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The DSLR cinema revolution began over ten years ago. Professional filmmakers, students, video journalists, event video shooters, production houses, and others jumped at the opportunity to shoot cinematic images on these low budget cameras. The first edition of the book mapped the way focusing exclusively on DSLRs. This new edition shows how you can create stunning cinematic images using low budget cinema cameras, from iPhones to the C200. The author examines new cameras and new projects as filmmakers shoot action movies with the Panasonic GH5, craft personal stories with Blackmagic's Pocket Cinema Camera, make documentaries and short films with the Canon C100 Mark II, and create music videos with the 5D Mark IV. This book, like the previous edition, takes the wisdom of some of the best shooters and empowers you to create visually stunning images with low budget cinema cameras. It includes six all new case studies, as well as updated examples from short films and documentaries. This book contains the essential tools to make you a better visual storyteller. FEATURES An examination of the creative and technical choices filmmakers face—everything from why we move cameras to shooting flat in order to widen the dynamic range of cameras Case studies from documentary filmmakers, news shooters, fiction makers, a visual anthropologist, and recent film school graduates An updated list of gear for low-budget filmmakers, including a section on what to look for in the gear you need to shoot and edit your projects

This book is a complete guide to the Sony Cyber-shot DSC-HX80 and HX90V cameras, two highly versatile, and pocketable, superzoom models, which offer a 30x optical zoom range from 24mm to 720mm. With this book, author Alexander White provides users of these two very similar models with a manual covering all aspects of the cameras' operation. Using a tutorial-like approach, the book shows beginning and intermediate photographers how to take still images and record video with the HX80 and HX90V, and explains when and why to use the cameras' many features. The book provides details about the cameras' automatic and advanced shooting modes as well as their menu options for shooting, playback, setup, and using Wi-Fi connections with in-camera apps. The book has more than 400 color photographs that illustrate the cameras' controls, display screens, and menus. The images also provide examples of photographs taken using the cameras' Scene mode, with settings optimized for subjects such as landscapes, sunsets, portraits, and action shots; and the Creative Style and Picture Effect menu options, with settings that alter the appearance of images. The book also provides introductions to topics such as street photography, macro photography, and getting the most benefit from the superzoom lens. The book includes a full discussion of the video features of the HX80 and HX90V, which can shoot HD movies, and which offer manual control of exposure during movie recording. In three appendices, the book discusses accessories for both models, including cases, power sources, and remote controls, and includes a list of websites and other resources for further information. The book includes an appendix with "quick tips" on how to take advantage of the cameras' features in the most efficient ways possible.

David Busch's Sony Alpha a6600/ILCE-6600 Guide to Digital Photography is the most comprehensive reference and guide book available for Sony's flagship APS-C mirrorless camera. This enthusiast digital camera has a more powerful processor and upgraded autofocus with enhanced real-time tracking and advanced Eye AF. Built-in 5-axis image stabilization allows sharp images hand-held even with slower shutter speeds. The a6600's new LCD swivels to face forward, making the camera excellent for self-portraits, vlogging, and other applications. The a6600 features a 24 megapixel sensor with 425 embedded phase-detect pixels for lightning-fast autofocus at up to 11 frames per second, and a more powerful battery to extend shooting life. With an electronic shutter that provides a silent shooting option, stunning 4K/UHD video capabilities, and new time-lapse photography features, the a6600/ILCE-6600 is a versatile digital camera that's simple to use, yet boasts features demanded by the most avid photo buff. With this book in hand, you will discover all the capabilities of the Sony Alpha a6600/ILCE-6600 as you explore the world of digital photography, develop your creativity, and capture the best photographs you've ever taken.

Filled with detailed how-to steps and full-color illustrations, David Busch's Sony Alpha a6600/ILCE-6600 Guide to Digital Photography describes every feature of this sophisticated camera in depth, from taking your first photos through advanced details of setup, exposure, lens selection, lighting, and more. It relates each feature to specific photographic techniques and situations. Also included is the handy camera "roadmap," an easy-to-use visual guide to the a6600/ILCE-6600's features and controls. Learn when to use every option and, more importantly, when not to use them, by following the author's recommended settings for every menu entry. With best-selling photographer and mentor David Busch as your guide, you'll quickly have full creative mastery of your camera's capabilities, whether you're shooting on the job, taking pictures as an advanced enthusiast pushing the limits of your imagination, or are just out for fun. Start building your knowledge and confidence, while bringing your vision to light with the Sony Alpha a6600/ILCE-6600.

