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BIM Handbook - Rafael Sacks 2018-07-03

Discover BIM: A better way to build better buildings Building Information Modeling (BIM) offers a novel approach to design, construction, and facility management in which a digital representation of the building product and process is used to facilitate the exchange and interoperability of information in digital format. BIM is beginning to change the way buildings look, the way they function, and the ways in which they are designed and built. The BIM Handbook, Third Edition provides an in-depth understanding of BIM technologies, the business and organizational issues associated with its implementation, and the profound advantages that effective use of BIM can provide to all members of a project team. Updates to this edition include: Information on the ways in which professionals should use BIM to gain maximum value New topics such as collaborative working, national and major construction clients, BIM standards and guides A discussion on how various professional roles have expanded through the widespread use and the new avenues of BIM practices and services A wealth of new case studies that clearly illustrate exactly how BIM is applied in a wide variety of conditions Painting a colorful and thorough picture of the state of the art in building information modeling, the BIM Handbook, Third Edition guides readers to successful implementations, helping them to avoid needless frustration and costs and take full advantage of this paradigm-shifting approach to construct better buildings that consume fewer materials and require less time, labor, and capital resources.

Building a Second Brain - Tiago Forte 2022-06-14

A revolutionary approach to enhancing productivity, creating flow, and vastly increasing your ability to capture, remember, and benefit from the unprecedented amount of information all around us. For the first time in history, we have instantaneous access to the world's knowledge. There has never been a better time to learn, to contribute, and to improve ourselves. Yet, rather than feeling empowered, we are often left feeling overwhelmed by this constant influx of information. The very knowledge that was supposed to set us free has instead led to the paralyzing stress of believing we'll never know or remember enough. Now, this eye-opening and accessible guide shows how you can easily create your own personal system for knowledge management, otherwise known as a Second Brain. As a trusted and organized digital repository of your most valued ideas, notes, and creative work synced across all your devices and platforms, a Second Brain gives you the confidence to tackle your most important projects and ambitious goals. Discover the full potential of your ideas and translate what you know into more powerful, more meaningful improvements in your work and life by Building a Second Brain.

Learning RSLogix 5000 Programming - Austin Scott 2015-08-31

Become proficient in building PLC solutions in Integrated Architecture from the ground up using RSLogix 5000 About This Book Introduction to the Logix platform and Rockwell Automation terminology, with resources available online in the literature library Build real-world Rockwell Automation solutions using ControlLogix, CompactLogix, SoftLogix, RSLogix 5000, and Studio 5000 Understand the various controllers and form factors available in the ControlLogix and CompactLogix platforms, and the recent changes under the new Studio 5000 Automation Engineering and Design software suite Who This Book Is For This book is for PLC programmers, electricians, instrumentation techs, automation professionals with basic PLC programming knowledge, but no knowledge of RSLogix 5000. If you are a student who is familiar with automation and would like to learn about RSLogix 5000 with minimal investment of time, this is the book for you. What You Will Learn Briefly explore the history of Rockwell Automation and the evolution of the Logix platform Discover the complete range of ControlLogix and CompactLogix controllers and form factors available today, and the key things you should consider when you are engineering a Rockwell Automation

solution Explore the key platform changes introduced with Studio 5000 and Logix Designer version 24 and the latest firmware versions Get to grips with the modules available in the ControlLogix, SoftLogix, and CompactLogix platforms Understand writing Ladder Logic (LL) routines, Sequential Function Chart (SFC) routines, and Structured Text routines (ST) Design Function Block Diagrams (FBD) and their easy integration with HMIs In Detail RSLogix 5000 and Studio 5000's Logix Designer are user-friendly interfaces used for programming the current generation of Rockwell Automation Controllers including ControlLogix, CompactLogix, and SoftLogix. When engineering automation solutions using Logix, it is important to study the changes to the platform introduced with Studio 5000 and the various controllers, modules, and form factors available today. RSLogix 5000 programming packages help you maximize performance, save project development time, and improve productivity. This book provides a detailed overview of the Logix platform including ControlLogix, CompactLogix, and SoftLogix and explains the significant changes introduced in Studio 5000. A clear understanding of the recent Logix platform changes is critical for anyone developing a Rockwell Automation solution. It provides an easy-to-follow, step-by-step approach to learning the essential Logix hardware and software components and provides beginners with a solid foundation in the Logix platform features and terminology. By the end of this book, you will have a clear understanding of the capabilities of the Logix platform and the ability to navigate the Rockwell Automation Literature Library Resources. Style and approach A step-by-step approach to RSLogix 5000, which is explained in an easy-to-follow style. Each topic is explained sequentially with detailed explanations of the basic and advanced features of Rockwell Automation that appeal to the needs of readers with a wide range of experience.

