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[Information Systems and Computing Technology](#) Springer Nature

Here is the most comprehensive guide to today's 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!

Cone Beam Computed Tomography:

From Capture to Reporting, An Issue of Dental Clinics of North America, Aeronautics and Space Report of the President ... Activities Iterative-Interpolation Super-Resolution Image Reconstruction

This issue of Dental Clinics updates topics in CBCT and Dental Imaging. Articles will cover: basic principles of CBCT; artifacts interfering with interpretation of CBCT; basic anatomy in the three anatomic planes of section; endodontic applications of CBCT; pre-surgical implant site assessment; software tools for surgical guide construction; CBCT for the nasal cavity and paranasal sinuses; CBCT and OSA and sleep disordered breathing; update on CBCT and orthodontic analyses; liabilities and risks of using CBCT; reporting findings in a CBCT volume, and more!

Making Media Courier Corporation Set up, configure, and get connected Shoot and share photos and videos Use social media, text, and email to stay in touch Make the most of your Android gizmo Be honest—isn't "gizmo" a friendlier word than "device"? This book will tell you pretty much everything

you need to know about your Android smartphone or tablet in an equally friendly manner, because that's the best way to learn how to get the most from your Android. From buying, unpacking, and setting up your gizmo to managing calls and email, posting to social media, navigating with Maps, and creating a photo slideshow, it's like having a good friend show you the basics and explain how to take advantage of all the cool stuff. Inside... All about Android 10 Updated security features Customizing your Android Creating multimedia messages Apps to help you get social The Bluetooth connection Exploring Google Play Essential troubleshooting tips

Europa Springer

Aeronautics and Space Report of the President ...

Activities Iterative-Interpolation Super-Resolution

Image Reconstruction Springer

Real Astronomy with Small Telescopes New Riders

This book demonstrates the use of an 80mm refractor and shows how it can be used as a real scientific instrument. The author is an experienced small telescope user and an astronomy educator, and he provides step-by-step instructions for numerous scientific activities. Users will find many activities and projects suitable for an 80mm refractor or 90mm reflector or Maksutov that have not been published elsewhere. Emphasis is on measurement and discovery activities rather than on casual observing. This book will provide amateur observers with the knowledge and skill that will help them make genuine contributions to the field of astronomy.

Digital Photography Amer Geophysical Union

This book constitutes the refereed

proceedings of the 15th International Conference on Image Analysis and Processing, ICIAP 2009, held in Vietri sul Mare, Italy, in September 2009. The 107 revised full papers presented together with 3 invited papers were carefully reviewed and selected from 168 submissions. The papers are organized in topical sections on computer graphics and image processing, low and middle level processing, 2D and 3D segmentation, feature extraction and image analysis, object detection and recognition, video analysis and processing, pattern analysis and classification, learning, graphs and trees, applications, shape analysis, face analysis, medical imaging, and image analysis and pattern recognition.

Using iPhoto 11 Springer

Part B has subtitle: Low temperature and solid state physics and part C has subtitle: Atomic, molecular and plasma physics; optics

Canon EOS Rebel T4i/650D For Dummies Springer Science & Business Media

Over 850 illustrations of snow crystals, photographed by Bentley during a 50-year period, for use by artists, designers, and craftspeople in a variety of creative projects.

Scientific Results of the Viking Project Springer

This three-book set constitutes the refereed proceedings of the Second International Conference on Recent Trends in Image Processing and Pattern Recognition (RTIP2R) 2018, held in Solapur, India, in December 2018. The 173 revised full papers presented were carefully reviewed and selected from 374 submissions. The papers are organized in topical sections in the three volumes. Part I: computer vision and pattern recognition; machine learning and applications; and image processing. Part II: healthcare and medical imaging; biometrics and applications. Part III: document image analysis; image analysis in agriculture; and data mining, information retrieval and applications.