Mastering the Nikon Z7 by Darrell Young provides a wealth of experience-based information and insights for owners of Nikon's new mirrorless full-frame Z7 camera. Darrell is determined to help the user navigate past the confusion that often comes with complex and powerful professional camera equipment. This book explores the features and capabilities of the camera in a way that far surpasses the user's manual. It guides readers through the camera features with step-by-step setting adjustments; color illustrations; and detailed how, when, and why explanations for each option. Every button, dial, switch, and menu configuration setting is explored in a user-friendly manner, with suggestions for setup according to various shooting styles. Darrell's friendly and informative writing style allows readers to easily follow directions, while feeling as if a friend dropped in to share his knowledge. The information in this book goes beyond the camera itself and also covers basic photography technique.

Photographer's Guide to the Leica D-Lux (Typ 109)
Innovations in Satellite Communications and Satellite Technology
Patents
31st Australasian Joint Conference, Wellington, New Zealand, December 11-14, 2018, Proceedings
High Efficiency Video Coding and Other Emerging Standards
Radio-electronics
The Industry Implications of DVB-S2X, High Throughput Satellites, Ultra HD, M2M, and IP

David Busch's Canon EOS R Guide to Digital Photography is your all-in-one comprehensive resource and reference for the exciting new Canon EOS R full-frame mirrorless camera. It sports a high-resolution 3O MP sensor embedded with 5,655 Dual-Pixel phase detection AF points for lightning-fast, precise autofocus. The EOS R's 3.69 million dot electronic viewfinder provides a bright, clear view. Three available mount adapters make it easy to supplement your R-mount lenses with a broad selection of legacy Canon EF and EF-S optics. The EOS R has Wi-Fi/ NFC connectivity to allow linking the camera to a computer and iOS or Android smart devices, high-definition movie-making capabilities, and a versatile swiveling touch screen LCD. With this book in hand, you can quickly apply all these advanced features to your digital photography, while boosting your creativity to take great photographs with your Canon EOS R.

 Filled with detailed how-to steps and full-color illustrations,   David Busch's Canon EOS R Guide to Digital Photography   covers all this upscale camera's features in depth, from taking your first photos through advanced details of setup, exposure, lens selection, lighting, and more, and relates each feature to specific photographic techniques and situations. Also included is the handy EOS R "roadmap" chapter, an easy-to-use visual guide to the camera's features and controls. Learn when to use each option and, more importantly, when not to use them, by following the author's recommended settings for every menu entry. With best-selling photographer and mentor David Busch as your guide, you'll quickly have full creative mastery of your camera's capabilities, whether you're shooting on the job, as an advanced enthusiast, or are just out for fun. Start building your knowledge and confidence, while bringing your vision to light with the Canon EOS R today. p.p1 {margin: 0.0px 0.0px 0.0px 0.0px; font: 12.0px 'Times New Roman'} p.p2 {margin: 0.0px 0.0px 0.0px 0.0px; font: 12.0px 'Times New Roman'; min-height: 15.0px} span.s1 {font: 11.0px Verdana}

We present in this volume the collection of finally accepted papers of the eighth edition of the "IWANN" conference ("International Work-Conference on Artificial Neural Networks"). This biennial meeting focuses on the foundations, theory, models and applications of systems inspired by nature (neural networks, fuzzy logic and evolutionary systems). Since the first edition of IWANN in Granada (LNCS 54O, 1991), the Artificial Neural Network (ANN) community, and the domain itself, have matured and evolved. Under the ANN banner we find a very heterogeneous scenario with a main interest and objective: to better understand nature and beings for the correct elaboration of theories, models and new algorithms. For scientists, engineers and professionals working in the area, this is a very good way to get solid and competitive applications. We are facing a real revolution with the emergence of embedded intelligence in many artificial systems (systems covering diverse fields: industry, domotics, leisure, healthcare, ...). So we are convinced that an enormous amount of work must be, and should be, still done. Many pieces of the puzzle must be built and placed into their proper positions, offering us new and solid theories and models (necessary tools) for the application and praxis of these current paradigms. The above-mentioned concepts were the main reason for the subtitle of the IWANN 2005 edition: "Computational Intelligence and Bioinspired Systems." The call for papers was launched several months ago, addressing the following topics: 1. Mathematical and theoretical methods in computational intelligence.

