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KEY=AT100 - EDWARDS VALENCIA

A GUIDE TO THE PREVENTIVE CONSERVATION OF PHOTOGRAPH COLLECTIONS

Getty Publications A resource for the photographic conservator, conservation scientist, curator, as well as professional collector, this volume synthesizes both the masses of research that has been completed to date and the international standards that have been established on the subject.

INTRODUCTION TO EMBEDDED SYSTEMS

A CYBER-PHYSICAL SYSTEMS APPROACH

MIT Press An introduction to the engineering principles of embedded systems, with a focus on modeling, design, and analysis of cyber-physical systems. The most visible use of computers and software is processing information for human consumption. The vast majority of computers in use, however, are much less visible. They run the engine, brakes, seatbelts, airbag, and audio system in your car. They digitally encode your voice and construct a radio signal to send it from your cell phone to a base station. They command robots on a factory floor, power generation in a power plant, processes in a chemical plant, and traffic lights in a city. These less visible computers are called embedded systems, and the software they run is called embedded software. The principal challenges in designing and analyzing embedded systems stem from their interaction with physical processes. This book takes a cyber-physical approach to embedded systems, introducing the engineering concepts underlying embedded systems as a technology and as a subject of study. The focus is on modeling, design, and analysis of cyber-physical systems, which integrate computation, networking, and physical processes. The second edition offers two new chapters, several new exercises, and other improvements. The book can be used as a textbook at the advanced undergraduate or introductory graduate level and as a professional reference for practicing engineers and computer scientists. Readers should have some familiarity with machine structures, computer programming, basic discrete mathematics and algorithms, and signals and systems.

ULTIMATE GUIDE TO GOOGLE ADWORDS

HOW TO ACCESS 100 MILLION PEOPLE IN 10 MINUTES

Entrepreneur Press Google processes nearly 6 billion searches every day—making it a powerful advertising medium your business can't afford to ignore. Google AdWords experts Perry Marshall and Bryan Todd, joined by AdWords and analytics specialist Mike Rhodes, present the fundamentals, techniques, tools, and tricks that Google should teach you, but doesn't. This latest edition introduces revised, expanded, and new chapters covering Enhanced Campaigns, Google AdWords Express, and Google's Product Listing Ads, as well as an introduction to Google's Universal Analytics. You'll learn how to: Master Enhanced Campaigns, Google Shopping Campaigns, and Google Analytics Implement flexible bid strategies that keep you on budget Triple traffic with Google's Display Network Profit using local advertising Corner the second largest search engine with YouTube ads Avoid costly mistakes made by most Google advertisers Chisel your way into tough markets Write killer advertising and website copy that gets clicks Determine what is and isn't working with Google's AdWords

FINGERPRINT DEVELOPMENT TECHNIQUES

THEORY AND APPLICATION

John Wiley & Sons A comprehensive review of the latest fingerprint development and imaging techniques With contributions from leading experts in the field, *Fingerprint Development Techniques* offers a comprehensive review of the key techniques used in the development and imaging of fingerprints. It includes a review of the properties of fingerprints, the surfaces that fingerprints are deposited on, and the interactions that can occur between fingerprints, surfaces and environments. Comprehensive in scope, the text explores the history of each process, the theory behind the way fingerprints are either developed or imaged, and information about the role of each of the chemical constituents in recommended formulations. The authors explain the methodology employed for carrying out comparisons of effectiveness of various development techniques that clearly demonstrate how to select the most effective approaches. The text also explores how techniques can be used in sequence and with techniques for recovering other forms of forensic evidence. In addition, the book offers a guide for the selection of fingerprint development techniques and includes information on the influence of surface contamination and exposure conditions. This important resource: Provides clear methodologies for conducting comparisons of fingerprint development technique effectiveness Contains in-depth assessment of fingerprint constituents and how they are utilized by development and imaging processes Includes background information on fingerprint chemistry Offers a comprehensive history, the theory, and the applications for a broader range of processes, including the roles of each constituent in reagent formulations *Fingerprint Development Techniques* offers a comprehensive guide to fingerprint development and imaging, building on much of the previously unpublished research of the Home Office Centre for Applied Science and Technology.

