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Iterative-Interpolation Super-Resolution Image Reconstruction Progress in Pattern Recognition, Image Analysis and Applications Book Design Made Simple Maximum PC Image Understanding Workshop Bone Histology of Fossil Tetrapods Advances in Pattern Recognition ICAPR2003 *Designing for Print Lessons in DSLR Workflow with Lightroom and Photoshop* Image Segmentation and Compression Using Hidden Markov Models Digital Imaging AETA 2016: Recent Advances in Electrical Engineering and Related Sciences *Photographing Childhood* Recent Advancements in ICT Infrastructure and Applications Medical Image Computing and Computer-Assisted Intervention - MICCAI'99 *Computer Image Processing and Recognition* Practical Algorithms for Image Analysis with CD-ROM Upgrading and Repairing PCs Digital Photography Introduction to Document Image Processing Techniques Programs and Services eBay Photos That Sell *Misch's Contemporary Implant Dentistry E-Book* First Comprehensive Symposium on the Practical Application of Earth Resources Survey Data Sams Teach Yourself Internet and Web Basics All in One Carbon Nanotube and Related Field Emitters Clinical Veterinary Advisor - E-Book Delivering Digital Images An Evaluation of Photo CD's Resolving Power in Scanning Various-speed Films for Archival Purposes 50 Things Photographers Need to Know About Focus *Pattern Recognition and Artificial Intelligence* Advanced Video Coding: Principles and Techniques Digital Consumer Electronics Handbook *Fundamentals of Picoscience* Sound Images of the Ocean *High Definition Information Systems* Europa How Video Works Proceedings 1995 Symposium on Document Image Understanding Technology Scientific Data Mining

Recent Advancements in ICT Infrastructure and Applications Sep 17 2021 This book covers complete spectrum of the ICT infrastructure elements required to design, develop and deploy the ICT applications at large scale. Considering the focus of governments worldwide to develop smart cities with zero environmental footprint, the book is timely and enlightens the way forward to achieve the goal by addressing the technological aspects. In particular, the book provides an in depth discussion of the sensing infrastructure, communication protocols, computation frameworks, storage architectures, software frameworks, and data analytics. The book also presents the ICT application-related case studies in the domain of transportation, health care, energy, and disaster management, to name a few. The book is used as a reference for design, development, and large-scale deployment of ICT applications by practitioners, professionals, government officials, and engineering students.

Lessons in DSLR Workflow with Lightroom and Photoshop Feb 20 2022 You've captured great images with your DSLR, now what? Jerry Courvoisier provides an easy-to-follow road map for importing, organizing, and editing your images using the best features of Adobe Photoshop Lightroom 2 and Adobe Photoshop CS3. The combined power of using both programs—automation with Lightroom and specialized processing in Photoshop—offers a complete and flexible solution for

serious hobbyists and pro photographers alike. In this accessible and beautifully illustrated guide, learn about: The essential DSLR gear, with suggested computer and laptop configurations, digital darkroom and color management setups, and best capture formats for your style of shooting. General preferences and display options to customize and enhance your workflow. The Lightroom 2 modules to effectively organize, process, and catalog your images. Integration with Photoshop CS3, including making panoramas and high dynamic range (HDR) images. Advanced Photoshop CS3 techniques to create stunning results: converting images to black and white, painting with light, selective focus, diffusion effects, layer masking, and special blending modes. Loaded with tips and techniques from a seasoned photographer, including a pre-shoot checklist for camera settings, Courvoisier delivers a digital workflow system that allows you to spend less time at your computer and more time behind the camera capturing great images. "Jerry Courvoisier is, plain and simple, one of the best teachers of digital workflow and image management working today. He demystifies the digital world for both the beginner and the advanced user. For anyone shooting digital pictures, this book simply has to be on your shelf." —Joe McNally, photographer and author of The Moment It Clicks