This book constitutes the refereed proceedings of the 21st International Symposium on VLSI Design and Test, VDAT 2017, held in Roorkee, India, in June/July 2017. The 48 full papers presented together with 27 short papers were carefully reviewed and selected from 246 submissions. The papers were organized in topical sections named: digital design; analog/mixed signal; VLSI testing; devices and technology; VLSI architectures; emerging technologies and memory; system design; low power design and test; RF circuits; architecture and CAD; and design verification.

Learn to take gorgeous photos with this beginner-friendly guide to dSLR photography The Canon EOS Rebel T8i/850D dSLR camera has dozens of features that can help you take beautiful and striking photos. But if you're new to photography, where do you begin? And is it possible to get up to speed quickly, without a lot of technical knowledge? Absolutely! In Canon EOS Rebel T8i/850D For Dummies, expert photography educator Julie King shares on her years of experience as she walks you through the ins and outs of photography and your Canon camera. Julie skips the technical jargon and gives you the info you need in plain language, guiding you through everything from shooting your first photos in auto mode to taking full control of your camera's features. In the book you'll: Take the fast track to stunning stills with camera setup, picture settings, and Canon's Auto Mode Customize your picture taking experience by taking control of settings like exposure and focus Access and organize your new picture library both on your camera and your computer Perfect for anyone who's just received a Canon EOS Rebel and doesn't know where to begin, this book will also earn a place in the libraries of more seasoned photographers who want to unlock everything this great camera has to offer.

Getting the Most from Sony's Advanced Digital Camera
Wireless Communication and Sensor Network
The frontier of instrumentation and measurement
Getting the Most from Sony's Pocketable Digital Camera
Applied Reconfigurable Computing
Photographer's Guide to the Sony DSC-RX1O II
A beginner's guide to filmmaking on a budget

With the release of Photographer's Guide to the Leica D-Lux (Typ 109), White Knight Press provides a complete guide to the use of this advanced compact camera. The book shows beginning and intermediate photographers how to capture excellent images and video sequences with the D-Lux. The book explains the camera's controls for autofocus, manual focus, aperture, shutter speed, exposure compensation, white balance, and ISO, as well as many other settings. The book also discusses the D-Lux's numerous options for playback, setup, and customizing the operation of its various buttons and other controls. The book contains more than 350 color photographs showing the camera's controls, display screens, and menus. The book includes examples of photographs taken using the creative settings of the camera, including the Photo Style settings; the Filter button picture effects, which provide the ability to customize the appearance of images in dramatic ways; and the camera's features for continuous shooting and shooting in high-contrast lighting conditions. The book also includes a full discussion of the video recording abilities of the D-Lux camera, which offers manual control of exposure and focus during movie recording, and which provides ultra-high definition 4K recording of motion pictures. In three appendices, the book provides information about accessories for the D-Lux, including cases, external flash units, and other items, and includes a list of web sites and other resources for further information. The book includes an appendix with helpful Quick Tips that explain how to take advantage of the camera's features in the most efficient ways possible.

This book constitutes the proceedings of the 15th International Symposium on Applied Reconfigurable Computing, ARC 2019, held in Darmstadt, Germany, in April 2019. The 20 full papers and 7 short papers presented in this volume were carefully reviewed and selected from 52 submissions. In addition, the volume contains 1 invited paper. The papers were organized in topical sections named: Applications; partial reconfiguration and security; image/video processing; high-level synthesis; CGRAs and vector processing; architectures; design frameworks and methodology; convolutional neural networks.

Learn to master your Nikon D780 and take full advantage of all its capabilities!

Mastering the Nikon D780 by Darrell Young provides a wealth of experience-based information and insights for owners of the new D780 camera. Darrell is determined to help the user navigate past the confusion that often comes with complex and powerful professional camera equipment.

This book explores the features and capabilities of the camera in a way that far surpasses the user's manual. It guides readers through the camera features with step-by-step setting adjustments; color illustrations; and detailed how, when, and why explanations for each option. Every button, dial, switch, and menu configuration setting is explored in a user-friendly manner, with suggestions for setup according to various shooting styles.