CHIPS 2020

A GUIDE TO THE FUTURE OF NANOELECTRONICS

Springer Science & Business Media The chips in present-day cell phones already contain billions of sub-100-nanometer transistors. By 2020, however, we will see systems-on-chips with trillions of 10-nanometer transistors. But this will be the end of the miniaturization, because yet smaller transistors, containing just a few control atoms, are subject to statistical fluctuations and thus no longer useful. We also need to worry about a potential energy crisis, because in less than five years from now, with current chip technology, the internet alone would consume the total global electrical power! This book presents a new, sustainable roadmap towards ultra-low-energy (femto-joule), high-performance electronics. The focus is on the energy-efficiency of the various chip functions: sensing, processing, and communication, in a top-down spirit involving new architectures such as silicon brains, ultra-low-voltage circuits, energy harvesting, and 3D silicon technologies. Recognized world leaders from industry and from the research community share their views of this nanoelectronics future. They discuss, among other things, ubiquitous communication based on mobile companions, health and care supported by autonomous implants and by personal carebots, safe and efficient mobility assisted by co-pilots equipped with intelligent micro-electromechanical systems, and internet-based education for a billion people from kindergarden to retirement. This book should help and interest all those who will have to make decisions associated with future electronics: students, graduates, educators, and researchers, as well as managers, investors, and policy makers. Introduction: Towards Sustainable 2020 Nanoelectronics.- From Microelectronics to Nanoelectronics.- The Future of Eight Chip Technologies.- Analog-Digital Interfaces.- Interconnects and Transceivers.- Requirements and Markets for Nanoelectronics.- ITRS: The International Technology Roadmap for Semiconductors.- Nanolithography.- Power-Efficient Design Challenges.- Superprocessors and Supercomputers.- Towards Terabit Memories.- 3D Integration for Wireless Multimedia.- The Next-Generation Mobile User-Experience.- MEMS (Micro-Electro-Mechanical Systems) for Automotive and Consumer.- Vision Sensors and Cameras.- Digital Neural Networks for New Media.- Retinal Implants for Blind Patients.- Silicon Brains.- Energy Harvesting and Chip Autonomy.- The Energy Crisis.- The Extreme-Technology Industry.- Education and Research for the Age of Nanoelectronics.- 2020 World with Chips.

RADIATION ONCOLOGY PHYSICS

A HANDBOOK FOR TEACHERS AND STUDENTS

IAEA This publication is aimed at students and teachers involved in teaching programmes in field of medical radiation physics, and it covers the basic medical physics knowledge required in the form of a syllabus for modern radiation oncology. The information will be useful to those preparing for professional certification exams in radiation oncology, medical physics, dosimetry or radiotherapy technology.

JAVA WEB SERVICES: UP AND RUNNING

UP AND RUNNING

"O'Reilly Media, Inc." This example-driven book offers a thorough introduction to Java's APIs for XML Web Services (JAX-WS) and RESTful Web Services (JAX-RS). *Java Web Services: Up and Running* takes a clear, pragmatic approach to these technologies by providing a mix of architectural overview, complete working code examples, and short yet precise instructions for compiling, deploying, and executing an application. You'll learn how to write web services from scratch and integrate existing services into your Java applications. With *Java Web Services: Up and Running*, you will: Understand the distinction between SOAP-based and REST-style services Write, deploy, and consume SOAP-based services in core Java Understand the Web Service Definition Language (WSDL) service contract Recognize the structure of a SOAP message Learn how to deliver Java-based RESTful web services and consume commercial RESTful services Know security requirements for SOAP- and REST-based web services Learn how to implement JAX-WS in various application servers Ideal for students as well as experienced programmers, *Java Web Services: Up and Running* is the concise guide you need to start working with these technologies right away.