Molecular Biology of the Cell - Bruce Alberts 2004

The DAM Book - Peter Krogh 2009-04-27

One of the main concerns for digital photographers today is asset management: how to file, find, protect, and re-use their photos. The best solutions can be found in The DAM Book, our bestselling guide to managing digital images efficiently and effectively. Anyone who shoots, scans, or stores digital photographs is practicing digital asset management (DAM), but few people do it in a way that makes sense. In this second edition, photographer Peter Krogh -- the leading expert on DAM -- provides new tools and techniques to help professionals, amateurs, and students: Understand the image file lifecycle: from shooting to editing, output, and permanent storage Learn new ways to use metadata and key words to track photo files Create a digital archive and name files clearly Determine a strategy for backing up and validating image data Learn a catalog workflow strategy, using Adobe Bridge, Camera Raw, Adobe Lightroom, Microsoft Expression Media, and Photoshop CS4 together Migrate images from one file format to another, from one storage medium to another, and from film to digital Learn how to copyright images To identify and protect your images in the marketplace, having a solid asset management system is essential. The DAM Book offers the best approach.

Enter the Animal - Teya Brooks Pribac 2021-02-01

Historically, grief and spirituality have been jealously guarded as uniquely human experiences. Although non-human animal grief has been acknowledged in recent times, its potency has not been recognised as equal to human grief. Anthropocentric philosophical questions still underpin both academic and popular discussions. In Enter the Animal, Teya Brooks Pribac examines what we do and don't know about grief and spirituality. She explores the growing body of knowledge about attachment and loss and how they shape the lives of both human and non-human animals. A valuable addition to the vibrant interdisciplinary conversation about animal subjectivity, Enter the Animal identifies

conceptual and methodological approaches that have contributed to the prejudice against nonhuman animals. It offers a compelling theoretical base for the consideration of grief and spirituality across species and highlights important ethical implications for how humans treat other animals.