Dekker Encyclopedia of Nanoscience and Nanotechnology John Wiley & Sons

Across three volumes, the Handbook of Image

Processing and Computer Vision presents a comprehensive review of the full range of topics that comprise the field of computer vision, from the acquisition of signals and formation of images, to learning techniques for scene understanding. The authoritative insights presented within cover all aspects of the sensory subsystem required by an intelligent system to perceive the environment and act autonomously. Volume 3 (From Pattern to Object) examines object recognition, neural networks, motion analysis, and 3D reconstruction of a scene. Topics and features:

- Describes the fundamental processes in the field of artificial vision that enable the formation of digital images from light energy
- Covers light propagation, color perception, optical systems, and the analog-to-digital conversion of the signal
- Discusses the information recorded in a digital image, and the image processing algorithms that can improve the visual qualities of the image
- Reviews boundary extraction algorithms, key linear and geometric transformations, and techniques for image restoration
- Presents a selection of different image segmentation algorithms, and of widely-used algorithms for the automatic detection of points of interest
- Examines important algorithms for object recognition, texture analysis, 3D reconstruction, motion analysis, and camera calibration
- Provides an introduction to four significant types of neural network, namely RBF, SOM, Hopfield, and deep neural networks

This all-encompassing survey offers a complete reference for all students, researchers, and practitioners involved in developing intelligent machine vision systems. The work is also an invaluable resource for professionals within the IT/software and electronics industries involved in machine vision, imaging, and artificial intelligence. Dr. Cosimo Distante is a Research Scientist in Computer Vision and Pattern Recognition in the Institute of Applied Sciences and Intelligent Systems (ISAI) at the Italian National Research Council (CNR). Dr. Arcangelo Distante is a researcher and the former Director of the Institute of Intelligent Systems for Automation (ISSIA) at the CNR. His research interests are in the fields of Computer Vision, Pattern Recognition, Machine Learning, and Neural Computation.

Handbook of Image Processing and Computer Vision Elsevier Health Sciences

Making Media: Foundations of Sound and Image Production takes the media production process and

deconstructs it into its most basic components. Students will learn the basic concepts of media production – frame, sound, light, time, motion, and sequencing – and be able to apply them to any medium they choose, from film and television to fine art and online applications. They will also become well-grounded in the digital work environment and the tools required to produce media in today’s digital environment. This new fourth edition is completely updated and includes a new chapter on the production process and production safety; information on current trends in production, exhibition, and distribution; and much more. New topics include virtual and augmented reality, the use of drones and new practices interactive media. The text is also fully illustrated and includes sidebar discussions of pertinent issues throughout. The companion website has been completely revamped with interactive exercises for each chapter, allowing students to explore the process of media production.

Scientific Astrophotography John Wiley & Sons

Get comfortable with viewing, editing, enhancing, printing, sharing, and creating photo projects using your digital photos and the popular iPhoto ‘11 software on your Mac. Don’t just read about it: see it and hear it with step-by-step video tutorials and valuable audio sidebars delivered through the Free Web Edition that comes with every USING book. For the price of the book, you get online access anywhere with a web connection – no books to carry, content updated as iPhoto ‘11 changes, and the benefit of video and audio learning. Way more than just a book, this is all the help you’ll ever need...where you want, when you want! learn fast, learn easy, using web, video, and audio Show Me video walks through tasks you’ve just got to see – including bonus advanced techniques Tell Me More audio delivers practical insights straight from the experts

Environmental Consequences of War and Aftermath
John Wiley & Sons

"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

Computational Intelligence Methods for Super-Resolution in Image Processing Applications Springer

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.

Snowflakes in Photographs alt concepts An easy-to-follow guide to Canon's first touchscreen dSLR Canon calls the EOS Rebel T4i/650D its most consumer-friendly dSLR, but there's still a lot to learn. Expert author and photography instructor Julie Adair King handles the subject in a step-by-step style that will boost your confidence. If this is your first dSLR, you'll find all the information you need to get going with your new camera and start taking great pictures. More than 300 fabulous full-color photos illustrate all the camera features and also show you what you and your Rebel T4i/650D can achieve. Canon's EOS Rebel T4i/650D is a consumer-friendly dSLR with touchscreen controls, expanded autofocus features, and improved low-light shooting capabilities; this friendly guide explains all the controls and helps you gain confidence with the Canon EOS Rebel T4i/650D camera Bestselling author Julie Adair King covers using auto, live view, and playback modes; how to dial in exposure and lighting controls; and how to manipulate focus and color Offers advice on situational shots, explains how to get images onto a computer for editing, and shows how to print photos or post them online Presents professional editing tips and plenty of beautiful full-color images showing what you can achieve Popular author has written more than 15 For Dummies books on Nikon and Canon cameras Canon EOS Rebel T4i/650D For Dummies is the perfect how-to guide for anyone