Iterative-Interpolation Super-Resolution Image Reconstruction Oct 31 2022 To my wife, Mitu - Vivek Bannore Preface Preface In many imaging systems, under-sampling and aliasing occurs frequently leading to degradation of image quality. Due to the limited number of sensors available on the digital cameras, the quality of images captured is also limited. Factors such as optical or atmospheric blur and sensor noise can also contribute further to the d- radation of image quality. Super-Resolution is an image reconstruction technique that enhances a sequence of low-resolution images or video frames by increasing the spatial resolution of the images. Each of these low-resolution images contain only incomplete scene information and are geometrically warped, aliased, and - der-sampled. Super-resolution technique intelligently fuses the incomplete scene information from several consecutive low-resolution frames to reconstruct a hi-resolution representation of the original scene. In the last decade, with the advent of new technologies in both civil and mi- tary domain, more computer vision applications are being developed with a demand for high-quality high-resolution images. In fact, the demand for high- resolution images is exponentially increasing and the camera manufacturing te- nology is unable to cope up due to cost efficiency and other practical reasons.

Image Segmentation and Compression Using Hidden Markov Models Jan 22 2022 In the current age of information technology, the issues of distributing and utilizing images efficiently and effectively are of substantial concern. Solutions to many of the problems arising from these issues are provided by techniques of image processing, among which segmentation and compression are topics of this book. Image segmentation is a process for dividing an image into its constituent parts. For block-based segmentation using statistical classification, an image is divided into blocks and a feature vector is formed for each block by grouping statistics of its pixel intensities. Conventional block-based segmentation algorithms classify each block separately, assuming independence of feature vectors. Image Segmentation and Compression Using Hidden Markov Models presents a new algorithm that models the statistical dependence among image blocks by two dimensional hidden Markov models (HMMs). Formulas for estimating the model according to the maximum likelihood criterion are derived

from the EM algorithm. To segment an image, optimal classes are searched jointly for all the blocks by the maximum a posteriori (MAP) rule. The 2-D HMM is extended to multiresolution so that more context information is exploited in classification and fast progressive segmentation schemes can be formed naturally. The second issue addressed in the book is the design of joint compression and classification systems using the 2-D HMM and vector quantization. A classifier designed with the side goal of good compression often outperforms one aimed solely at classification because overfitting to training data is suppressed by vector quantization. Image Segmentation and Compression Using Hidden Markov Models is an essential reference source for researchers and engineers working in statistical signal processing or image processing, especially those who are interested in hidden Markov models. It is also of value to those working on statistical modeling.

Misch's Contemporary Implant Dentistry E-Book Dec 09 2020 Internationally known author, Randolph R. Resnik, DMD, MDS is a leading educator, clinician, author and researcher in the field of Oral Implantology and Prosthodontics. Surgical protocols provide the latest, most up-to-date literature and techniques that provide a proven system for comprehensive surgical treatment of dental implant patients. Thoroughly revised content includes current diagnostic pharmacologic and medical evaluation recommendations to furnish the reader with the latest literature-based information. Proven strategies and fundamentals for predictable implant outcomes Latest implant surgical techniques for socket grafting and ridge augmentation procedures Proven, evidence-based solutions for the treatment of peri-implant disease Includes the use of dermal fillers and botox in oral implantology Up-to-date information on advances in the field reflects the state-of-the-art dental implantology.

Designing for Print Mar 24 2022 This book is a single-source guide to planning, designing and printing successful projects using the Adobe Creative Suite. Packed with real-world design exercises, this revised edition is fully updated to align with CS. Dozens of sidebars and step-by-step descriptions walk readers through the design process in the same order actual projects are implemented Content progresses from planning through execution

High Definition Information Systems Oct 26 2019

<u>Book Design Made Simple</u> Aug 29 2022 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

Programs and Services Feb 08 2021

Sound Images of the Ocean Nov 27 2019 Sound Images of the Ocean is the first comprehensive overview of acoustic imaging applications in the various fields of marine research, utilization, surveillance, and protection. The book employs 400 sound images of the sea floor and of processes in the sea volume, contributed by more than 120 marine experts from 22 nations.

Photographing Childhood Oct 19 2021 There are countless important events and stages to document in a child's life. "Photographing Childhood" will give readers

the know-how and the inspiration that they are looking for to create the perfect image. Rich with emotion and creativity, this guide delivers tips from a master photographer, going way beyond the photography basics.