THE HANDBOOK OF LITHIUM-ION BATTERY PACK DESIGN

CHEMISTRY, COMPONENTS, TYPES AND TERMINOLOGY

Elsevier *The Handbook of Lithium-Ion Battery Pack Design: Chemistry, Components, Types and Terminology* offers to the reader a clear and concise explanation of how Li-ion batteries are designed from the perspective of a manager, sales person, product manager or entry level engineer who is not already an expert in Li-ion battery design. It will offer a layman's explanation of the history of vehicle electrification, what the various terminology means, and how to do some simple calculations that can be used in determining basic battery sizing, capacity, voltage and energy. By the end of this book the

reader has a solid understanding of all of the terminology around Li-ion batteries and is able to do some simple battery calculations. The book is immensely useful to beginning and experienced engineer alike who are moving into the battery field. Li-ion batteries are one of the most unique systems in automobiles today in that they combine multiple engineering disciplines, yet most engineering programs focus on only a single engineering field. This book provides you with a reference to the history, terminology and design criteria needed to understand the Li-ion battery and to successfully lay out a new battery concept. Whether you are an electrical engineer, a mechanical engineer or a chemist this book helps you better appreciate the inter-relationships between the various battery engineering fields that are required to understand the battery as an Energy Storage System. Offers an easy explanation of battery terminology and enables better understanding of batteries, their components and the market place. Demonstrates simple battery scaling calculations in an easy to understand description of the formulas Describes clearly the various components of a Li-ion battery and their importance Explains the differences between various Li-ion cell types and chemistries and enables the determination which chemistry and cell type is appropriate for which application Outlines the differences between battery types, e.g., power vs energy battery Presents graphically different vehicle configurations: BEV, PHEV, HEV Includes brief history of vehicle electrification and its future

SAP APPLICATIONS ON IBM POWERVM

IBM Redbooks IBM® invented the virtualization technology starting in the 1960s on the mainframe, and the functionalities evolved and were ported to other platforms and improved the reliability, availability, and serviceability (RAS) features. With virtualization, you achieve better asset utilization, reduced operating costs, and faster responsiveness to changing business demands. Every technology vendor in the SAP ecosystem understands virtualization as slightly different capabilities on different levels (storage and server hardware, processor, memory, I/O resources or the application, and so on). It is important to understand exactly what functionality is offered and how it supports the client's business requirements. In this IBM Redbooks® publication we focus on server virtualization technologies in the IBM Power Systems™ hardware, AIX®, IBM i, and Linux space and what they mean specifically for SAP applications running on this platform. SAP clients can leverage the technology that the IBM Power Systems platform offers. In this book, we describe the technologies and functions, what they mean, and how they apply to the SAP system landscape.

FUJI X SECRETS

120 TIPS TO GET THE MOST OUT OF YOUR X SERIES CAMERA

In this book, popular Fuji Rumors "X-Pert Corner" columnist Rico Pfistering teaches you all about the capabilities of the Fujifilm X Series lineup of cameras, which he's discovered through years of in-depth research and experimentation. No matter which X Series camera you own--whether it be the X-T2, X-Pro2, X-H1, X100F, or any other Fuji X Series camera--Rico cuts to the chase and provides a plethora of tips and practical instructions not found in any of the cameras' user manuals. With this knowledge, you will be able to take full advantage of your Fujifilm X Series camera. The Fujifilm X Series cameras have amazing features, but some users may require an adjustment period if they are new to these cameras--even photographers who have been lifetime DSLR shooters. This guide will help you to quickly feel comfortable using your camera so that you can achieve excellent results. Topics covered include: -Menu shortcuts -Long exposures -Firmware upgrades -Hybrid autofocus system -Auto and manual focusing -Face detection -Dynamic Range expansion -Film simulations -Custom settings -RAW conversion -Panoramas -Movies -Self-timer -Flash -Conversion lenses -And much more...