PLC Programming Using RSLogix 5000 - Nathan Clark 2020-02-16
□ Learn How to Design and Build a Program in RSLogix 5000 from Scratch! □ This book will guide you through your very first steps in the RSLogix 5000 / Studio 5000 environment as well as familiarize you with ladder logic programming. We help you gain a deeper understanding of the RSLogix 5000 interface, the practical methods used to build a PLC program, and how to download your program onto a CompactLogix or ControlLogix PLC. We also cover the basics of ladder logic programming that every beginner should know, and provide ample practical examples to help you gain a better understanding of each topic. By the end of this book you will be able to create a PLC program from start to finish, that can take on any real-world task. What This Book Offers Introduction to Ladder Logic Programming We cover the essentials of what every beginner should know when starting to write their very first program. We also cover the basics of programming with ladder logic, and how ladder logic correlates to the PLC inputs and outputs. These principles are then put to work inside RSLogix 5000, by explaining the basic commands that are required to control a machine. Introduction to RSLogix 5000 / Studio 5000 We go into meticulous detail on the workings of the Rockwell software, what each window looks like, the elements of each drop-down menu, and how to navigate through the program. Working with Instructions We cover every available instruction necessary for beginners, what each instruction does along with a short example for each. You will also learn about communication settings and how to add additional devices to your control system. Working with Tags, Routines and Faults We show you how to create and use the various types of tags available, along with all of the different data types that are associated with tags. This guide also covers the finer details of routines, UDTs and AOIs. As well as providing guidance on how to account for typical problems and recover from faults. All of which are essential to most programs. A Real-World Practical Approach Throughout the entire guide, we reference practical scenarios where the various aspects we discuss are applied in the real world. We made sure to include numerous examples, as well as two full practical examples, which brings together everything you will have learned in the preceding chapters. Key Topics Introduction to RSLogix 5000 and PLCs Intended Audience Important Vocabulary What is RSLogix 5000 What is a PLC Basic Requirements Simple Programming Principles Determine Your Goal Break Down the Process Putting It All Together Basics of Ladder Logic Programming What is Ladder Logic XIC and XIO Instructions OTE, OTL and OTU Instructions Basic Tools and Setup Interfacing with RSLogix 5000 Navigation Menus Quick Access Toolbars Tagging Creating New Tags Default Data Types Aliasing, Produced and Consumed Tags Routines, UDTs and AOIs Creating Routines User-Defined Data Types Add-On Instructions RSLogix Program Instructions ASCII String Instructions Bit Instructions Compare Instructions Math Instructions Move Instructions Program Control Instructions Communication Matching IP Addresses RSLinx Classic FactoryTalk View Studio Peripheral Devices Adding New Modules Communicating Using Tags Alarming and Fault Events Typical Faults Managing Faults Detailed In-depth Practical Examples Get Your Copy Today!

Gatekeepers - William Marling 2016-03-15

The romantic idea of the writer as an isolated genius has been discredited, but there are few empirical studies documenting the role of "gatekeeping" in the literary process. How do friends, agents, editors, translators, small publishers, and reviewers-not to mention the changes in technology and the publishing industry-shape the literary process? This matrix is further complicated when books cross cultural and language barriers, that is, when they become part of world literature. Gatekeepers builds on the work of Pierre Bourdieu, Randall Collins, James English, and Mark McGurl, describing the multi-layered gatekeeping process in the context of World Literature after the 1960s. It focuses on four case studies: Gabriel García Márquez, Charles Bukowski, Paul Auster and Haruki Murakami. The two American authors achieved remarkable success overseas owing to canny gatekeepers; the two international authors benefited tremendously from well-curated translation into English. Rich in archival materials (correspondence between authors, editors, and translators, and publishing industry analyses), interviews with publishers and translators, and close readings of translations, this study shows how the process and production of

literature depends on the larger social forces of a given historical moment. William Marling also documents the ever-increasing Anglo-centric dictate on the gatekeeping process. World literature, the book argues, is not so much a "republic of letters" as a field of chance on which the conversation is partly bracketed by historic events and technological opportunities.

Diet and Health - National Research Council 1989-01-01

Diet and Health examines the many complex issues concerning diet and its role in increasing or decreasing the risk of chronic disease. It proposes dietary recommendations for reducing the risk of the major diseases and causes of death today: atherosclerotic cardiovascular diseases (including heart attack and stroke), cancer, high blood pressure, obesity, osteoporosis, diabetes mellitus, liver disease, and dental caries.

SQL Cookbook - Anthony Molinaro 2006

A guide to SQL covers such topics as retrieving records, metadata queries, working with strings, data arithmetic, date manipulation, reporting and warehousing, and hierarchical queries.

Fast Food Nation - Eric Schlosser 2012

Explores the homogenization of American culture and the impact of the fast food industry on modern-day health, economy, politics, popular culture, entertainment, and food production.

The UNIX-haters Handbook - Simson Garfinkel 1994

This book is for all people who are forced to use UNIX. It is a humorous book--pure entertainment--that maintains that UNIX is a computer virus with a user interface. It features letters from the thousands posted on the Internet's "UNIX-Haters" mailing list. It is not a computer handbook, tutorial, or reference. It is a self-help book that will let readers know they are not alone.

