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SHANNON GAIGE

Linux Device Drivers BoD – Books on Demand

This second edition, comprising 28 chapters, explains every aspect of the role of radiographers in performing CT colonography (CTC) and interpreting CTC images with the aim of enabling radiographers to extend the scope of their practice. It provides information required with respect to communication with the patient, procurement of informed consent, the principles of CT as well as dual-energy CT and photon counting CT, radiation dose, patient preparation and positioning, the use of contrast media, the performance of diagnostic and screening CTC studies, the interpretation and reporting of images, legal and professional requirements, and the importance of clinical audits. A wide range of CTC findings is described and depicted, covering normal anatomy, artefacts, haemorrhoids, polyps, colon cancer, diverticular disease, lipomas, extracolonic structures, opportunistic screening for osteoporosis and metabolic associated fatty disease, and CTC in incomplete or failed colonoscopy. The role of other modalities such as ultrasound, magnetic resonance imaging, and nuclear medicine in colorectal cancer patients is discussed. In addition, the text covers the role of artificial intelligence and machine learning in imaging of the colon for the detection of polyps, diagnosis and staging of colorectal cancer. Lastly, a chapter focusing on self-assessment of image interpretation will aid learning. This book provides the support that radiographers need in order to perform CTC studies to the standard required in terms of advances in imaging and interpretation of images.

[Wireless Multimedia Sensor Networks on Reconfigurable](#)

Hardware CRC Press

Presents an introduction to the open-source electronics prototyping platform.

Digital Copyright Springer Science & Business Media

Digital Communications is a classic book in the area that is designed to be used as a senior or graduate level text. The text is flexible and can easily be used in a one semester course or there is enough depth to cover two semesters. Its comprehensive nature makes it a great book for students to keep for reference in their professional careers. This all-inclusive guide delivers an outstanding introduction to the analysis and design of digital communication systems. Includes expert coverage of new topics: Turbocodes, Turboequalization, Antenna Arrays, Digital Cellular Systems, and Iterative Detection. Convenient, sequential organization begins with a look at the history and classification of channel models and builds from there.

Smart Village Technology Prometheus Books

Innovative ideas provide solutions to problems that creators are passionate about, which stimulates the decision of technology-based company creation. This book explores the fundamental elements and economic valuation of technology-based startups and their immediate ecosystems. It covers all the phases and the required competencies for technological startup creation and development. This book also provides a comprehensive coverage of methods and recommendations for defining and assessing opportunities to create new tech companies for many young researchers or students aspiring to be innovators. Featuring contributions from financial market analysts, business professionals, and venture capitalists, this book benefits readers from different disciplines, technical or non-technical, associated with tech startup projects.

Kryger's Principles and Practice of Sleep Medicine - E-Book John

Wiley & Sons

Surveys the online social habits of American teens and analyzes the role technology and social media plays in their lives, examining common misconceptions about such topics as identity, privacy, danger, and bullying.

What's Your Digital Business Model? Springer Nature

A human anatomy coloring book, organized according to body systems.

Social Science Research PixelMed Publishing

This book considers the challenges related to the effective implementation of artificial intelligence (AI) and machine learning (ML) technologies to the cultural heritage digitization process. Particular focus is placed on improvements to the data acquisition stage, as well as the data enrichment and curation stages, using advanced artificial intelligence techniques and tools. An emphasis is placed on recent applications related to deep learning for visual recognition, generative models, natural language processing, and super resolution. The book is a valuable reference for researchers working in the multidisciplinary field of cultural heritage and AI, as well as professional experts in the art and culture domains, such as museums, libraries, and historic sites and buildings. Reports on techniques and methods that leverage AI and machine learning and their impact on the digitization of cultural heritage; Addresses challenges of improving data acquisition, enrichment and management processes; Highlights contributions from international researchers from diverse fields and subject areas.