THE INNOVATOR'S METHOD

BRINGING THE LEAN STARTUP INTO YOUR ORGANIZATION

Harvard Business Press "Whether you call it "lean start-up," "design thinking," or "agile," a new method is revolutionizing how to successfully create, refine, and bring ideas to market--without traditional business planning. But because these ideas and techniques run counter to conventional managerial thinking and practice, managers in established organizations have difficulty implementing them. Innovation experts Nathan Furr and Jeff Dyer aim to change that. Based on field work with thousands of managers and validated insidedozens of companies, THE INNOVATOR'S METHOD shows when and how to apply a "lean start-up" approach to innovation in established businesses. THE INNOVATOR'S METHOD takes managers through these new practices for managing innovation, showing how to adapt them to their businesses and answering such questions as: How do we know this idea is worth pursuing? Does it solve the right problem for customers? Have we found the right solution? Do we have the right business model for our new offering? With detailed cases from the authors' work implementing these ideas with companies such as Intuit, NEC, P&G, Virgin Airlines, Kia, Folio, Citi, Hallmark, and Verizon, THE INNOVATOR'S METHOD picks up where Jeff Dyer's THE INNOVATOR'S DNA leaves off, showing how to test, validate and commercialize ideas with the lean and agile techniques that successful entrepreneurs use"--

HPE ATP - HYBRID IT SOLUTIONS V2

OFFICIAL CERTIFICATION STUDY GUIDE (EXAM HPE0-V14)

WHAT YOU CAN DO WITH YOUR COMPUTER

Books By Alan Hartley

THE FUJIFILM X-PRO2

115 X-PERT TIPS TO GET THE MOST OUT OF YOUR CAMERA

Rocky Nook, Inc.

QUICKTIME FOR JAVA

A DEVELOPER'S NOTEBOOK

"O'Reilly Media, Inc." Java developers who need to add audio, video, or interactive media creation and playback to their applications find that QuickTime Java is a powerful toolkit, but one that's not easy to get into. This book offers the first real look at this important software and lets impatient early adopters focus on learning by doing.

PHOTOSHOP FOR LIGHTROOM USERS

Pearson Education Offers information on a variety of Adobe Photoshop tools, filters, and techniques for Adobe Photoshop Lightroom users.

VIRTUAL REALITIES

DAGSTUHL SEMINAR 2008

Springer Science & Business Media The articles by well-known international experts intend to facilitate more elaborate expositions of the research presented at the seminar, and to collect and document the results of the various discussions, including ideas and open problems that were identified. Correspondingly the book will consist of two parts. Part I will consist of extended articles describing research presented at the seminar. This will include papers on tracking, motion capture, displays, cloth simulation, and applications. Part II will consist of articles that capture the results of breakout discussions, describe visions, or advocate particular positions. This will include discussions about system latency, 3D interaction, haptic interfaces, social gaming, perceptual issues, and the fictional "Holodeck".

MARINE BIOTOXINS

Food & Agriculture Org. This paper provides an extensive review of different aspects of five shellfish-poisoning syndromes (paralytic, diarrhoeic, amnesic, neurologic and azapiracid), as well as one fish-poisoning syndrome (ciguatera fish poisoning), and discusses in detail the causative toxins produced by marine organisms, chemical structures and analytical methods of the toxins, habitat and occurrence of the toxin-producing organisms, case studies and existing regulations. Based on this analysis, risk assessments are carried out for each of the toxins, and recommendations are elaborated to improve the management of these risks in order to reduce the harmful effect of these toxins on public health.

INTRODUCTION TO BUSINESS

Introduction to Business covers the scope and sequence of most introductory business courses. The book provides detailed explanations in the context of core themes such as customer satisfaction, ethics, entrepreneurship, global business, and managing change. *Introduction to Business* includes hundreds of current business examples from a range of industries and geographic locations, which feature a variety of individuals. The outcome is a balanced approach to the theory and application of business concepts, with attention to the knowledge and skills necessary for student success in this course and beyond.

