Images

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Professor Ramsey undertook a massive project and brought it to a magnificent conclusion. The MR images are of high quality and (the) well-written commentary is easy to understand. Well worth the investment...Radiologic Technology I strongly recommend this book to individuals who are required to interpret MRIs of the vertebral column and the spinal cord... great practical use to clinicians... very absorbing; it was easy to read an entire section in one sitting.-The Journal of Bone and Joint Surgery The author has met her purpose in producing a user-friendly spinal imaging atlas that will aid clinicians caring for patients with spine disease.-Radiology Containing nearly 1,000 illustrations and a broad array of case studies, this comprehensive, practical reference simulates an actual clinical setting in which readers view images of a spinal abnormality and then see the correct differential diagnosis. The book contains hundreds of instructive cases, and is ideal for teaching and self-assessment. Practical and complete, the book offers a broad array of classic and unusual cases for residents and practicing surgeons. This easy-to-use resource is the perfect tool for qualifying and CAQ exam preparation.

Magnetic Resonance Imaging of Bone and Soft Tissue Tumors and Their Mimics - A.M.A. de Schepper 2012-12-06
Magnetic resonance imaging has already become a most valuable imaging modality in the diagnostic work-up of musculoskeletal neoplasms. While high accuracy of MRI for staging purposes has been proven, we will focus in this monograph on the characterization of primary bone and soft tissue tumors by MRI. The major purpose of this monograph is to provide an atlas of magnetic resonance features of primary bone and soft tissue tumors for radiologists, orthopedic surgeons and physiotherapists. The results presented are based on investigations of 94 primary bone and soft tissue tumors and mimicking conditions by magnetic resonance imaging. Although the scale of the material allows for statistical handling, the number of patients per subgroup is too small to come to definite conclusions. We will therefore limit ourselves to the description of and comments on a great number of cases to illustrate the diagnostic potential of MRI in this new imaging modality. We would like to thank the anonymous cooperators: referring clinicians, pathologists, nurses, technicians and secretaries whose help enabled us to present this monograph. We would also like to express our gratitude to the firms Siemens AG and Schering AG for technical support.

Photography, Essays & Images - Beaumont Newhall 1980
Brings to life the scientists, artists, philosophers, innovators, and entrepreneurs who developed the art and science of photography. Recent Trends in Image Processing and Pattern Recognition - K. C. Santosh 2019-07-15
This three-volume 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 tree 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.

Handbook of Mathematical Models and Algorithms in Computer Vision and Imaging - Ke Chen 2022-02-24
This handbook gathers together the state of the art on mathematical models and algorithms for imaging and vision. Its emphasis lies on rigorous mathematical methods, which represent the original solutions to a class of imaging and vision problems, and on effective algorithms, which are necessary for the methods to be translated to practical use in various applications. Viewing discrete images as data sampled from functional surfaces enables the use of advanced tools from calculus, functions and calculus of variations, and nonlinear optimization, and provides the basis of high-resolution imaging through geometry and variational models. Besides, optimization naturally connects traditional model-driven approaches to the emerging data-driven approaches of machine and deep learning. No other framework can provide comparable accuracy and precision to imaging and vision. Written by leading researchers in imaging and vision, the chapters in this handbook all start with gentle introductions, which make this work accessible to graduate students. For newcomers to the field, the book provides a comprehensive and fast-track introduction to the content, to save time and get on with tackling new and emerging challenges. For researchers, exposure to the state of the art of research works leads to an overall view of the entire field so as to guide new research directions and avoid pitfalls in moving the field forward and looking into the next decades of imaging and information services. This work can greatly benefit graduate students, researchers, and practitioners in imaging and vision; applied mathematicians; medical imagers; engineers; and computer scientists.

RGB-D Image Analysis and Processing - Paul L. Rosin 2019-10-26
This book focuses on the fundamentals and recent advances in RGB-D imaging as well as covering a range of RGB-D applications. The topics covered include: data acquisition, data quality assessment, filling holes, 3D reconstruction, SLAM, multiple depth camera systems, segmentation, object detection, salience detection, pose estimation, geometric modelling, fall detection, autonomous driving, motor rehabilitation therapy, people counting and cognitive service robots. The availability of cheap RGB-D sensors has led to an explosion over the last five years in the capture and application of colour plus depth data. The addition of depth data to regular RGB images vastly increases the range of applications, and has resulted in a demand for robust and real-time processing of RGB-D data. There remain many technical challenges, and RGB-D image processing is an ongoing research area. This book covers the full state of the art, and consists of a series of chapters by internationally renowned experts in the field. Each chapter is written so as to provide a detailed overview of that topic. RGB-D Image Analysis and Processing will enable both students and professional developers alike to quickly get up to speed with contemporary techniques, and apply RGB-D imaging in their own projects.