Europa Sep 25 2019 Few worlds are as tantalizing and enigmatic as Europa, whose complex icy surface intimates the presence of an ocean below. Europa beckons for our understanding and future exploration, enticing us with the possibilities of a water-rich environment and the potential for life beyond Earth. This new volume in the Space Science Series, with more than 80 contributing authors, reveals the discovery and current understanding of EuropaÕs icy shell, subsurface ocean, presumably active interior, and myriad inherent interactions within the Jupiter environment. Europa is the foundation upon which the coming decades of scientific advancement and exploration of this world will be built, making it indispensable for researchers, students, and all who hold a passion for exploration.

Carbon Nanotube and Related Field Emitters Sep 05 2020 Carbon nanotubes (CNTs) have novel properties that make them potentially useful in many applications in nanotechnology, electronics, optics and other fields of materials science. These characteristics include extraordinary strength, unique electrical properties, and the fact that they are efficient heat conductors. Field emission is the emission of electrons from the surface of a condensed phase into another phase due to the presence of high electric fields. CNT field emitters are expected to make a breakthrough in the development of field emission display technology and enable miniature X-ray sources that will find a wide variety of applications in electronic devices, industry, and medical and security examinations. This first monograph on the topic covers all aspects in a concise yet comprehensive manner - from the fundamentals to applications. Divided into four sections, the first part discusses the preparation and characterization of carbon nanotubes, while part two is devoted to the field emission properties of carbon nanotubes, including the electron emission mechanism, characteristics of CNT electron sources, and dynamic behavior of CNTs during operation. Part three highlights field emission from other nanomaterials, such as carbon nanowalls, diamond, and silicon and zinc oxide nanowires, before concluding with frontier R&D applications of CNT emitters, from vacuum electronic devices such as field emission displays, to electron sources in electron microscopes, X-ray sources, and microwave amplifiers. Edited by a pioneer in the field, each chapter is written by recognized experts in the respective fields.

Digital Consumer Electronics Handbook Jan 28 2020 Here is the most comprehensive guide to todayÕs fast-changing world of digital consumer electronics. The handbook offers you complete details on key enabling technologies, standards, delivery and reception systems, imaging and audio products, information and communications products, appliances, and residential automation. Packed with 650 illustrations, this surefire reference covers optical disk systems...the digital video disk (DVD)...HDTV...digital cable systems...video dialtone...digital VCRs and camcorders...digital photography...CD players...PCs...and much more!

Digital Imaging Dec 21 2021 Digital Imaging is the essential guide to understanding digitization and managing a digitizing project. Koelling covers everything from deciding if digitizing is for you to planning and management, choosing equipment, and managing databases. Not only does she guide you in mastering the technical details, she also helps you find the fun in working with

images.

 How Video Works Aug 24 2019 How Video Works raises the curtain on how video is created, scanned, transmitted, stored, compressed, encoded, delivered and streamed to its multitude of destinations. In today's digital world, every content creator—individual as well as network or corporation—must understand the process of how video works in order to deliver not only the best quality video, but a digital video file with the most appropriate specifications for each particular use. This complete guide covers key stages of video development, from image capture to the final stages of delivery and archiving, as well as workflows and new technologies, including Ultra High Definition, metadata, signal monitoring, streaming and managing video files – all presented in an easy to understand way. Whether you are a professional or new video technician discovering the ins and outs of digital distribution, this book has the information you need to succeed. The updated third edition contains: • New sections on image capture as well as streaming and video workflows • A hands-on approach to using digital scopes and monitoring the video signal • Thorough explanations of managing video files, including codecs and wrappers • In-depth coverage of compression, encoding, and metadata • A complete explanation of video and audio standards, including Ultra HD • An overview of video recording and storage formats • A complete glossary of terms for video, audio and broadcast

 Medical Image Computing and Computer-Assisted Intervention - MICCAI'99 Aug 17 2021 This book constitutes the refereed proceedings of the Second International Conference on Medical Image Computing and Computer-Assisted Intervention, MICCAI'99, held in Cambridge, UK, in September 1999. The 133 revised full papers presented were carefully reviewed and selected from a total of 213 full-length papers submitted. The book is divided into topical sections on data-driven segmentation, segmentation using structural models, image processing and feature detection, surfaces and shape, measurement and interpretation, spatiotemporal and diffusion tensor analysis, registration and fusion, visualization, image-guided intervention, robotic systems, and biomechanics and simulation.