Programmable Logic Controllers with ControlLogix - Jon Stenerson 2009-06-25

PROGRAMMING CONTROLLOGIX PROGRAMMABLE AUTOMATION CONTROLLERS covers ControlLogix Programmable Logic Controllers (PLCs) and their programming and integration. The book's strength is its breadth and depth of coverage, taking the reader from an overview of the PLC through ladder logic, structured text, sequential function chart, and function block programming. PROGRAMMABLE LOGIC CONTROLLERS WITH CONTROLLOGIX also covers industrial sensors, PLC modules and wiring, as well as motion control using ControlLogix through two-axis coordinated motion (linear and circular) is also covered. To aid in learning, the book features a DVD with Camtasia learning videos and explanations of setup of RSLinx, project development, tag creation, configuration, instructions and much more. Appendixes cover configuring remote I/O, producer/consumer communication, messaging, and motion configuration and programming. Students learn more and more easily because of the breadth of practical coverage, numerous examples and extensive exercises. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

No Logo - Naomi Klein 2000-01-15

An analysis of the invasion of our personal lives by logo-promoting, powerful corporations combines muckraking journalism with contemporary memoir to discuss current consumer culture

System Engineering Analysis, Design, and Development - Charles S. Wasson 2015-11-16

Praise for the first edition: "This excellent text will be useful to every system engineer (SE) regardless of the domain. It covers ALL relevant SE material and does so in a very clear, methodical fashion. The breadth and depth of the author's presentation of SE principles and practices is outstanding." -Philip Allen This textbook presents a comprehensive, step-by-step guide to System Engineering analysis, design, and development via an integrated set of concepts, principles, practices, and methodologies. The methods presented in this text apply to any type of human system -- small, medium, and large organizational systems and system development projects delivering engineered systems or services across multiple business sectors such as medical, transportation, financial, educational, governmental, aerospace and defense, utilities, political, and charity, among others. Provides a common focal point for "bridging the gap" between and unifying System Users, System Acquirers, multi-discipline System Engineering, and Project, Functional, and Executive Management education, knowledge, and decision-making for developing systems, products, or services Each chapter provides definitions of key terms, guiding principles, examples, author's notes, real-world examples, and exercises, which highlight and reinforce key SE & D concepts and practices Addresses concepts employed in Model-Based Systems Engineering (MBSE), Model-Driven Design

(MDD), Unified Modeling Language (UMLTM) / Systems Modeling Language(SysMLTM), and Agile/Spiral/V-Model Development such as user needs, stories, and use cases analysis; specification development; system architecture development; User-Centric System Design (UCSD); interface definition & control; system integration & test; and Verification & Validation(V&V) Highlights/introduces a new 21st Century Systems Engineering & Development (SE&D) paradigm that is easy to understand and implement. Provides practices that are critical staging points for technical decision making such as Technical Strategy Development; Life Cycle requirements; Phases, Modes, & States; SE Process; Requirements Derivation; System Architecture Development, User-Centric System Design (UCSD); Engineering Standards, Coordinate Systems, and Conventions; et al. Thoroughly illustrated, with end-of-chapter exercises and numerous case studies and examples, Systems Engineering Analysis, Design, and Development, Second Edition is a primary textbook for multi-discipline, engineering, system analysis, and project management undergraduate/graduate level students and a valuable reference for professionals.

Fundamentals of Programmable Logic Controllers and Ladder Logic - Orlando Charria 2012-11-26