Darrell's friendly and informative writing style allows readers to easily follow directions, while feeling as if a friend dropped in to share his knowledge. The information in this book goes beyond the camera itself and also covers basic photography technique.

High Efficiency Video Coding and Other Emerging Standards provides an overview of high efficiency video coding (HEVC) and all its extensions and profiles. There are nearly 300 projects and problems included, and about 400 references related to HEVC alone. Next generation video coding (NGVC) beyond HEVC is also described. Other video coding standards such as AVS2, DAALA, THOR, VP9 (Google), DIRAC, VC1, and AV1 are addressed, and image coding standards such as JPEG, JPEG-LS, JPEG2000, JPEG XR, JPEG XS, JPEG XT and JPEG-Pleno are also listed. Understanding of these standards and their implementation is facilitated by overview papers, standards documents, reference software, software manuals, test sequences, source codes, tutorials, keynote speakers, panel discussions, reflector and ftp/web sites – all in the public domain. Access to these categories is also provided.

Photographer's Guide to the Nikon Coolpix B700
AI 2018: Advances in Artificial Intelligence
IMtc

Computational Intelligence and Bioinspired Systems

15th International Conference, Las Palmas de Gran Canaria, Spain, February 8-13, 2015, Revised Selected Papers

17th International Forum, IFTC 2020, Shanghai, China, December 2, 2020, Revised Selected Papers

DSLR Cinema

This book is a complete guide to using the Sony Cyber-shot DSC-RX10 II camera, one of the most advanced compact cameras available. With this book, author Alexander White provides users of the RX10 II with a manual covering all aspects of the camera's operation. Using a tutorial-like approach, the book shows beginning and intermediate photographers how to accomplish things with the RX10 II, and explains when and why to use the camera's many features. The book provides details about the camera's shooting modes as well as its menu options for shooting, playback, setup, and special effects. The book covers all of the features of the RX10 II that are new for this model, including its electronic shutter, faster continuous shooting, 4K video recording, and ability to shoot video at up to 960 frames per second for super slow-motion playback. The book includes more than 450 color photographs that illustrate the camera's controls, display screens, and menus. The images also provide examples of photographs taken using the RX10 II's Scene mode, with settings optimized for subjects such as landscapes, sunsets, portraits, and action shots; and the Creative Style and Picture Effect menu options, with settings for altering the appearance of images. The book also provides introductions to topics such as street photography, astrophotography, and digiscoping. The book includes a full discussion of the video features of the RX10 II, which can shoot HD and 4K (ultra-HD) movies, with manual control of exposure and focus during movie recording. The book also explains the camera's numerous features for professional-level videography, including Picture Profiles that allow adjustment of settings such as gamma curve, black level, knee, and detail. The book provides detailed information about recording 4K video to an external video recorder using the "clean" video output from the camera's HDMI port. In three appendices, the book discusses accessories for the RX10 II, including cases, power sources, remote controls, and external flash units, and includes a list of websites and other resources for further information. The book includes an appendix with "quick tips" on how to take advantage of the camera's features in the most efficient ways possible. This guide to the RX10 II includes a detailed index, so the reader can quickly find needed information about any particular feature or aspect of the camera.

Mastering the Nikon D780Rocky Nook, Inc.

This proceedings volume collects the most up-to-date, comprehensive and state-of-the-art knowledge on wireless communication, sensor network, network technologies, services and application. Written by world renowned researchers, each chapter is original in content, featuring high-impact presentations and late-breaking contributions. Researchers and practitioners will find this edition a useful resource material and an inspirational read. Contents:Wireless CommunicationsNetwork TechnologiesServices and Application Readership: Researchers, academics, professionals and graduate students in neural networks/networking, electrical & electronic engineering, and condensed matter physics.