A TEXTBOOK OF MEDICAL INSTRUMENTS

MUSICAL SOUND EFFECTS

ANALOG AND DIGITAL SOUND PROCESSING

John Wiley & Sons For decades performers, instrumentalists, composers, technicians and sound engineers continue to manipulate sound material. They are trying with more or less success to create, to innovate, improve, enhance, restore or modify the musical message. The sound of distorted guitar of Jimi Hendrix, Pierre Henry's concrete music, Pink Floyd's rock psychedelic, Kraftwerk 's electronic music, Daft Punk and rap T-Pain, have let emerge many effects: reverb, compression, distortion, auto-tune, filter, chorus, phasing, etc. The aim of this book is to introduce and explain these effects and sound treatments by addressing their theoretical and practical aspects.

WORLD DRUG REPORT 2008

United Nations The Report continues to provide in depth trend analysis of the four main drug markets in its first section. In addition, to mark the one hundred year anniversary of the Shanghai Opium Commission, and one hundred years of international drug control, the Report contains an in-depth look at the development of the international drug control system. The Report also contains a small statistical annex which provides a detailed look at production, prices and consumption. As in previous years, the present Report is based on data obtained primarily from the annual reports questionnaire (ARQ) sent by Governments to UNODC in 2007, supplemented by other sources when necessary and where available. Two of the main limitations herein are: (i) that ARQ reporting is not systematic enough, both in terms of number of countries responding and of content, and (ii) that most countries lack the adequate monitoring systems required to produce reliable, comprehensive and internationally comparable data. National monitoring systems are, however, improving and UNODC has contributed to this process.

HANDBOOK OF CEREBROVASCULAR DISEASE AND NEUROINTERVENTIONAL TECHNIQUE

Springer Science & Business Media Fully revised and updated, the Handbook serves as a practical guide to endovascular methods and as a concise reference for neurovascular anatomy and published data about cerebrovascular disease from a neurointerventionalist's perspective. Divided into three parts, the book covers: Fundamentals of neurovascular anatomy and basic angiographic techniques; Interventional Techniques and endovascular methods, along with useful device information and tips and tricks for daily practice; Specific Disease States, with essential clinical information about commonly encountered conditions. New features in the 2nd Edition include: Global Gems that illuminate aspects of the field outside the United States; Angio-anatomic and angio-pathologic image correlates; Newly released clinical study results influencing neurointerventional practice; Information on emerging technologies in this rapidly advancing field. The Handbook is a vital resource for all clinicians involved in neurointerventional practice, including radiologists, neurosurgeons, neurologists, cardiologists, and vascular surgeons.

THE BUSINESS OF MEDIA DISTRIBUTION

MONETIZING FILM, TV, AND VIDEO CONTENT IN AN ONLINE WORLD

Routledge In this updated edition of the industry staple, veteran media executive Jeff Ulin relates business theory and practice across key global market segments—film, television, and online/digital—providing you with an insider's perspective that can't be found anywhere else. Learn how an idea moves from concept to profit and how distribution dominates the bottom line: Hollywood stars may make the headlines, but marketing and distribution are the behind-the-scenes drivers converting content into cash. The third edition: Includes perspectives from key industry executives at studios, networks, agencies and online leaders, including Fox, Paramount, Lucasfilm, Endeavor, Tencent, MPA, YouTube, Amazon, and many more; Explores the explosive growth of the Chinese market, including box office trends, participation in financing Hollywood feature films, and the surge in online usage; Illustrates how online streaming leaders like Netflix, Amazon, Apple, YouTube, Hulu and Facebook are changing the way TV content is distributed and consumed, and in cases how these services are moving into theatrical markets; Analyzes online influences and disruption throughout the distribution chain, and explains the risks and impact stemming from changing access points (e.g., stand-alone apps), delivery methods (over-the-top) and consumption patterns (e.g., binge watching); Breaks down historical film windows, the economic drivers behind them, and how online and digital delivery applications are changing the landscape. Ulin provides the virtual apprenticeship you need to demystify and manage the complicated media markets, understand how digital distribution has impacted the ecosystem, and glimpse into the future of how film and television content will be financed, distributed and watched. An online eResource contains further discussion on topics presented in the book.

