design, scanning, journaling, filters, and fonts. Discover how to Create a digital layout from scratch Select the best software Use popular scrapbook styles Digitize traditional photos Get the kids involved Share your scrapbook online

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## **Communication Technology Update and Fundamentals Digital Photography For Dummies**

This book investigates sets of images consisting of many overlapping viewsofa scene, and how the information contained within them may be combined to produce single images of superior quality. The generic name for such techniques is frame fusion. Using frame fusion, it is possible to extend the fieldof view beyond that ofany single image, to reduce noise, to restore high-frequency content, and even to increase spatial resolution and dynamic range. The aim in this book is to develop efficient, robust and automated frame fusion

algorithms which may be applied to real image sequences. An essential step required to enable frame fusion is image registration: computing the point-to-point mapping between images in their overlapping region. This sub problem is considered in detail, and a robust and efficient solution is proposed and its accuracy evaluated. Two forms of frame fusion are then considered: image mosaic ing and super-resolution. Image mosaicing is the alignment of multiple images into a large composition which represents part of a 3D scene. Super-resolution is a more sophisticated technique which aims to restore poor-quality video sequences by mod elling and removing the



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degradations inherent in the imaging process, such as noise, blur and spatial-sampling. A key element in this book is the assumption of a completely uncalibrated camera. No prior knowledge of the camera parameters, its motion, optics or photometric characteristics is assumed. The power of the methods is illustrated with many real image sequence examples.

**Machine Learning and Internet of Things for Societal Issues**

Elsevier Graphic Design Basics : What Every Designer Should Know is the first installment of a book series dedicated to educate novice designers on what it takes to become successful within the graphic design industry.

American Photo John

Wiley & Sons

This book is a collection of best-selected research papers presented at the Second World Conference on Internet of Things: Applications & Future (ITAF 2020) organized by Global Knowledge Research Foundation during 16 – 17 December 2020. It includes innovative works from researchers, leading innovators, business executives and industry professionals to examine the latest advances and applications for commercial and industrial end users across sectors within the emerging Internet of things ecosystem. It shares state-of-the-art as well as emerging topics related to Internet of things such as big data research,

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emerging services and analytics, Internet of things (IoT) fundamentals, electronic computation and analysis, big data for multi-discipline services, security, privacy and trust, IoT technologies and open and cloud technologies.

*Adobe Photoshop CS6 Classroom in a Book*  
Springer

Endourology is a dynamic subspecialty involving closed, controlled manipulation within the genitourinary tract. In the past decade the creative efforts of many urologists, radiologists, and engineers have vastly expanded endoscopic technique, to the great benefit of patients with stones, obstruction, cancer, diverticula, cysts, adrenal disease, varices, and diseases of the bladder. This definitive text

addresses every aspect of endourologic procedure including methods of access, operative techniques, complications, and postoperative care. The reader is taken, step-by-step, through cutaneous surgery, ureteroscopy, extracorporeal shock wave lithotripsy, laparoscopy, and lower urinary tract procedures. The principles and function of state-of-the-art endourologic instruments are outlined for each procedure. The authorship reads like a Who's Who in endourology. The breadth and depth of their experience is evident throughout the text.

*Handbook of Aggregation-Induced Emission, Volume 3*  
CRC Press

Make ordinary photos extraordinary with Photoshop Elements 12 All-in-One For Dummies!  
Whether you prefer to snap

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shots on your smartphone or importing photos, and using don't ever leave home without your DSLR, chances are you have way more photos than you ever dreamed possible.

the tools and options Explains how to enhance your images by adjusting color, brightness, resolution, contrast, and sharpness

Photoshop Elements 12 All-in-One For Dummies is here to help you get those pictures organized and turn your favorite shots into amazing images. This information-packed, full-color guide features nine minibooks covering all aspects of the image-editing process. From learning what's new with Elements 12, finding your way around the workspace, and bringing some order to your images to enhancing color, correcting flaws, working with filters and effects, sharing your work, and beyond, you'll be on your way to picture perfection in no time. Guides you through the Elements basics – working with the Organizer,

Teaches you how to work with layers, masks, filters, effects, styles, type, and the Brush and Pencil tools Shows you how to share your creative genius with the world via slide shows, photo books, Facebook, Twitter, Adobe Revel, and other fun photo projects and sites Whether you're new to image editing or just new to Elements 12, you'll sharpen your skills and get your shots in shape with Photoshop Elements 12 All-in-One For Dummies!

**Nuclear medicine For Dummies**

The revised edition of this renowned and bestselling title is the most comprehensive single text on all aspects of

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biomaterials science. It provides a balanced, insightful approach to both the learning of the science and technology of biomaterials and acts as the key reference for practitioners who are involved in the applications of materials in medicine. Over 29,000 copies sold, this is the most comprehensive coverage of principles and applications of all classes of biomaterials: "the only such text that currently covers this area comprehensively" - Materials Today Edited by four of the best-known figures in the biomaterials field today; fully endorsed and supported by the Society for Biomaterials Fully revised and expanded, key new topics include of tissue engineering, drug delivery systems, and new clinical applications, with new teaching and learning

material throughout, case studies and a downloadable image bank  
TV & Video Engineer's Reference Book  
ScholarlyEditions  
Stroboscopy and High-Speed Imaging of the Vocal Function, Second Edition presents a complete picture of the art and science of stroboscopy. This unique professional resource includes not only comprehensive coverage of the imaging process, but also the disease process that exists in benign lesions, cancer, and neuropathology. Comparisons of normal images with pathologies are included to enhance readers' diagnostic skills, and the use of stroboscopic images before and after therapy to determine results enhances their clinical skills. The book also covers the entire range of