Implement state-of-the-art Mobile TV networks with this comprehensive guide to the latest technologies and standards, including MediaFLO, ATSC Mobile DTV, and CMMB, the same technologies seeing large-scale rollouts today around the world. You not only gain deep insight into the maze of technologies, but also the principles of mobile content-what makes it work, how it's produced, repurposed and delivered securely, and how it integrates with mobile and Internet domains. Learn about the key enablers of a mobile TV service, like smartphones, chipsets, and mobile software. Gain access to a detailed look at the networks deployed worldwide with real-world case studies. The informative diagrams provide rich visualization of the new technologies, services, and revenue models. Gain understanding of how mobile TV can be made interactive and how it can be delivered seamlessly in multiple markets. Get insight into the growing capabilities of multimedia handsets and software which drives innovative applications. Author Amitabh Kumar begins with the basics of mobile multimedia and progresses to cover details of technologies, networks, and firmware for mobile TV services. Easy to follow, Implementing Mobile TV features a rich presentation that includes dozens of FAQs and "Quick Facts." This new edition is updated to reflect the quickly evolving world of Mobile TV, focusing on factors for success and providing understanding of:

Calculus: Early Transcendental Functions

Mastering the Nikon D780

21st International Symposium, VDAT 2017, Roorkee, India, June 29 - July 2, 2017, Revised Selected Papers

Hardware Specification

David Busch's Canon EOS R Guide to Digital Photography

Proceedings of the International Conference on Wireless Communication and Sensor Network (WCSN 2015)

Photographer's Guide to the Sony DSC-RX100 V

Surveys key advances in commercial satellite communications and what might be the implications and/or opportunities for end-users and service providers in utilizing the latest fast-evolving innovations in this field This book explores the evolving technical options and opportunities of satellite networks. Designed to be a self-contained reference, the book includes background technical material in an introductory chapter that will serve as a primer to satellite communications. The text discusses advances in modulation techniques, such as DBV-S2 extensions (DVS-S2X); spotbeam-based geosynchronous and medium earth orbit High Throughput Satellite (HTS) technologies and Internet applications; enhanced mobility services with aeronautical and maritime applications; Machine to Machine (M2M) satellite applications; emerging ultra HD technologies; and electric propulsion. The author surveys the latest innovations and service strategies and the resulting implications, which involves: Discussing advances in modulation techniques and HTS spotbeam technologies Surveying emerging high speed aeronautical mobility services and maritime and other terrestrial mobility services Assessing M2M (machine-to-machine) applications, emerging Ultra HD video technologies and new space technology Satellite communication is an integral part of the larger fields of commercial, television/media, government, and military communications, because of its multicast/broadcast capabilities, mobility, reliability, and global reach. High Throughput Satellites (HTS) are expected to revolutionize the field during this decade, providing very high speed, yet cost-effective, Internet access and connectivity anywhere in the world, in rural areas, in the air, and at sea. M2M connectivity, enabled by satellite communications, connects trucks on transcontinental trips, aircraft in real-time-telemetry aggregation, and mercantile ships. A comprehensive analysis of the new advances in satellite communications, Innovations in Satellite Communications Technology is a reference for telecommunications and satellite providers and end-users, technology investors, logistic professionals, and more.

The two-volume set LNCS 11961 and 11962 constitutes the thoroughly refereed proceedings of the 25th International Conference on MultiMedia Modeling, MMM 2020, held in Daejeon, South Korea, in January 2020. Of the 171 submitted full research papers, 40 papers were selected for oral presentation and 46 for poster presentation; 28 special session papers were selected for oral presentation and 8 for poster presentation; in addition, 9 demonstration papers and 6 papers for the Video Browser Showdown 2020 were accepted. The papers of LNCS 11961 are organized in the following topical sections: audio and signal processing; coding and HVS; color processing and art; detection and classification; face; image processing; learning and knowledge representation; video processing; poster papers; the papers of LNCS 11962 are organized in the following topical sections: poster papers; AI-powered 3D vision; multimedia analytics: perspectives, tools and applications; multimedia datasets for repeatable experimentation; multi-modal affective computing of large-scale multimedia data; multimedia and multimodal analytics in the medical domain and pervasive environments; intelligent multimedia security; demo papers; and VBS papers.

This book presents revised selected papers from the 17th International Forum on Digital TV and Wireless Multimedia Communication, IFTC 2020, held in Shanghai, China, in December 2020. The 21 full papers and 16 short papers presented in this volume were carefully reviewed and selected from 120 submissions. They were organized in topical sections on image processing; machine learning; quality assessment; telecommunications; video surveillance; and virtual reality.