On Images - Toshikiko Iizutsu 1988
Natural Science Imaging and Photography - Michael R. Peres 2021-03-12
This book provides an in-depth exploration of scientific photography. Highlighting the best practices needed to make, distribute, and preserve scientific visual information using digital photographic methods and technologies, it offers solutions to some of the biggest challenges facing photographers. Written by a team of international, award-winning image makers with over 300 years of cumulative experience, this comprehensive resource explains the foundations used, the tools required, and the steps to needed for creating the optimal photograph in a range of environments and circumstances. Topics covered include: ethical practices • aerial photography • close-up and macro photography • computational photography • field photography • geological photography • imaging with invisible spectrums • photographing small animals in captivity • time-based imaging • image processing in science

Islam and the Heroic Image - John Renard 1999
Throughout the world and over many centuries, the cultures in which Islam has been a major presence have created stories in word and picture to celebrate the men and women who best exemplify each culture's aspirations. This is the story of how those heroic figures have both shaped and been shaped by the religious tradition called Islam.

Images and Artefacts of the Ancient World - British Academy
2003-05-26
Scientific and technical leaps forward in recent years have introduced a new dimension into the study of objects from the ancient world. In 2000 a discussion meeting was held at the Royal Society in London with the aim of debating the potential of this image enhancement among archaeologists, historians, and scientists.

Computer-Generated Images - Nadia Magnenat-Thalmann 2012-01-05
Research, development, and applications in computer graphics have dramatically expanded in recent years. Because of decreasing prices, superior hardware is now being used and image quality is better than ever. Many people now require image-synthesis techniques and software for their applications. Moreover, the techniques of computer animation have become very popular. In this book, we present a wide range of applications of computer graphics. This book is a collection of 44 papers in various areas of computer graphics selected from papers presented at Graphics Interface 85, held in Montreal in May 1985. The contributions of the Graphics Interface 85 were organized in topical sections of theoretical foundations and theory of computer graphics.

How Can MRI Help; Chronic Pancreatitis: What the Clinician Wants to Know from MRI; and more!

Routine MRI for Pancreas; Neuroendocrine Tumors; Acute Pancreatitis: Imaging; PET/MRI for Pancreatic Diseases; The Role of MRI in Pancreas Cancer; Genetics of Pancreatic Neoplasms and Role of Screening; Cystic Pancreatic Tumors; Rare Pancreatic Tumors; Autoimmune Pancreatitis; Routine MRI for Pancreas; Neuroendocrine Tumors; Acute Pancreatitis: How Can MRI Help; Chronic Pancreatitis: What the Clinician Wants to Know from MRI; and more!

About to Die - Barbie Zelizer 2010-12-01
Due to its ability to freeze a moment in time, the photo is a uniquely powerful device for ordering and understanding the world. But when an image depicts complex, ambiguous, or controversial events—terrorist attacks, wars, political assassinations—its ability to influence perception can prove deeply unsettling. Are we really seeing the world "as it is," or is the image a fabrication or projection? How do a photo's content and form shape a viewer's impressions? What do such images contribute to historical memory? About to Die focuses on one emotionally charged category of news photograph—depictions of individuals who are facing imminent death—as a prism for addressing such vital questions. Tracking events as wide-ranging as the 1906 San Francisco Earthquake, the Holocaust, the Vietnam War, and 9/11, Barbie Zelizer demonstrates that modes of journalistic depiction and the power of the image are immense cultural forces that are still far from understood. Through a survey of a century of photojournalism, including close analysis of over sixty photos, About to Die powerfully invites and challenges us to think about the way we view and understand the news imagery that so profoundly shapes our view of the world.

Combintorial Image Analysis - Valentin E. Brimkov 2017-05-15
This book constitutes the proceedings of the 18th International Workshop on Combinatorial Image Analysis, IWCA 2017, held in Plovdiv, Bulgaria, in June 2017. The 27 revised full papers presented were carefully reviewed and selected from 47 submissions. The workshop is organized in topical sections of theoretical foundations and theory of applications, namely: discrete geometry and topology; tilings and patterns; grammars, models and other technical tools for image analysis; image segmentation, classification, reconstruction, compression; texture analysis; bioimaging.