 Practical Algorithms for Image Analysis with CD-ROM Jun 14 2021 This book offers guided access to a collection of algorithms for the digital manipulation and analysis of images. Written in classic 'cookbook' style, it reflects the authors' long experience in this field. For each task, they present a description and implementation of the most suitable procedure in easy-to-use form. The algorithms range from the simplest steps to advanced functions not commonly available for Windows users. Each self-contained section treats a single operation, describing typical situations requiring that operation and discussing the algorithm and implementation. Sections start with a header illustrating the nature of the procedure through a 'before' and 'after' pictorial example and a ready-reference listing typical applications, keywords, and related procedures. At the end of each section are annotated references and a display of program usage for the C programs on the accompanying CD-ROM. Every researcher or practitioner working with images will need this reference and software library.

 Proceedings 1995 Symposium on Document Image Understanding Technology Jul 24 2019

 Delivering Digital Images Jul 04 2020 This pioneering two-year project explored the legal, technical, and practical issues involved in using digital images of museum collections for educational purposes. The report includes essays by

project participants for the fourteen museums and universities that participated in this project, and recommends terms and conditions for distributing digital museum images via the Internet and university campus networks.

<u>Progress in Pattern Recognition, Image Analysis and Applications</u> Sep 29 2022 This book constitutes the refereed proceedings of the 10th Iberoamerican Congress on Pattern Recognition, CIARP 2005, held in Havana, Cuba in November 2005. The 107 revised full papers presented together with 3 keynote articles were carefully reviewed and selected from more than 200 submissions. The papers cover ongoing research and mathematical methods for pattern recognition, image analysis, and applications in such diverse areas as computer vision, robotics, industry, health, entertainment, space exploration, telecommunications, data mining, document analysis, and natural language processing and recognition.

An Evaluation of Photo CD's Resolving Power in Scanning Various-speed Films for Archival Purposes Jun 02 2020 "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 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 pairedcomparison 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 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 archived images is likely, Pro Photo CD scans are not necessary."--Abstract.

Computer Image Processing and Recognition Jul 16 2021 Computer Image Processing and Recognition

Upgrading and Repairing PCs May 14 2021 This is the newest comprehensive update to the world's #1 guide to PC repair and maintenance. World-renowned PC hardware expert Scott Mueller has thoroughly updated his legendary Upgrading and Repairing PCs to reflect today's latest PC technologies, and added a new DVD with more than two hours of digital video demonstrating PC maintenance and repair, which can be watched on either their DVD-equipped PCs or any DVD player. Mueller presents updated coverage of every significant PC component: processors, motherboards, memory, the BIOS, IDE and SCSI interfaces, drives, removable and optical storage, video and audio hardware, USB, FireWire, Internet connectivity, LANs, power supplies, even PC cases. This book also contains a detailed troubleshooting index designed to help readers rapidly diagnose more than 250 common PC hardware problems, as well as an extensive vendor contact guide, and a comprehensive PC technical glossary.

Sams Teach Yourself Internet and Web Basics All in One Oct 07 2020 Explains how to browse the Web, e-mail, chat, play games, create a Web site and Web graphics, and ensure security against viruses and hackers.

Fundamentals of Picoscience Dec 29 2019 Now ubiquitous in public discussions about cutting-edge science and technology, nanoscience has generated many advances and inventions, from the development of new quantum mechanical methods to far-reaching applications in electronics and medical diagnostics. Ushering in the next technological era, Fundamentals of Picoscience focuses on the instrumentation and experiments emerging at the picometer scale. One picometer is the length of a trillionth of a meter. Compared to a human cell of typically ten microns, this is roughly ten million times smaller. In this state-of-the-art book, international scientists and researchers at the forefront of the field present the materials and methods used at the picoscale. They address the key challenges in developing new instrumentation and techniques to visualize and

measure structures at this sub-nanometer level. With numerous figures, the book will help you: Understand how picoscience is an extension of nanoscience Determine which experimental technique to use in your research Connect basic studies to the development of next-generation picoelectronic devices The book covers various approaches for detecting, characterizing, and imaging at the picoscale. It then presents picoscale methods ranging from scanning tunneling microscopy (STM) to spectroscopic approaches at sub-nanometer spatial and energy resolutions. It also covers novel picoscale structures and picometer positioning systems. The book concludes with picoscale device applications, including single molecule electronics and optical computers. Introductions in each chapter explain basic concepts, define technical terms, and give context to the main material.