Guide book for Sony DSC-RX100 V camera

The California/New York Type 170 Traffic Signal Controller System

David Busch's Sony Alpha a7C Guide to Digital Photography

3D for Beginners

COMPREHENSIVE LAPAROSCOPIC SURGERY

Mastering the Nikon Z7

Official Gazette of the United States Patent and Trademark Office

If you're just beginning to dive into the world of 3D, this is the book for you." ?Animation Magazine The Academy Award® winning Maya® 3D animation and effects software is the first choice of film and video artists, game developers, and 3D design professionals. Discover how to build, render, and animate your own digital models and scenes, and begin to develop professional-level Maya skills with the latest edition of this popular bestseller. Starting with the basics, the book builds from the ground up, combining straightforward text with practical examples that make it fun and easy to learn Maya's core features while introducing new Maya 8 elements such as improved polygon tools and enhanced rendering with mental ray. Clear-cut, engaging lessons let you experiment using the wealth of files provided on the CD-ROM. You'll also find an abundance of instructional and inspirational Maya creations in the full-color insert. The accompanying CD-ROMs images, movies, and scene files let you view material from the book right on your own computer. Tackle all-new rendering and dynamics tutorials and much more. The CD includes Maya Personal Learning Edition software.

This book is a complete manual on the Sony Cyber-shot DSC-RX100 VI camera, one of the most advanced, but still pocketable, cameras available. With this book, author Alexander White provides users of the RX100 VI with a guide to all aspects of the camera's operation. Using a tutorial-like approach, the book shows beginning and intermediate photographers how to take still images and record video with the RX100 VI, and explains when and why to use the camera's many features. The book provides details about the camera's automatic and advanced shooting modes, including burst shooting at rates as fast as 24 frames per second, as well as its numerous menu options for shooting, playback, and setup. The book includes information about using Wi-Fi and Bluetooth connections for image transfer, remote control, and adding location information to images. The book has more than 500 color photographs or illustrations that help explain the camera's menus, shooting screens, and features. These images include examples of photographs taken using the RX100 VI's Scene mode, with settings optimized for subjects such as landscapes, sunsets, portraits, low-light, and action shots; and the Creative Style and Picture Effect menu options, with settings that alter the appearance of images. The book also provides introductions to topics such as street photography, astrophotography, and digiscoping, with photographic examples. The book includes a full discussion of the video features of the RX100 VI, which can shoot HD and 4K (ultra-HD) movies, and which offers manual control of exposure and focus during movie recording. The book explains the camera's numerous features that are useful for professional-level videography, including Picture Profiles that allow adjustment of settings such as gamma curve, black level, knee, and detail. The book provides detailed information about recording 4K video to an external video recorder using the "clean" video output from the camera's HDMI port. In three appendices, the book discusses accessories for the RX100 VI, including cases, power sources, grips, remote controls, and filter adapters, and includes a list of websites and other resources for further information. The book includes an appendix with "quick tips" on how to take advantage of the camera's features in the most efficient ways possible. This guide to the RX100 VI includes a detailed index, so the reader can quickly find needed information about any particular feature or aspect of the camera.

This book is a complete guide to using the Sony Cyber-shot DSC-RX10 III camera. With this book, author Alexander White provides users of the RX10 III with a manual covering all aspects of the camera's operation. Using a tutorial-like approach, the book shows beginning and intermediate photographers how to accomplish things with the RX10 III, and explains when and why to use the camera's many features. The book provides details about the camera's shooting modes as well as its menu options for shooting, playback, setup, and special effects. The book covers all features of the RX10 III that are new for this model, including its high-quality zoom lens with a reach of 600mm; its Zoom Assist feature, which lets a photographer instantly pull back the zoom lens for a wide view before zooming back to a telephoto shot; and its additional controls, including a Focus Hold button on the side of the lens and a third Custom button, which is available for programming by the user. The book includes more than 450 color photographs that illustrate the camera's controls, display screens, and menus. The images include examples of photographs taken using the RX10 III's Scene mode, with settings optimized for subjects such as landscapes, sunsets, portraits, and action shots; and its Creative Style and Picture Effect menu options, with settings for altering the appearance of images. The book also provides introductions to topics such as street photography and infrared photography, and includes details on using the camera's Wi-Fi features for transferring images to a smartphone or tablet, or controlling the camera from such a device. The book includes a full discussion of the video features of the RX10 III, which can shoot HD and 4K (ultra-HD) movies, with manual control of exposure and focus during movie recording. The book explains the camera's numerous features for professional-level videography, including Picture Profiles that allow adjustment of settings such as gamma curve, black level, knee, and detail. The book describes the steps for recording 4K video to an external video recorder using the "clean" video output from the camera's HDMI port. In three appendices, the book discusses accessories for the RX10 III, including cases, power sources, microphones and external flash units, and includes a list of websites and other resources for further information. The book includes an appendix with "quick tips" on how to take advantage of the camera's features in the most efficient ways possible. This guide to the RX10 III includes a detailed index, so the reader can quickly find needed information about any particular feature or aspect of the camera.