SOCIAL MOVEMENTS IN CHINA AND HONG KONG

THE EXPANSION OF PROTEST SPACE

Amsterdam University Press Het uitgangspunt van dit boek is dat Chinese individuen van hun eigen inzet uit moeten kunnen gaan, ongeacht de beperkingen die hen door de staat worden opgelegd. Om hun belangen beter te kunnen verdedigen sluiten sommige individuen zich aan bij sociale bewegingen, die tot sociale protesten kunnen leiden.

RANGER HANDBOOK (LARGE FORMAT EDITION)

Allegro Editions The history of the American Ranger is a long and colorful saga of courage, daring, and outstanding leadership. It is a story of men whose skills in the art of fighting have seldom been surpassed. The United States Army Rangers are an elite military formation that has existed, in some form or another, since the American Revolution. A group of highly-trained and well-organized soldiers, US Army Rangers must be prepared to handle any number of dangerous, life-threatening situations at a moment's notice-and they must do so calmly and decisively. This is their handbook. Packed with down-to-earth, practical information, The Ranger Handbook contains chapters on Ranger leadership, battle drills, survival, and first aid, as well as sections on military mountaineering, aviation, waterborne missions, demolition, reconnaissance and communications. If you want to be prepared for anything, this is the book for you. Readers interested in related titles from The U.S. Army will also want to see: Army Guerrilla Warfare Handbook (ISBN: 9781626542730) Army Guide to Boobytraps (ISBN: 9781626544703) Army Improvised Munitions Handbook (ISBN: 9781626542679) Army Leadership Field Manual FM 22-100 (ISBN: 9781626544291) Army M-1 Garand Technical Manual (ISBN: 9781626543300) Army Physical Readiness Training with Change FM 7-22 (ISBN: 9781626544017) Army Special Forces Guide to Unconventional Warfare (ISBN: 9781626542709) Army Survival Manual FM 21-76 (ISBN: 9781626544413) Army/Marine Corps Counterinsurgency Field Manual (ISBN: 9781626544246) Map Reading and Land Navigation FM 3-25.26 (ISBN: 9781626542983) Rigging Techniques, Procedures, and Applications FM 5-125 (ISBN: 9781626544338) Special Forces Sniper Training and Employment FM 3-05.222 (ISBN: 9781626544482) The Infantry Rifle Platoon and Squad FM 3-21.8 / 7-8 (ISBN: 9781626544277) Understanding Rigging (ISBN: 9781626544673)

STRUCTURED COMPUTER ORGANIZATION

EVOLUTION OF SUPPLY CHAIN MANAGEMENT

SYMBIOSIS OF ADAPTIVE VALUE NETWORKS AND ICT

Springer Science & Business Media In the last half of the twentieth century industry encountered a revolutionary change brought about by the harnessed power of seemingly ever-increasing capacity, speed and functionality of computers and microprocessors. This strength provided management and workers within industries with new capabilities for management, planning and control, design, quality assurance and customer support. Organized information flow became the mainstay of industrial companies. New tools and information technology systems emerged and evolved to enable companies to integrate the various departments (Design, Procurement, Manufacturing, Sales and Finance) within companies, particularly the larger ones, including international corporations. This was to give them a chance to meet new demands for product time to market, just in time supply of orders, and customer support. To the smaller company these changes were not so apparent. Neither the tools nor systems nor indeed their economic value seemed appropriate to them except for special cases. While all this was happening the structure of the larger companies began to disintegrate. Strong competitive pressures and globalization of the market place brought this about. Shedding unwanted competence and subcontracting it to others became common practice. Regional market pressures triggered companies to reorganize to create, produce, and distribute goods and services. Greater dependency on chains of supply from external companies became the norm. Medium and smaller sized companies began to gain some advantage and at the same time some were sucked into management and control systems governed by the larger companies.