How to Use Images - Lester Meachem 2010-05-28
Fundamental to the study of graphic design is the creative use of images in a formal context. This book teaches you how to select and use images for a range of applications, including: magazines and newspapers, posters, booklets, books, leaflets, stationery, book and CD covers, advertising and promotional material, packaging, point of purchase, web pages and digital advertisements. The book explores methodologies for choosing, placing, manipulating and montaging imagery and the relationship of image to text. It has chapters on selection, structure and layout, composition, communication, colour, image potential, and production. This fully illustrated case studies from leading graphic designers and practical exercises, the book provides professional insights and tips into ways of using pictures and will be invaluable for graphic design students.

Intelligent Image Processing in Prolog - Bruce G. Batchelor 2012-12-06
After a slow and somewhat tentative beginning, machine vision systems are now finding widespread use in industry. So far, there have been four clearly discernible phases in their development, based upon the types of images processed and how that processing is performed: (i) Binary (two level) images, processing in software (2) Grey-scale images, processing in software (3) Binary or grey-scale images processed on special purpose hardware (4) Coloured/multi-spectral images Third-generation vision systems are now commonplace, although a large number of binary and software-based grey-scale processing systems are still being sold. At the moment, colour image processing is commercially much less significant than the other three and this situation may well remain for some time, since many industrial artifacts are nearly monochrome and the use of colour increases the cost of the equipment significantly. A great deal of colour image processing is a straightforward extension of standard grey-scale methods. Industrial applications of machine vision systems can also be sub divided, this time into two main areas, which have largely retained distinct identities: (i) Automated Visual Inspection (A VI) (ii) Robot Vision (RV) This book is about a fifth generation of industrial vision systems, in which this distinction, based on applications, is blurred and the processing is marked by being much smarter (i.e. more “intelligent”) than in the other four generations.

Satellite Image Analysis: Clustering and Classification - Surekha Borra 2019-02-08
Thanks to recent advances in sensors, communication and satellite technology, data storage, processing and networking capabilities, satellite image acquisition and mining are now on the rise. In turn, satellite images play a vital role in providing essential geographical information. Highly accurate automatic classification and decision support systems can facilitate the efforts of data analysts, reduce human error, and allow the rapid and rigorous analysis of land use and land cover information. Integrating Machine Learning (ML) technology with the human visual psychometric can help meet geologists' demands for more efficient and higher-quality classification in real time. This book introduces readers to key concepts, methods and models for satellite image analysis; highlights state-of-the-art classification and clustering techniques; discusses recent developments and remaining challenges; and addresses various applications, making it a valuable asset for engineers, scientists, researchers and practitioners in the fields of geographic information systems and remote sensing engineering.

High Performance Images - Colin Bendell 2016-11-03
High-quality images have an amazing power of attraction. Just add some stunning photos and graphics to your website or app and watch your user engagement and conversion numbers climb. It can be tricky, but with this practical guide, you’ll master the many facets of delivering high performance images on the internet—without adversely affecting site performance. You’ll learn the nuts and bolts of color theory, image formats, storage and management, operations delivery, browser and application behavior, the responsive web, and many other topics. Ideal for engineers, developers and designers of large scale websites, this book will help you understand the technical theory for processing and displaying powerful images that won’t slow down your online product. Explore digital image theory and the different formats available Dive into JPEGs, SVG and vector images, lossless compression, and other formats Use techniques for downloading and rendering images in a browser, and for loading images on mobile devices and cellular networks Examine specific rendering techniques, such as lazy loading, image processing, image consolidation, and responsive images Take responsive images to the next level by using content negotiation between browser and server with the ClientHints HTTP standard Learn how to operationalize your image workflow Contributors include Colin Bendell, Tim Kadlec, Yow Kaw Pei, Guy Podjarny, Nick Doyle, and Mike McCall from Akamai Technologies.