The Lawyers Guide to Adobe Acrobat Routledge

Provides information on writing a driver in Linux, covering such topics as character devices, network interfaces, driver debugging, concurrency, and interrupts.

Digital Terrain Modeling Springer Nature

Education is the key to America's economic growth and prosperity

and to our ability to compete in the global economy. It is the path to higher earning power for Americans and is necessary for our democracy to work. It fosters the cross-border, cross-cultural collaboration required to solve the most challenging problems of our time. The National Education Technology Plan 2010 calls for revolutionary transformation. Specifically, we must embrace innovation and technology which is at the core of virtually every aspect of our daily lives and work. This book explores the National Education Technology Plan which presents a model of learning powered by technology, with goals and recommendations in five essential areas: learning, assessment, teaching, infrastructure and productivity.

Advanced Algebra For Dummies

Written by experts, *Digital Terrain Modeling: Principles and Methodology* provides comprehensive coverage of recent developments in the field. The topics include terrain analysis, sampling strategy, acquisition methodology, surface modeling principles, triangulation algorithms, interpolation techniques, on-line and off-line quality control in data a

Data Analytics for Cultural Heritage American Bar Association Since he began posting in 2003, Dempsey has used his blog to explore nearly every important facet of library technology, from the emergence of Web 2.0 as a concept to open source ILS tools and the push to web-scale library management systems.

DICOM Structured Reporting Addison-Wesley Professional Basic Algebra and Advanced Algebra systematically develop concepts and tools in algebra that are vital to every mathematician, whether pure or applied, aspiring or established. Advanced Algebra includes chapters on modern algebra which treat various topics in commutative and noncommutative algebra and provide introductions to the theory of associative algebras, homological algebras, algebraic number theory, and algebraic geometry. Many examples and hundreds of problems are included, along with hints or complete solutions for most of the problems. Together the two books give the reader a global view of algebra and its role in mathematics as a whole.

Feminism, Digital Culture and the Politics of Transmission

Springer Science & Business Media

International trade in high value perishables has grown enormously in the past few decades. In the developed world consumers now expect to be able to eat perishable produce from

all parts of the world, and in most cases throughout the year. Perishable plant products are, however, susceptible to physical damage and often have a potential storage life of only a few days. Given their key importance in the world economy, *Crop Post-Harvest Science and Technology: Perishables* devotes itself to perishable produce, providing current and comprehensive knowledge on all the key factors affecting post-harvest quality of fruits and vegetables. This volume focuses explicitly on the effects and causes of deterioration, as well as the many techniques and practices implemented to maintain quality through correct handling and storage. As highlighted throughout, regular losses caused by post-harvest spoilage of perishable products can be as much as 50%. A complete understanding, as provided by this excellent volume, is therefore vital in helping to reduce these losses by a significant percentage. Compiled by members of the world-renowned Natural Resources Institute at the United Kingdom's University of Greenwich, with contributions from experts around the world, this volume is an essential reference for all those working in the area. Researchers and upper-level students in food science, food technology, post-harvest science and technology, crop protection, applied biology and plant and agricultural sciences will benefit from this landmark publication. Libraries in all research establishments and universities where these subjects are studied and taught should ensure that they have several copies for their shelves.

Introduction to Embedded Systems, Second Edition American Library Association

This publication looks at how the digital age is affecting the field of history for both scholars and students. The book does not seek either to applaud or condemn digital technologies, but takes a more conceptual view of how the field of history is being changed by the digital age.

Journal of the House of Delegates of the Commonwealth of Virginia CreateSpace

A quiet revolution is taking place within the computer ecosystem; one that will change the way we do business on the internet. It's called blockchain, and it promises to disrupt the way people interact with one another online, whether its messaging, banking, keeping up with medical records, land records, booking a vacation, socializing, or voting. Programs are also being developed to use blockchain to serve as one's identity "papers."