MULTIMEDIA

MAKING IT WORK

Osborne Publishing Thoroughly updated for new breakthroughs in multimedia; The internationally bestselling Multimedia: Making it Work has been fully revised and expanded to cover the latest technological advances in multimedia. You will learn to plan and manage multimedia projects, from dynamic CD-ROMs and DVDs to professional websites. Each chapter includes step-by-step instructions, full-color illustrations and screenshots, self-quizzes, and hands-on projects.

GUIDE TO SECURING LEGACY IEEE 802.11 WIRELESS NETWORKS

CreateSpace The purpose of this document is to provide guidance to organizations in securing their legacy IEEE 802.11 wireless local area networks (WLAN) that cannot use IEEE 802.11i. Details on securing WLANs capable of IEEE 802.11i can be found in NIST Special Publication (SP) 800-97. Recommendations for securely using external WLANs, such as public wireless access points, are outside the scope of this document.

THE ELECTRONIC COMMUNICATIONS CODE

The Stationery Office In this report The Electronic Communications Code the Law Commission makes recommendations to form the basis of a revised Electronic Communications Code, which was originally enacted in 1984 to regulate landline telephone provision. It sets out the regime that governs the rights of designated electronic communications operators to maintain infrastructure on public and private land. In modern times, it applies to the infrastructure forming networks which support broadband, mobile internet and telephone, cable television and landlines. The current Code has been criticized by courts and the people who work with it as out of date, unclear and inconsistent with other legislation. This project focuses on private property rights between landowners and electronic communications providers, it does not consider planning. The aims of the reforms are: to provide a clearer definition of the market value that landowners can charge for the use

OPTICAL ARCHITECTURES FOR AUGMENTED-, VIRTUAL-, AND MIXED-REALITY HEADSETS

"This book is a timely review of the various optical architectures, display technologies, and building blocks for modern consumer, enterprise, and defense head-mounted displays for various applications, including smart glasses, smart eyewear, and virtual-reality, augmented-reality, and mixed-reality headsets. Special attention is paid to the facets of the human perception system and the need for a human-centric optical design process that allows for the most comfortable headset that does not compromise the user's experience. Major challenges--from wearability and visual comfort to sensory and display immersion--must be overcome to meet market analyst expectations, and the book reviews the most appropriate optical technologies to address such challenges, as well as the latest product implementations"--

FREESD HANDBOOK

Walnut Creek CDROM *The FreeBSD Handbook is a comprehensive FreeBSD tutorial and reference. It covers installation, day-to-day use of FreeBSD, and much more, such as the Ports collection, creating a custom kernel, security topics, the X Window System, how to use FreeBSD's Linux binary compatibility, and how to upgrade your system from source using the 'make world' command, to name a few.*