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laryngeal imaging for diagnostics, including rigid endoscopy, videostroboscopy, fiberoptic laryngoscopy, and high-speed imaging. Written by a physician who works in a multidisciplinary environment, the book outlines the roles of the otolaryngologist, speech-language pathologist, voice scientist, and singing teacher in the clinical examination. Unparalleled full-color illustrations appear throughout. New to the Second Edition: \* New chapter on High Speed Imaging \* Updated imaging of vocal fold examination techniques \* Many added images and illustrations with enhanced figures using video montage. \* Fully updated to reflect the current research with many new references added from 2010 to 2020 \* References are placed at the end of the

relevant chapters. \* High definition video examples of stroboscopy and high-speed imaging

Stroboscopy and High-Speed Imaging of the Vocal Function, Second Edition

Springer Nature

Book Design Made Simple

gives DIY authors, small

presses, and graphic

designers-novices and

experts alike-the power to

design their own books. It's

the first comprehensive book

of its kind, explaining every

step from installing Adobe

InDesign right through to

sending the files to press. For

those who want to design

their own books but have little

idea how to proceed, Book

Design Made Simple is a

semester of book design

instruction plus a publishing

class rolled into one. Let two

experts guide you through the

process with easy step-by-

step instructions, resulting in a

professional-looking top-

quality book

Digital Photography Lark

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## Books

The six-volume set comprising the LNCS volumes 11129-11134 constitutes the refereed proceedings of the workshops that took place in conjunction with the 15th European Conference on Computer Vision, ECCV 2018, held in Munich, Germany, in September 2018. 43 workshops from 74 workshops proposals were selected for inclusion in the proceedings. The workshop topics present a good orchestration of new trends and traditional issues, built bridges into neighboring fields, and discuss fundamental technologies and novel applications.

### Smith's Textbook of Endourology Johns

Hopkins University Press  
This book is a collection of selected papers presented at the Second Congress on Intelligent Systems (CIS

2021), organized by Soft Computing Research Society and CHRIST (Deemed to be University), Bengaluru, India during September 4 – 5, 2021. It includes novel and innovative work from experts, practitioners, scientists and decision-makers from academia and industry. It covers topics such as Internet of Things, information security, embedded systems, real-time systems, cloud computing, big data analysis, quantum computing, automation systems, bio-inspired intelligence, cognitive systems, cyber physical systems, data analytics, data/web mining, data science, intelligence for security, intelligent decision making systems, intelligent information processing, intelligent transportation, artificial intelligence for

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machine vision, imaging sensors technology, image segmentation, convolutional neural network, image/video classification, soft computing for machine vision, pattern recognition, human computer interaction, robotic devices and systems, autonomous vehicles, intelligent control systems, human motor control, game playing, evolutionary algorithms, swarm optimization, neural network, deep learning, supervised learning, unsupervised learning, fuzzy logic, rough sets, computational optimization, and neuro fuzzy systems.

*Beginning GIMP* Taylor & Francis

While focusing your camera seems like it should be a no-brainer—there's autofocus, after all—it's often not a simple task. Depending on the shooting situation, your camera, and the countless scenarios that can “throw off”

the focus, the task of achieving sharp images with great focus can be deceptively challenging. If you're a passionate photographer eager to learn the best ways to achieve tack-sharp focus in your images, these 50 focus-based principles are exactly what you need to take your work to the next level. With photographer and author John Greengo as your guide, you'll quickly learn nearly four dozen techniques for achieving focus in every shooting situation. You'll learn:

- How to optimize autofocus no matter what kind of camera you have (DSLR or mirrorless)
- How to master manual focus
- Which focus modes and focus areas work best for different situations
- How to use your camera's autofocus aids, such as magnification and focus peaking
- Techniques to keep your camera stable, either handheld or on a tripod
- How shutter speed and aperture affect sharpness

Written in the author's friendly and approachable style, and

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illustrated with examples that clearly show how each technique can help you capture great photos, 50 Things Photographers Need to Know About Focus is designed to be an effective, fast, and fun way to learn how to achieve great focus in your images—no matter what situation. TABLE OF CONTENTS Chapter 1: Focus Basics Chapter 2: Autofocus Chapter 3: Mirrorless Autofocus Chapter 4: DSLR Autofocus Chapter 5: Customized Autofocus Controls Chapter 6: Autofocus Aids Chapter 7: Autofocus and Lenses Chapter 8: Manual Focus and Lenses Chapter 9: Exposure Control for Focus Chapter 10: Advanced Focusing Techniques Chapter 11: Other Focus Topics *Digital Photography For Dummies* Springer Nature This book documents the First World Landslide Forum, which was jointly organized by the International Consortium on Landslides (ICL), eight UN organizations (UNESCO,

WMO, FAO, UN/ISDR, UNU, UNEP, World Bank, UNDP) and four NGOs (International Council for Science, World Federation of Engineering Organizations, Kyoto Univ. and Japan Landslide Society) in Tokyo in 2008. The material consists of four parts: The Open Forum "Progress of IPL Activities; Four Thematic Lectures in the Plenary Symposium "Global Landslide Risk Reduction"; Six Keynote Lectures in the Plenary session; and the aims and overviews of eighteen parallel sessions (dealing with various aspects necessary for landslide disaster risk reduction such as: observations from space; climate change and slope instability; landslides threatening heritage sites; the economic and social impact of landslides; monitoring, prediction and early warning; and risk-management strategies in urban area, etc.) Thus it enables the reader to benefit from a wide range of research intended to reduce



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risk due to landslide disasters  
as presented in the first global  
multi-disciplinary meeting.