Blockchain technology is based on the idea that all online transactions should be between two people without the need for public or private third-party oversight. Blockchain technology developers believe thoughts and ideas should be shared, not quashed. It's a world where web platforms are governed by their members, not a board of directors; privacy comes first, and one's personal information is kept private, not for third parties to take and sell as they please. Blockchain technology offers everyone opportunities to take part. Anyone can participate in the fast-growing world using non-fungible tokens (NFTs), where works of art, music, literature, and poetry can be tokenized and sold or traded on a blockchain. These components comprise the next generation of the world wide web, which is referred to as Web 3.0. Billions of dollars are being spent to create infrastructure to create a viable framework to mainstream blockchain. This book offers a peek into this new world with examples of how this technology is being used today as well as the hurdles, including legal challenges, it must overcome to be viable. So, if you're ready, let's meet blockchain.

On power system automation: World Bank Publications

Explore business and technical implications Understand established regulatory standards Deploy and manage digital signatures Enable business with digital signatures Digital documents are increasingly commonplace in today's business world, and forward-thinking organizations are deploying digital signatures as a crucial part of their part of their strategy. Businesses are discovering a genuine market demand for digital signatures in support of organizational goals. This book is your guide to the new business environment. It outlines the benefits of embracing digital signature techniques and demystifies the relevant technologies. Advance your organization's digital strategy Provide strong non-repudiation Offer "what you see is what you sign" Ensure enhanced security Provide user convenience and mobility

National Education Technology Plan Springer Nature

This book is designed to introduce doctoral and graduate students to the process of conducting scientific research in the social sciences, business, education, public health, and related disciplines. It is a one-stop, comprehensive, and compact source for foundational concepts in behavioral research, and can serve as a stand-alone text or as a supplement to research readings in

any doctoral seminar or research methods class. This book is currently used as a research text at universities on six continents and will shortly be available in nine different languages.

Blown to Bits John Wiley & Sons

This handbook of formal analysis in cryptography is very important for secure communication and processing of information. It introduces readers to several formal verification methods and software used to analyse cryptographic protocols. The chapters give readers general knowledge and formal methods focusing on cryptographic protocols. Handbook of Formal Analysis and Verification in Cryptography includes major formalisms and tools used for formal verification of cryptography, with a spotlight on new-generation cryptosystems such as post-quantum, and presents a connection between formal analysis and cryptographic schemes. The text offers formal methods to show whether security assumptions are valid and compares the most prominent formalism and tools as they outline common challenges and future research directions. Graduate students,

researchers, and engineers worldwide will find this an exciting read.

Handbook of Formal Analysis and Verification in Cryptography CRC Press

Now including information about Acrobat version 7.0 as well as 6.0, this book takes lawyers through the processes of working with PDF documents, allowing them to communicate like never before. They'll learn how to create, control, and more securely deliver intelligent, content-rich documents that can be opened by anyone using Adobe Reader. More and more court systems require electronic filing, and this is the definitive guide to the standard for those filing systems

The Anatomy Coloring Book Harvard Business Press

The ubiquitous digital transformation also influences power system operation. Emerging real-time applications in information (IT) and operational technology (OT) provide new opportunities to address the increasingly demanding power system operation imposed by the progressing energy transition. This IT/OT

convergence is epitomised by the novel Digital Twin (DT) concept. By integrating sensor data into analytical models and aligning the model states with the observed system, a power system DT can be created. As a result, a validated high-fidelity model is derived, which can be applied within the next generation of energy management systems (EMS) to support power system operation. By providing a consistent and maintainable data model, the modular DT-centric EMS proposed in this work addresses several key requirements of modern EMS architectures. It increases the situation awareness in the control room, enables the implementation of model maintenance routines, and facilitates automation approaches, while raising the confidence into operational decisions deduced from the validated model. This gain in trust contributes to the digital transformation and enables a higher degree of power system automation. By considering operational planning and power system operation processes, a direct link to practice is ensured. The feasibility of the concept is examined by numerical case studies.