Images of Aging - Mike Featherstone 1995
The contributors in this book discuss images of aging which have come to circulate in the advanced industrial societies today. They address various aspects of gendering images of aging, images of health, illness and death.
Intervention, MICCAI 2020, held in Lima, Peru, in October 2020. The conference was held virtually due to the COVID-19 pandemic. The 542 revised full papers presented were carefully reviewed and selected from 1809 submissions in a double-blind review process. The papers are organized in the following topical sections: Part I: machine learning methodologies Part II: image reconstruction; prediction and diagnosis; cross-domain methods and reconstruction; domain adaptation; machine learning applications; generative adversarial networks Part III: CAI applications; image registration; instrumentation and surgical phase detection; navigation and visualization; ultrasound imaging; video image analysis Part IV: segmentation shape models and landmark detection Part V: biological, optical, microscopic imaging; cell segmentation and stain normalization; histopathology image analysis; ophthalmology Part VI: angiography and vessel analysis; breast imaging; colposcopy; dermatology; fetal imaging; heart and lung imaging; musculoskeletal imaging; Part VI: brain and abdomen; Body and atlases; functional brain networks; neuroimaging; positron emission tomography Introduction to Image Processing - André Marion 1991-01-01 I. The past. the present . . and the future It is possible to take the view that ever since it began, the "ancient" branch of physics known as Optics has been concerned with process ing im ages. But since the Nineteen-Thirties increasingly close ties have been forming between Optics, which until then had been largely based on instruments, and the sciences of communication and information arising out of mathematics and electronics. Such developments follow naturally, since communication systems and image-forming systems are all we transmit information. Furthermore, the same mathematical forms are used for describing the beha viour of electrical and optical systems. It is a question of systems theory, particularly linear systems, and of Fourier's analysis methods, which together constitute an important part of Signal Theory. In the case of communication systems carrying signals of an electrical nature, information is time-related or temporal. Transmitted signals are one-dimensional and functions of a single variable, time t. In the case of optical systems information is spatial in nature. Signals are distributions of light intensity in space. In general they are treated as two-dimensional signals, being functions of two spatial variables written as x and y. In the early Fifties the way forward became clearer still when some scientists at the Institut d’Optique in Paris began using optical filtering techniques in coherent light in order to enhance the quality of photographs.

Candidates and Their Images - Dan D. Nimmo 1976

Permissions, A Survival Guide - Susan M. Bilstein 2010-06-15

If a picture is worth a thousand words, then it’s a good bet that at least half of those words relate to the picture’s copyright status. Art historians, artists, and anyone who wants to use the images of others will find themselves awash in byzantine legal terms, constantly evolving copyright law, varying interpretations by museums and estates, and despair over the complexity of the whole situation. Here, on a white—not a high—horse, Susan Bilstein offers her decades of experience as an editor working with illustrated books. In doing so, she unsnarls the threads of permissions that have ensnared scholars, critics, and artists for years. Organized as a series of "takes" that range from short sidebars to extended discussions, Permissions, A Survival Guide explores intellectual property law as it pertains to visual imagery. How can you determine whether an artwork is copyrighted? How do you procure a high-quality reproduction of an image? What does "fair use" really mean? Is it ever legitimate to use the work of an artist without permission? Bilstein distills these and other questions that glut who work with images in this highly visual age, and she does so based on her years navigating precisely these issues. As an editor who has hired a photographer to shoot an incredibly obscure work in the Italian mountains (a plan that backfired hilariously), who has tried to reason with artists’ estates in languages she doesn’t speak, and who has spent her time in the archival trenches, she offers a snappy and humane guide to this difficult terrain. Filled with anecdotes, asides, and real courage, Permissions, A Survival Guide is a unique handbook that anyone working in the visual arts will find invaluable, if not indispensable.

Analysis and Interpretation of Range Images - Raisbeck, C. Jain 1990

Computer vision researchers have been frustrated in their attempts to automatically derive depth information from conventional two-dimensional intensity images. Research on "shape from texture", "shape from shading", and "shape from focus" is still in a laboratory stage and has not seen much use in commercial machine vision systems. A range image or a depth map contains explicit information about the distance...
from the sensor to the object surfaces within the field of view in the scene. Information about “surface geometry” which is important for, say, three-dimensional object recognition is more easily extracted from “2 1/2 D” range images than from “2D” intensity images. As a result, both active sensors such as laser range finders and passive techniques such as multi-camera stereo vision are being increasingly utilized by vision researchers to solve a variety of problems. This book contains chapters written by distinguished computer vision researchers covering the following areas: Overview of 3D Vision Range Sensing Geometric Processing Object Recognition Navigation Inspection Multisensor Fusion A workshop report, written by the editors, also appears in the book. It summarizes the state of the art and proposes future research directions in range image sensing, processing, interpretation, and applications. The book also contains an extensive, up-to-date bibliography on the above topics. This book provides a unique perspective on the problem of three-dimensional sensing and processing. It is a comprehensive collection of papers devoted to range images. Both academic researchers interested in research issues in 3D vision and industrial engineers in search of solutions to particular problems will find this a useful reference book. 