Scientific Data Mining Jun 22 2019 Chandrika Kamath describes how techniques from the multi-disciplinary field of data mining can be used to address the modern problem of data overload in science and engineering domains. Starting with a survey of analysis problems in different applications, it identifies the common themes across these domains.

Advanced Video Coding: Principles and Techniques Feb 29 2020 In recent years, the paradigm of video coding has shifted from that of a frame-based approach to a content-based approach, particularly with the finalization of the ISO multimedia coding standard, MPEG-4. MPEG-4 is the emerging standard for the coding of multimedia content. It defines a syntax for a set of content-based functionalities, namely, content-based interactivity, compression and universal access. However, it does not specify how the video content is to be generated. To generate the video content, video has to be segmented into video objects and tracked as they transverse across the video frames. This book addresses the difficult problem of video segmentation, and the extraction and tracking of video object planes as defined in MPEG-4. It then focuses on the specific issue of face segmentation and coding as applied to videoconferencing in order to improve the quality of videoconferencing images especially in the facial region. Modal-based coding is a content-based coding technique used to code synthetic objects that have become an important part of video content. It results in extremely low bit rates because only the parameters needed to represent the modal are transmitted. Model-based coding is included to provide background information for the synthetic object coding in MPEG-4. Lastly, MPEG-4, the first coding standard for multimedia content is described in detail. The topics covered include the coding of audio objects, the coding of natural and synthetic video objects, and error resilience. Advanced Video Coding is one of the first books on content-based coding and MPEG-4 coding standard. It serves as an excellent information source and reference for both researchers and practicing engineers.

Advances in Pattern Recognition ICAPR2003 Apr 24 2022

Image Understanding Workshop Jun 26 2022

eBay Photos That Sell Jan 10 2021 "I've been an admirer of Dan Gookin since he wrote DOS For Dummies and spawned the For Dummies phenomenon. He takes things to a new level with this amazing and much needed book on practical product photography. Use his advice and you'll simply make more money. Highly recommended." —John C. Dvorak, columnist, PC Magazine Anyone can sell their stuff online. The challenge is to do it better than the competition and get the best possible results, every time. If you're attempting to sell your guitar on eBay, a photo of Aunt Pearl June strumming it in the backyard isn't likely to cut it.

Does that mean you need to hire a professional photographer or invest in expensive equipment? Not if you follow the ingenious advice in this book! eBay Photos That Sell teaches home-spun entrepreneurs how to create professional-quality product photos using a standard digital camera and a few handy tricks and inexpensive techniques. With page after page of inspiring examples and expert insights, you'll figure out how to capture everything from hats to wineglasses to MP3 players. You'll understand what makes one photo better than another and discover how to create images that viewers connect with--ones that evoke the "I must have this" feeling. Ultimately, it will help you attract customers and make sales, without investing a lot of time or money. Inside, you'll learn how to: Follow the basic rules for taking crisp, well-lit shots that outshine the competition Set up shots quickly in your home or office Create props and accessories from inexpensive items found at home or the local hardware store Know how and when to use your camera's features, bells, and whistles to your advantage Take the time to set up your photograph properly so you don't have to fix things later Use photo-editing software to make final adjustments Learn to size and format your photos effectively for the Web Know when a simple black background is the best way to make your image pop Build a safe and organized place to store your pictures so you can easily find them

Maximum PC Jul 28 2022 Maximum PC is the magazine that every computer fanatic, PC gamer or content creator must read. Each and every issue is packed with punishing product reviews, insightful and innovative how-to stories and the illuminating technical articles that enthusiasts crave.

Introduction to Document Image Processing Techniques Mar 12 2021 How can you incorporate the latest advances in document image processing technology to your designs? This book details the practical engineering aspects of the technology, including scanning principles, compression and spatial filtering techniques, geometrical transformations required for translation and scaling, histogram modification, and halftone screening. It also features introductions to feature extraction, clustering, and classification needed for optical character recognition. Complete with 175 equations and 158 illustrations.