This is the best way to learn ladder logic programming because it's like you were buying three different books: One for Theory, one for Lessons and a third one for Real applications. Learning about Programmable Logic Controllers is a real need for any technician/engineer who wants to work or applying for a job in the field of automation. It has been proven that it becomes a major disadvantage when you are educated on the technology of just one particular manufacturer, because most of the companies have at least two different PLC brands on their industrial processes. You become more competitive if you are able to easily switch from programming one PLC to another, like you were able to speak several languages. This book is not for you if you just plan to read or learn about a particular brand. Our approach is to teach general information and provide PRACTICE so it will be easier for you to understand ANY PLC brand. The first chapters will teach you about general theory and all the available PLC technologies using the most common terms and names of industrial automation; knowing the jargon is quite important when attending a job interview. The second part is dedicated to learn the basic ladder logic instructions used for programming any generic PLC. There is a software tool (for downloading) used to write and test each of the forty step by step hands-on lessons to help you in practicing on Ladder logic programming. The last part has fourteen industrial PLC applications with project drawings and ladder logic programs, which you can simulate. Practicing with real life examples will help you to understand and reinforce the concepts. There is some extra and useful material: A first bonus is a short chapter of basic understanding on electricity. You'll have to refresh this knowledge if you plan to make real connections on PLC applications. A second bonus: The basic ladder logic commands from several important PLC manufacturers : Allen Bradley(r), Siemens(r), General electric(r), Triangle Research(r) and PLC Direct(r). It will be easy for you to understand the basic concepts from any specific PLC Manufacturer's ladder logic since you already have learned the basic instructions. A third bonus: A Software Simulator is available for downloading so you can perform a hands-on practice of the lessons and the application projects by writing a program on your computer and performing all tests until it works as expected. This material is ideal for beginners and self-learners with no specific background because no prior knowledge is assumed or required. This book has already been selected by prestigious educational institutions all over the world to train students on industrial automation. The learning methodology used here will allow you to troubleshoot, test and debug any PLC application with DIGITAL inputs and outputs. Our second book (coming soon) will cover the ANALOG part. We look for positive reviews so we are the only ones providing support ,free of charge :On page 154 you find two e-mail addresses and the steps for you to get support to obtain and install the software, write a program, answer to your doubts and review of your answers to the questions from each chapter (in English and Spanish). Note to professors/instructors: . Please don't cut your students' wings by teaching a particular brand of PLC. Teach as many brands as possible. Important: Pocket PLC trainers are available for purchase so, in addition to the free software you can also practice with real PLCs. IMPORTANT: Your learning experience is important to us. The few negative reviews are from people who don't even read the text, practice the lessons or try the software. Reading our answers will prove that we never hide, that we try to contact you if

needed and that we listen.

Popular Science - 2005-09

Popular Science gives our readers the information and tools to improve their technology and their world. The core belief that Popular Science and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better.

Lees' Loss Prevention in the Process Industries - Frank Lees 2012-11-05

Safety in the process industries is critical for those who work with chemicals and hazardous substances or processes. The field of loss prevention is, and continues to be, of supreme importance to countless companies, municipalities and governments around the world, and Lees' is a detailed reference to defending against hazards. Recognized as the standard work for chemical and process engineering safety professionals, it provides the most complete collection of information on the theory, practice, design elements, equipment, regulations and laws covering the field of process safety. An entire library of alternative books (and cross-referencing systems) would be needed to replace or improve upon it, but everything of importance to safety professionals, engineers and managers can be found in this all-encompassing three volume reference instead. The process safety encyclopedia, trusted worldwide for over 30 years Now available in print and online, to aid searchability and portability Over 3,600 print pages cover the full scope of process safety and loss prevention, compiling theory, practice, standards, legislation, case studies and lessons learned in one resource as opposed to multiple sources

System Design, Modeling, and Simulation - Claudius Ptolemaeus 2013-09-27

This book is a definitive introduction to models of computation for the design of complex, heterogeneous systems. It has a particular focus on cyber-physical systems, which integrate computing, networking, and physical dynamics. The book captures more than twenty years of experience in the Ptolemy Project at UC Berkeley, which pioneered many design, modeling, and simulation techniques that are now in widespread use. All of the methods covered in the book are realized in the open source Ptolemy II modeling framework and are available for experimentation through links provided in the book. The book is suitable for engineers, scientists, researchers, and managers who wish to understand the rich possibilities offered by modern modeling techniques. The goal of the book is to equip the reader with a breadth of experience that will help in understanding the role that such techniques can play in design.