MOBILE UNLEASHED

THE ORIGIN AND EVOLUTION OF ARM PROCESSORS IN OUR DEVICES

Createspace Independent Publishing Platform *This is the origin story of technology super heroes: the creators and founders of ARM, the company that is responsible for the processors found inside 95% of the world's mobile devices today. This is also the evolution story of how three companies - Apple, Samsung, and Qualcomm - put ARM technology in the hands of billions of people through smartphones, tablets, music players, and more. It was anything but a straight line from idea to success for ARM. The story starts with the triumph of BBC Micro engineers Steve Furber and Sophie Wilson, who make the audacious decision to design their own microprocessor - and it works the first time. The question becomes, how to sell it? Part I follows ARM as its founders launch their own company, select a new leader, a new strategy, and find themselves partnered with Apple, TI, Nokia, and other companies just as digital technology starts to unleash mobile devices. ARM grows rapidly, even as other semiconductor firms struggle in the dot com meltdown, and establishes itself as a standard for embedded RISC processors. Apple aficionados will find the opening of Part II of interest the moment Steve Jobs returns and changes the direction toward fulfilling consumer dreams. Samsung devotees will see how that firm evolved from its earliest days in consumer electronics and semiconductors through a philosophical shift to innovation. Qualcomm followers will learn much of their history as it plays out from satellite communications to development of a mobile phone standard and emergence as a leading fabless semiconductor company. If ARM could be summarized in one word, it would be "collaboration." Throughout this story, from Foreword to Epilogue, efforts to develop an ecosystem are highlighted. Familiar names such as Google, Intel, Mediatek, Microsoft, Motorola, TSMC, and others are interwoven throughout. The evolution of ARM's first 25 years as a company wraps up with a shift to its next strategy: the Internet of Things, the ultimate connector for people and devices. Research for this story is extensive, simplifying a complex mobile industry timeline and uncovering critical points where ARM and other companies made fateful and sometimes surprising decisions. Rare photos, summary diagrams and tables, and unique perspectives from insiders add insight to this important telling of technology history.*

USING INFORMATION TECHNOLOGY

ARM SYSTEM-ON-CHIP ARCHITECTURE

Pearson Education *A reference for system-on-chip designers and professional engineers covers design, memory management, on-chip buses, debug and production tests, application development, and ARM and Thumb programming models.*

THE PAST WEB

EXPLORING WEB ARCHIVES

Springer Nature *This book provides practical information about web archives, offers inspiring examples for web archivists, raises new challenges, and shares recent research results about access methods to explore information from the past preserved by web archives. The book is structured in six parts. Part 1 advocates for the importance of web archives to preserve our collective memory in the digital era, demonstrates the problem of web ephemera and shows how web archiving activities have been trying to address this challenge. Part 2 then focuses on different strategies for selecting web content to be preserved and on the media types that different web archives host. It provides an overview of efforts to address the preservation of web content as well as smaller-scale but high-quality collections of social media or audiovisual content. Next, Part 3 presents examples of initiatives to improve access to archived web information and provides an overview of access mechanisms for web archives designed to be used by humans or automatically accessed by machines. Part 4 presents research use cases for web archives. It also discusses how to engage more researchers in exploiting web archives and provides inspiring research studies performed using the exploration of web archives. Subsequently, Part 5 demonstrates that web archives should become crucial infrastructures for modern connected societies. It makes the case for developing web archives as research infrastructures and presents several inspiring examples of added-value services built on web archives. Lastly, Part 6 reflects on the evolution of the web and the sustainability of web archiving activities. It debates the requirements and challenges for web archives if they are to assume the responsibility of being societal infrastructures that enable the preservation of memory. This book targets academics and advanced professionals in a broad range of research areas such as digital humanities, social sciences, history, media studies and information or computer science. It also aims to fill the need for a scholarly overview to support lecturers who would like to introduce web archiving into their courses by offering an initial reference for students.*

BATTERIES IN A PORTABLE WORLD

A HANDBOOK ON RECHARGEABLE BATTERIES FOR NON-ENGINEERS

Ec & M Books

BRAND INNOVATION MANIFESTO

Wiley *The days of the image brands are over, and 'new marketing' has gone mainstream. The world's biggest companies are pursuing a post-advertising strategy, moving away from advertising and investing in leading edge alternatives. In the vanguard of the revolution has been John Grant, co-founder of the legendary agency St. Luke's and author of "The New Marketing Manifesto," whose radical thinking has informed a generation. Now Grant is set to stun the industry again. In "The Brand Innovation Manifesto," he redefines the nature of brands, showing why old models and scales no longer work and revealing that the key to success today is impacting people's lifestyles (think Starbucks, iPod and eBay). At the heart of the book is the concept of the 'brand molecule' to which new cultural ideas can be constantly added to keep pace with change. Cataloguing 32 classes of idea, Grant presents a practical approach to mixing and matching them within your own market to develop new brand ideas - and new ideas for existing brands.*

PROCESS MONITORING IN BIOGAS PLANTS