Pattern Recognition and Artificial Intelligence Mar 31 2020 This two-volume set constitutes the proceedings of the Third International Conference on Pattern Recognition and Artificial Intelligence, ICPRAI 2022, which took place in Paris, France, in June 2022. The 98 full papers presented were carefully reviewed and selected from 192 submissions. The papers present new advances in the field of pattern recognition and artificial intelligence. They are organized in topical sections as follows: pattern recognition; computer vision; artificial intelligence; big data.

AETA 2016: Recent Advances in Electrical Engineering and Related Sciences Nov 19 2021 These lecture notes present selected topics concerning a wide range of electrical and electronics applications, highlighting innovative approaches and offering state-of-the-art overviews. The book is divided into 14 topical areas, including e.g. telecommunication, power systems, robotics, control systems, renewable energy, mechanical engineering, computer science and more. Readers will find revealing papers on the design and implementation of control algorithms for automobiles and electrohydraulic systems, efficient protocols for vehicular ad hoc networks and motor control, and energy-saving methods that can be applied in various fields of electrical engineering. The book offers a valuable resource for all practitioners who want to apply the topics discussed to

solve real-world problems in their challenging applications. Offering insights into common and related subjects in the research fields of modern electrical, electronic and related technologies, it will also benefit all scientists and engineers working in the above-mentioned fields.

Bone Histology of Fossil Tetrapods May 26 2022 The microscopic examination of fossilized bone tissue is a sophisticated and increasingly important analytical tool for understanding the life history of ancient organisms. This book provides an essential primer and manual for using fossil bone histology to investigate the biology of extinct tetrapods. Twelve experts summarize advances in the field over the past three decades, reviewing fundamental basics of bone microanatomy and physiology. Research specimen selection, thin-section preparation, and data analysis are addressed in detail. The authors also outline methods and issues in bone growth rate calculation and chronological age determination, as well as how to examine broader questions of behavior, ecology, and evolution by studying the microstructure of bone.

First Comprehensive Symposium on the Practical Application of Earth Resources Survey Data Nov 07 2020

Digital Photography Apr 12 2021 Clear, illustrated instructions for 100 tasks that reveal cool secrets, teach timesaving tricks, and explain great tips guaranteed to make you more productive with digital photography. --from publisher description.

Clinical Veterinary Advisor - E-Book Aug 05 2020 No other equine quick reference comes close to providing this much accurate, timely, and clinically useful diagnostic and therapeutic information. Clinical Veterinary Advisor: The Horse is six books in one -- Diseases and Disorders, Procedures and Techniques, Differential Diagnosis, Laboratory Tests, Clinical Algorithms, and a Drug Formulary. Plus, a companion website gives you convenient, searchable access to the full text and other useful tools. Covering hundreds of current topics in a concise at-a-glance format, this authoritative resource from David A. Wilson, DVM and a group of respected contributors is a must-have guide for the busy equine or mixed-practice practitioner. A consistent, easy-reference format allows for quick retrieval of practical, clinical information. A wealth of high-quality illustrations clearly demonstrates key concepts and procedures. Concise, at-a-glance format offers six books in one with these sections: Diseases and Disorders provides at-a-glance coverage of nearly 500 common medical problems, arranged alphabetically for immediate access. Each entry presents the topic in the sequence it follows clinically, including: history and physical exam findings, diagnostic testing, treatment (including specific medications and dosages), prognosis, and recommended monitoring. References for each topic support the data presented. Procedures and Techniques offers illustrated, step-by-step instructions for understanding and performing over 100 important clinical procedures. Differential Diagnosis displays nearly every possible cause for 65 different clinical disorders. Laboratory Tests summarizes essential information needed for interpreting 110 laboratory tests. Clinical Algorithms provides easy-to-follow, step-by-step guidance to clinical assessment and treatment planning for 50 of the most common clinical conditions/disorders. Drug Formulary is a compilation of dosages and other relevant information by expert Nathan Slovis, DVM for 145 new and current medications. A companion website includes the complete text of the book in a fully searchable format, which allows quick access to any topic and its related information in the six different sections. The website

also includes a searchable drug formulary, a color image collection, clinical algorithms, and 50 client education sheets available in both English and Spanish.

50 Things Photographers Need to Know About Focus May 02 2020 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 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