This volume constitutes the papers presented in the 15th International Conference on Computer Aided Systems Theory, EUROCAST 2015, held in February 2015 in Las Palmas de Gran Canaria, Spain. The total of 107 papers presented were carefully reviewed and selected for inclusion in the book. The contributions are organized in topical sections on Systems Theory and Applications; Modelling Biological Systems; Intelligent Information Processing; Theory and Applications of Metaheuristic Algorithms; Computer Methods, Virtual Reality and Image Processing for Clinical and Academic Medicine; Signals and Systems in Electronics; Model-Based System Design, Verification, and Simulation; Digital Signal Processing Methods and Applications; Modelling and Control of Robots; Mobile Platforms, Autonomous and Computing Traffic Systems; Cloud and Other Computing Systems; and Marine Sensors and Manipulators.

Introducing Maya 8

Getting the Most from Leica's Advanced Compact Camera

Computer Aided Systems Theory – EUROCAST 2015

8th International Work-Conference on Artificial Neural Networks, IWANN 2005, Vilanova i la Geltrú, Barcelona, Spain, June 8-10, 2005, Proceedings

EDN.

Official Gazette of the United States Patent Office

ATSC Mobile DTV, MediaFLO, DVB-H/SH, DMB,WiMAX, 3G Systems, and Rich Media Applications

This guide to programming the 8051 is unique in that it uses the three major programming languages, details the specific multi-tasking features of the 8051, and emphasizes the overall design focus that must go along with good software development. KEY TOPICS: "It also teaches languages with the emphasis on embedded hardware rather than data processing, and emphasizes the thinking that goes into multi-tasking. For design engineers, product development engineers and senior engineers involved in software development or the development of dedicated programs for embedded control products.

This handbook provides comprehensive treatment of the current state of glass science from the leading experts in the field. Opening with an enlightening contribution on the history of glass, the volume is then divided into eight parts. The first part covers fundamental properties, from the current understanding of the thermodynamics of the amorphous state, kinetics, and linear and nonlinear optical properties through colors, photosensitivity, and chemical durability. The second part provides dedicated chapters on each individual glass type, covering traditional systems like silicates and other oxide systems, as well as novel hybrid amorphous materials and spin glasses. The third part features detailed descriptions of modern characterization techniques for understanding this complex state of matter. The fourth part covers modeling, from first-principles calculations through molecular dynamics simulations, and statistical modeling. The fifth part presents a range of laboratory and industrial glass processing methods. The remaining parts cover a wide and representative range of applications areas from optics and photonics through environment, energy, architecture, and sensing. Written by the leading international experts in the field, the Springer Handbook of Glass represents an invaluable resource for graduate students through academic and industry researchers working in photonics, optoelectronics, materials science, energy, architecture, and more.

This book constitutes the proceedings of the 31st Australasian Joint Conference on Artificial Intelligence, AI 2018, held in Wellington, New Zealand, in December 2018. The 50 full and 26 short papers presented in this volume were carefully reviewed and selected from 125 submissions. The paper were organized in topical sections named: agents, games and robotics; AI applications and innovations; computer vision; constraints and search; evolutionary computation; knowledge representation and reasoning; machine learning and data mining; planning and scheduling; and text mining and NLP.

David Busch's Sony Alpha a7C Guide to Digital Photography is the most comprehensive resource and reference for Sony's ultra-compact 24-megapixel full frame mirrorless camera. The a7C packs large sensor image quality and low light performance into the world's smallest full-frame camera with in-body five-axis image stabilization. The perfect companion for travel photography under the most demanding conditions, it's also fast enough for 10 frames-per-second action photography bursts, and delivers the resolution the most demanding landscape or fine-art photographer require.