The Book of R - Tilman M. Davies 2016-07-16

The Book of R is a comprehensive, beginner-friendly guide to R, the world's most popular programming language for statistical analysis. Even if you have no programming experience and little more than a grounding in the basics of mathematics, you'll find everything you need to begin using R effectively for statistical analysis. You'll start with the basics, like how to handle data and write simple programs, before moving on to more advanced topics, like producing statistical summaries of your data and performing statistical tests and modeling. You'll even learn how to create impressive data visualizations with R's basic graphics tools and contributed packages, like ggplot2 and ggvis, as well as interactive 3D visualizations using the rgl package. Dozens of hands-on exercises (with downloadable solutions) take you from theory to practice, as you learn: -The fundamentals of programming in R, including how to write data frames, create functions, and use variables, statements, and loops -Statistical concepts like exploratory data analysis, probabilities, hypothesis tests, and regression modeling, and how to execute them in R -How to access R's thousands of functions, libraries, and data sets -How to draw valid and useful conclusions from your data -How to create publication-quality graphics of your results Combining detailed explanations with real-world examples and exercises, this book will provide you with a solid understanding of both statistics and the depth of R's functionality. Make The Book of R your doorway into the growing world of data analysis.

Sequence — Evolution — Function - Eugene V. Koonin 2013-06-29

Sequence - Evolution - Function is an introduction to the computational approaches that play a critical role in the emerging new branch of biology known as functional genomics. The book provides the reader with an understanding of the principles and approaches of functional genomics and of the potential and limitations of computational and experimental approaches to genome analysis. Sequence - Evolution - Function should help bridge the "digital divide" between biologists and computer scientists, allowing biologists to better grasp the peculiarities

of the emerging field of Genome Biology and to learn how to benefit from the enormous amount of sequence data available in the public databases. The book is non-technical with respect to the computer methods for genome analysis and discusses these methods from the user's viewpoint, without addressing mathematical and algorithmic details. Prior practical familiarity with the basic methods for sequence analysis is a major advantage, but a reader without such experience will be able to use the book as an introduction to these methods. This book is perfect for introductory level courses in computational methods for comparative and functional genomics.

Designing Web Navigation - James Kalbach 2007-08-28

Thoroughly rewritten for today's web environment, this bestselling book offers a fresh look at a fundamental topic of web site development: navigation design. Amid all the changes to the Web in the past decade, and all the hype about Web 2.0 and various "rich" interactive technologies, the basic problems of creating a good web navigation system remain. Designing Web Navigation demonstrates that good navigation is not about technology—it's about the ways people find information, and how you guide them. Ideal for beginning to intermediate web designers, managers, other non-designers, and web development pros looking for another perspective, Designing Web Navigation offers basic design principles, development techniques and practical advice, with real-world examples and essential concepts seamlessly folded in. How does your web site serve your business objectives? How does it meet a user's needs? You'll learn that navigation design touches most other aspects of web site development. This book: Provides the foundations of web navigation and offers a framework for navigation design Paints a broad picture of web navigation and basic human information behavior Demonstrates how navigation reflects brand and affects site credibility Helps you understand the problem you're trying to solve before you set out to design Thoroughly reviews the mechanisms and different types of navigation Explores "information scent" and "information shape" Explains "persuasive" architecture and other design concepts Covers special contexts, such as navigation design for web applications Includes an entire chapter on tagging While Designing Web Navigation focuses on creating navigation systems for large, information-rich sites serving a business purpose, the principles and techniques in the book also apply to small sites. Well researched and cited, this book serves as an excellent reference on the topic, as well as a superb teaching guide. Each chapter ends with suggested reading and a set of questions that offer exercises for experiencing the concepts in action.