venturing into dSLR photography with this popular new model. *Physica B + C*. Springer and used in munitions. Rather the requirements for the agent 's military effects took precedence. In addition, the interaction among the political, technical, and legal challenges connected with the known or possible risks posed by CW agents is complex and sometimes not well understood. This is usually because technical considerations, when acted on, are almost invariably informed by political ones, such as various legal requirements. The book contains nine chapters covering different aspects of the research on environmental consequences of war and its aftermath and covers in one additional chapter more general issues such as prevention of war and its environmental c- sequences, the legal, political, and technical background to selected environmental and human health effects of CW agents, and the atmospheric transport and depo- tion of persistent organic pollutants under warfare conditions to more specific ones related to two main tragic examples: the war in the Balkans and the Gulf War. Aspects of the war in the Balkans cover contamination by heavy metals in Serbian national parks, the impact of NATO strikes on the Danube river basin, and the problems associated with transuranium elements. The Gulf War in Kuwait covers other problems related to the impact of oil contamination, the impact on grou- water resources, and the soil damage of ground fortifications among other envir- mental and health problems.

CRC Press

Information systems are complex, including data collecting, storing, processing and delivering. The main components of information systems are computer hardware and software, telecommunications, databases and data warehouses, human resources, and procedures. With the development of information systems, the innovation technologies and their applications continuously appear, such as the Internet of Things (IOT), cloud computing, big

data and smart cities. *Information Systems and Computing Technology* contains 23 technical papers from the International Conference on Information Systems and Computing Technology (ISCT 2013, Wuxi, China, 15-16 September 2013). The book reviews recent advances in information systems and computing technology. *Solar System Events at High Spatial Resolution* McGraw-Hill Professional Publishing This encyclopedic reference provides a concise and engaging overview of the groundbreaking inventions and conceptual innovations that have shaped the field of computing, and the technology that runs the modern world. Each alphabetically-ordered entry presents a brief account of a pivotal innovation and the great minds behind it, selected from a wide range of diverse topics. Topics and features: Describes the development of Babbage 's computing machines, Leibniz 's binary arithmetic, Boole 's symbolic logic, and Von Neumann architecture Reviews a range of historical analog and digital computers, significant mainframes and minicomputers, and pioneering home and personal computers Discusses a selection of programming languages and operating systems, along with key concepts in software engineering and commercial computing Examines the invention of the transistor, the integrated circuit, and the microprocessor Relates the history of such developments in personal computing as the mouse, the GUI, Atari video games, and Microsoft Office Surveys innovations in communications, covering mobile phones, WiFi, the Internet and World Wide Web, e-commerce, smartphones, social media, and GPS Presents coverage of topics on artificial intelligence, the ATM, digital photography and digital music, robotics, and Wikipedia Contains self-test quizzes and a helpful glossary This enjoyable compendium will appeal to the general reader curious about the intellectual milestones that led to the digital age, as well as to the student of computer science seeking a primer on the history of their field. Dr. Gerard O'Regan is a CMMI

software process improvement consultant with research interests including software quality and software process improvement, mathematical approaches to software quality, and the history of computing. He is the author of such Springer titles as *World of Computing*, *Concise Guide to Formal Methods*, *Concise Guide to Software Engineering*, and *Guide to Discrete Mathematics*. 1990 NASA Authorization: ... first session, April 26, 1989 "No. 17" Springer Science & Business Media

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 Europa's 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.

[Ink Jet Textile Printing](#) Pearson Education
Mathematical Methods for Signal and Image Analysis and Representation presents the mathematical methodology for generic image analysis tasks. In the context of this book an image may be any m -dimensional empirical signal living on an n -dimensional smooth manifold (typically, but not necessarily, a subset of spacetime). The existing literature on image methodology is rather scattered and often limited to either a deterministic or a statistical point of view. In contrast, this book brings together these seemingly different points of view in order to stress their

conceptual relations and formal analogies. Furthermore, it does not focus on specific applications, although some are detailed for the sake of illustration, but on the methodological frameworks on which such applications are built, making it an ideal companion for those seeking a rigorous methodological basis for specific algorithms as well as for those interested in the fundamental methodology per se. Covering many topics at the forefront of current research, including anisotropic diffusion filtering of tensor fields, this book will be of particular interest to graduate and postgraduate students and researchers in the fields of computer vision, medical imaging and visual perception.