Book of Images - Erik Kessels 2020-01-30

This Book of Images comes as a true storm, full of ideas on how to think differently about photography and context. How they can blend in with each other, enhance each other or clash with each other, creating an adventure that goes far further than basic, passive viewing. Images on homes, cars under water, up in the sky, printed, projected, still, moving, tiny or extremely huge. You can touch them, smell them, play with them, and immerse in them. This is a celebration of photography in its greatest form. Learn how to look differently and see more, and get inspired by this book on how to SHOW photography. Erik Kessels Discover how to: reel and unreel with Francis Alys . go to jail with John Baldessari . play hide-and-seek with Liu Bolin . fight for your copyrights with René Burri . fly a drone with Tadao Cern . investigate crimes with Matt Collishaw . travel to the moon with Cristina De Middel . learn to count with Hans Eijkelboom . count numbers with Hans Peter Feldman . go for a road trip with Lee Friedlander . ride a funeral train with Paul Fusco . play with shadows with Shilpa Gupta . take an inside out selfie with JR . upload pictures with Erik Kessels . inflate a whale with Daido Moriyama . listen to street music with Christian Marclay . scuba dive with Guido Mocafico . stand on your head with Arnold Odermatt . shoot crazy music videos with Ok Go . enter a picture with Martin Parr . open a drugstore with Christian Patterson . get lost in a crowd with Alex Prager . choose a gun with Andres Serrano . be supersized with Cindy Sherman . shoot a target with Roman Signer . sleep with Alec Soth . drill images with Vhils . build a house with Erwin Wurm. Images of Nebuchadnezzar - Ronald Herbert Sack 2004

Images of Nebuchadnezzar attempts to probe the diversity of cultural attitudes reflected in the characterizations of this famous king although an examination of both the original cuneiform sources as well as the accounts of chronographers written in Greek, Roman, and medieval times. Included in this revised and expanded second edition are two new chapters that examine both Nebuchadnezzar’s administrative policies and the impact that his death had on both contemporary and later cultures. Both the positive and negative images of the king are explored, with conclusions being developed as to what the authors of the various surviving accounts actually thought the king really was. In the process, the whole nature of historiography in the ancient world is analyzed, and a number of broad conclusions are developed. Anyone who has ever read Second Kings or the books of Daniel and Jeremiah of the Old Testament will find the king’s name familiar with the name of Nebuchadnezzar, the king of Babylon who conquered the kingdom of Judah and destroyed Solomon’s temple. As the second member of the Chaldean dynasty of Mesopotamia (626-539 B.C.), he ruled for forty-three years (605-562 B.C.), during which time he also led military campaigns into Syria and Lebanon. He also organized a number of building projects that were to transform Babylon into one of the seven wonders of the ancient world. Among his noteworthy achievements were the construction of massive fortification walls around Babylon, the refurbishing of Marduk’s temple in the city, and the building of huge palaces that served as the king’s residences. Tales of these legendary achievements, as well as those of his father, Nabopolasar (626-605 B.C.), also found their way into the narratives of a number of Greek, Roman, and medieval historians and chronographers many centuries later. Unfortunately, much of the record of Nebuchadnezzar’s achievements that was written in his own time has not survived. Instead, only secondary accounts of his military campaigns or his construction projects in Babylon written in Greek, Latin, Hebrew, or Arabic are available for analysis. These stories vary greatly in content and emphasis and, in many cases, distort much of what we know from Nebuchadnezzar’s own sources. The Hebrews, for example, described Nebuchadnezzar’s siege of Jerusalem in such a way as to consider it something that should never again be repeated. The Greeks, on the other hand, saw the building projects in Babylon as evidence of almost superhuman achievements, as monuments that were the result of efforts by a king who was almost godlike. Why, then, is there such diversity in the characterizations of Nebuchadnezzar? This book proposes answers to these questions. Images of Whiteness - Clarissa Behar 2019-01-04

This collection examines images of whiteness in literature, film, television, as well as ethnographic studies, and provides preliminary guidance to engage in anti-racist praxis and education. Images and Data Interpretation using Digital Image Processing - Abdullatif A. Al-Shuail 2017-06-05

Bridging the gap between modern image processing practices by the scientific community at large and the world of geology and reflection seismology. This book covers the basics of seismic exploration, with a focus on image processing techniques as applied to seismic data. Discussions of theories, concepts, and algorithms are followed by synthetic and real data examples to provide the reader with a practical understanding of the image processing technique and to enable the reader to apply these techniques to seismic data. The book will also help researchers interested in devising new algorithms, software and hardware for interpreting seismic data. Key Features: Provides an overview of popular seismic processing and interpretation techniques from the point of view of a digital signal processor. Presents image processing concepts that may be readily applied directly to seismic data. Includes ready-to-run MATLAB algorithms for most of the techniques presented. The book includes essential research and teaching material for digital signal and image processing individuals interested in learning seismic data interpretation from the point of view of digital signal processing. It is an ideal resource for students, professors and working professionals who are interested in learning about the application of digital signal processing theory and algorithms to seismic data.