Graphic Design School - David Dabner 2017-04-13

The essential introduction to graphic design for the digital era Graphic Design School provides a comprehensive introduction to visual design for modern media. From the fundamentals of design to advanced techniques and problem solving, this book is packed with practical advice and tutorials for a broad range of applications in any media. This updated sixth edition features a wealth of new guidance that reflects the evolution of the field, including extensive discussion of digital design and resourcing. New discussion tackles User Experience and User Interface Design, plus the latest tools, requirements, and resources for designing for the web, mobile apps, social media, and more. Updated assignments reflect the latest graphic design processes and guide students through the transition from simple solutions to starter portfolio pieces, while full-color illustrations, case studies, and designer biographies bring real-world perspective to this complex, multi-faceted skill. As media continues to evolve, graphic designers must possess a core set of competencies that translate across all applications. This book teaches the critical concepts and essential skills that build the framework for successful, innovative design. Master the principles, elements, and tools of design Delve into typography, color, and layout for print and screen Understand coding requirements and information architecture Design for apps, social media, mobile devices, and more Graphic design has never been a static field, and the continual honing of skills and techniques is an essential part of the job. Innovation comes from change, and today's design landscape is evolving at an ever-increasing pace—expanding diversity in media, audience, topic, technique, tools, and more offer unprecedented opportunity to make your mark. Graphic Design School equips you with a rock-solid foundation to support whatever your talent builds.

Athenaeum and Literary Chronicle - 1852

JSON at Work - Tom Marris 2017-06-19

JSON is becoming the backbone for meaningful data interchange over the internet. This format is now supported by an entire ecosystem of

standards, tools, and technologies for building truly elegant, useful, and efficient applications. With this hands-on guide, author and architect Tom Marris shows you how to build enterprise-class applications and services by leveraging JSON tooling and message/document design. JSON at Work provides application architects and developers with guidelines, best practices, and use cases, along with lots of real-world examples and code samples. You'll start with a comprehensive JSON overview, explore the JSON ecosystem, and then dive into JSON's use in the enterprise. Get acquainted with JSON basics and learn how to model JSON data Learn how to use JSON with Node.js, Ruby on Rails, and Java Structure JSON documents with JSON Schema to design and test APIs Search the contents of JSON documents with JSON Search tools Convert JSON documents to other data formats with JSON Transform tools Compare JSON-based hypermedia formats, including HAL and jsonapi Leverage MongoDB to store and access JSON documents Use Apache Kafka to exchange JSON-based messages between services

High Performance Logic And Circuits For High-speed Electronic Systems - Jain Faquir C 2019-06-27

In this volume, we have put together papers spanning a broad range — from the area of modeling of strain and misfit dislocation densities, microwave absorption characteristics of nanocomposites, to X-ray diffraction studies. Specific topics in this volume include: In summary, papers selected in this volume cover various aspects of high performance logic and circuits for high-speed electronic systems.

The Fourth Industrial Revolution - Klaus Schwab 2017-01-03

World-renowned economist Klaus Schwab, Founder and Executive Chairman of the World Economic Forum, explains that we have an opportunity to shape the fourth industrial revolution, which will fundamentally alter how we live and work. Schwab argues that this revolution is different in scale, scope and complexity from any that have come before. Characterized by a range of new technologies that are fusing the physical, digital and biological worlds, the developments are affecting all disciplines, economies, industries and governments, and even challenging ideas about what it means to be human. Artificial intelligence is already all around us, from supercomputers, drones and virtual assistants to 3D printing, DNA sequencing, smart thermostats, wearable sensors and microchips smaller than a grain of sand. But this is just the beginning: nanomaterials 200 times stronger than steel and a million times thinner than a strand of hair and the first transplant of a 3D printed liver are already in development. Imagine "smart factories" in which global systems of manufacturing are coordinated virtually, or implantable mobile phones made of biosynthetic materials. The fourth industrial revolution, says Schwab, is more significant, and its ramifications more profound, than in any prior period of human history. He outlines the key technologies driving this revolution and discusses the major impacts expected on government, business, civil society and individuals. Schwab also offers bold ideas on how to harness these changes and shape a better future—one in which technology empowers people rather than replaces them; progress serves society rather than disrupts it; and in which innovators respect moral and ethical boundaries rather than cross them. We all have the opportunity to contribute to developing new frameworks that advance progress.