With fast, sensor-based 693-point phase detect autofocus (with real-time face and eye tracking), and 4K and full HD video capabilities, the a7C has all the tools needed to take incredible still images and capture compelling movies and video blogs. This book will show you how to master those features as you explore

the world of digital photography and hone your creativity with your a7C.

Filled with detailed how-to steps and full-color illustrations, David Busch's Sony Alpha a7C Guide to Digital Photography covers every feature of this camera in depth, from taking your first photos through advanced details of setup, exposure, lens selection, lighting, and more, and relates each feature to specific photographic techniques and situations. Also included is the handy camera "roadmap" chapter, an easy-to-use visual guide to the camera's features and controls. Learn when to use every option and, more importantly, when not to use them, by following the author's recommended settings for each menu entry. With best-selling photographer and mentor David Busch as your guide, you'll quickly have full creative mastery of your camera's capabilities, whether you're shooting on the job, as an advanced enthusiast exploring full frame photography for the first time, or are just out for fun. Start building your knowledge and confidence, while bringing your vision to light with the Sony a7C.

26th International Conference, MMM 2020, Daejeon, South Korea, January 5-8, 2020, Proceedings, Part II
Getting the Most from Nikon's Superzoom Camera
Digital Design
15th International Symposium, ARC 2019, Darmstadt, Germany, April 9-11, 2019, Proceedings
Implementing Mobile TV
Photographer's Guide to the Sony RX10 III
Beginning Java 8 Games Development
Guide book for Nikon Coolpix B700 digital camera

Beginning Java 8 Games Development, written by Java expert and author Wallace Jackson, teaches you the fundamentals of building a highly illustrative game using the Java 8 programming language. In this book, you'll employ open source software as tools to help you quickly and efficiently build your Java game applications. You'll learn how to utilize vector and bit-wise graphics; create sprites and sprite animations; handle events; process inputs; create and insert multimedia and audio files; and more. Furthermore, you'll learn about JavaFX 8, now integrated into Java 8 and which gives you additional APIs that will make your game application more fun and dynamic as well as give it a smaller foot-print; so, your game application can run on your PC, mobile and embedded devices. After reading and using this tutorial, you'll come away with a cool Java-based 2D game application template that you can re-use and apply to your own game making ambitions or for fun.

Learn to master your Nikon Z6 II / Z7 II and take full advantage of all its capabilities!

Mastering the Nikon Z6 II / Z7 II by Darrell Young provides a wealth of experience-based information and insights for owners of the new Z6 II or Z7 II camera. Darrell is determined to help the user navigate past the confusion that often comes with complex and powerful professional camera equipment.

This book explores the features and capabilities of the cameras in a way that far surpasses the user's manual. It guides readers through the cameras' features with step-by-step setting adjustments; color illustrations; and detailed how, when, and why explanations for each option. Every button, dial, switch, and menu configuration setting is explored in a user-friendly manner, with suggestions for setup according to various shooting styles.

Darrell's friendly and informative writing style allows readers to easily follow directions, while feeling as if a friend dropped in to share his knowledge. The information in this book goes beyond the camera itself and also covers basic photography technique.

Designed for the three-semester engineering calculus course, CALCULUS: EARLY TRANSCENDENTAL FUNCTIONS, 5/e, continues to offer instructors and students innovative teaching and learning resources. The Larson team always has two main objectives for text revisions: to develop precise, readable materials for students that clearly define and demonstrate concepts and rules of calculus; and to design comprehensive teaching resources for instructors that employ proven pedagogical techniques and save time. The Larson/Edwards Calculus program offers a solution to address the needs of any calculus course and any level of calculus student. Every edition from the first to the fourth of CALCULUS: EARLY TRANSCENDENTAL FUNCTIONS, 5/e has made the mastery of traditional calculus skills a priority, while embracing the best features of new technology and, when appropriate, calculus reform ideas. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.
C and the 8051
Getting the Most from Sony's Advanced Compact Camera
An Interface Between a Datametrics 1085A Manometer and a Hewlett-Packard 2100S Computer
MultiMedia Modeling
Mastering the Nikon Z6 II / Z7 II
Photographer's Guide to the Sony DSC-RX100 VI
Getting the Most from Sony's Pocketable Superzoom Cameras