Computer-Assisted Microscopy - John C. Russ 2012-12-06

The use of computer-based image analysis systems for all kinds of images, but especially for microscope images, has become increasingly widespread in recent years, as computer power has increased and costs have dropped. Software to perform each of the various tasks described in this book exists now, and without doubt additional algorithms to accomplish these same things more efficiently, and to perform new kinds of image processing, feature discrimination and measurement, will continue to be developed. This is likely to be true particularly in the field of three-dimensional imaging, since new microscopy methods are beginning to be used which can produce such data. It is not the intent of this book to train programmers who will assemble their own computer systems and write their own programs. Most users require only the barest knowledge of how to use the computer, but the greater their understanding of the various image analysis operations which are possible, their advantages and limitations, the greater the likelihood of success in their application. Likewise, the book assumes little in the way of a mathematical background, but the researcher with a secure knowledge of appropriate statistical tests will find it easier to put some of these methods into real use, and have confidence in the results, than one who has less background and experience. Supplementary texts and courses in statistics, microscopy, and specimen preparation are recommended as necessary. Clinical Endocrinology and Diagnostic Imaging - Brunová, Jana 2014-06-01

This monograph is based on the authors’ extensive experience in the areas of clinical endocrinology and diagnostic imaging, their clinical and research work and insight gained from teaching medical students and doctors in the Czech Republic and abroad. The chapters contain embryological and anatomical notes, clinical characteristics of individual endocrinopathies, laboratory and function tests, including reference values, indications and algorithms of imaging methods and principles of rational modern therapy of individual pathologies, including further clinical monitoring of patients. Texts also give practical advice regarding how to approach patients with endocrine gland diseases, point out some potential misinterpretations of examination results and are supplemented with numerous images of pathological states, which are almost
Remote Sensing Image Fusion - Christine Pohl 2016-10-03
Remote Sensing Image Fusion: A Practical Guide gives an introduction to remote sensing image fusion providing an overview on the sensors and applications. It describes data selection, application requirements and the choice of a suitable image fusion technique. It comprises a diverse selection of successful image fusion cases that are relevant to other users and other areas of interest around the world. The book helps newcomers to obtain a quick start into the practical value and benefits of multi-sensor image fusion. Experts will find this book useful to obtain an overview on the state of the art and understand current constraints that need to be solved in future research efforts. For industry professionals the book can be a great introduction and basis to understand multisensor remote sensing image exploitation and the development of commercialized image fusion software from a practical perspective. The book concludes with a chapter on current trends and future developments in remote sensing image fusion. Along with the book, RSIF website provides additional up-to-date information in the field.

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.

From Types to Images - James Hillman 2021-07-19
Moving Jungian psychology from types to images, to an image-based archetypal psychology, is James Hillman's concern in this volume. This volume leads from Hillman's principal essay on typology, "Equivalential Typologies versus the Perception of the Unique," to his expansive "Inquiry into Image." Hillman instigates an active re-visionsing, re-imaging, of psychology as a self-generative activity of the soul: "An image is given by the imagining perspective and can only be perceived by an act of imagining."

The Image Processing Handbook - John C. Russ 2018-09-03
Consistently rated as the best overall introduction to computer-based image processing, The Image Processing Handbook covers two-dimensional (2D) and three-dimensional (3D) imaging techniques, image printing and storage methods, image processing algorithms, image and feature measurement, quantitative image measurement analysis, and more. Incorporating image processing and analysis examples at all scales, from nano- to astro-, this Seventh Edition: Features a greater range of computationally intensive algorithms than previous versions Provides better organization, more quantitative results, and new material on recent developments Includes completely rewritten chapters on 3D imaging and a thoroughly revamped chapter on statistical analysis Contains more than 1700 references to theory, methods, and applications in a wide variety of disciplines Presents 500+ entirely new figures and images, with more than two-thirds appearing in color The Image Processing Handbook, Seventh Edition delivers an accessible and up-to-date treatment of image processing, offering broad coverage and comparison of algorithms, approaches, and outcomes.