Ethernet Switches - Charles E. Spurgeon 2013

"An introduction to network design with switches"--Cover.

Instant PLC Programming with RSLogix 5000 - Austin Scott 2013-10-25

Filled with practical, step-by-step instructions and clear explanations for the most important and useful tasks. This is a Packt Instant guide, which provides concise and clear recipes to create PLC programs using RSLogix 5000. The purpose of this book is to capture the core elements of PLC programming with RSLogix 5000 so that electricians, instrumentation techs, automation professionals, and students who are familiar with basic PLC programming techniques can come up to speed with a minimal investment of time and energy.

Studio 5000 Logix Designer - Gary D. Anderson 2020-01-13

Studio 5000 Logix Designer: A Learning Guide for ControlLogix Basics: presents details in an easy to follow, step-by-step method that highlights essential concepts and techniques of using Studio 5000 Logix Designer software, and the ControlLogix platform. It highlights essential techniques and practices for effectively using Studio 5000 development software to build ControlLogix or CompactLogix PLC automation solutions. This book addresses those key elements and concepts of PAC program development that must be understood, and built upon, to be proficient in troubleshooting or developing ControlLogix based projects.

The Most Dangerous Game - Richard Connell 2020-04-21

From one of America's most popular short story writers and an Academy

Award nominee: the O. Henry Award-winning tale that inspired the movie *The Hunt*. A subject of mysterious rumors and superstition, the deserted Caribbean Island was shrouded in an air of peril. To Sanger Rainsford, who fell off a yacht and washed up on its shores, the abandoned isle was a welcome paradise. But unknown to the big-game hunter, a predator lurked in its lush jungles—one more dangerous than any he had ever encountered: a human. First published in 1924, this suspenseful tale “has inspired serial killers, films and stirred controversy in schools. A century on, the story continues to thrill” (The Telegraph). “[A] tense, relentless story of man-against-man adventure, in which the hunter Sanger Rainsford learns, at the hands of General Zaroff, what it means to be hunted.” —Criterion

Social Science Research - Anol Bhattacharjee 2012-04-01

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.

Logic Pro X For Dummies - Graham English 2018-08-06

Spend less time learning and more time recording Logic Pro X offers Mac users the tools and power they need to create recordings ready to share with the world. This book provides the know-how for navigating the interface, tweaking the settings, picking the sounds, and all the other tech tasks that get in the way of capturing the perfect take. Written by a Logic Pro X trainer who’s used the software to further his own music career, Logic Pro X For Dummies cuts back on the time needed to learn the software and allows for more time making amazing recordings. Record live sound sources or built-in virtual instruments Arrange your tracks to edit, mix, and master Discover tips to speed the process and record on an iPad Make sense of the latest software updates A favorite among Logic Pro X beginners, this book is updated to reflect the ongoing changes added to enhance Logic Pro X’s recording power.

How Tobacco Smoke Causes Disease - 2010

This report considers the biological and behavioral mechanisms that may underlie the pathogenicity of tobacco smoke. Many Surgeon General's reports have considered research findings on mechanisms in assessing the biological plausibility of associations observed in epidemiologic studies. Mechanisms of disease are important because they may provide plausibility, which is one of the guideline criteria for assessing evidence on causation. This report specifically reviews the evidence on the potential mechanisms by which smoking causes diseases and considers whether a mechanism is likely to be operative in the production of human disease by tobacco smoke. This evidence is relevant to

understanding how smoking causes disease, to identifying those who may be particularly susceptible, and to assessing the potential risks of tobacco products.

Designing Interfaces - Jenifer Tidwell 2005-11-21

Provides information on designing easy-to-use interfaces.

Web Database Applications with PHP and MySQL - Hugh E. Williams 2002

Combines language tutorials with application design advice to cover the PHP server-side scripting language and the MySQL database engine.

A Complete Guide to Programming in C++ - Ulla Kirch-Prinz 2002

This guide was written for readers interested in learning the C++ programming language from scratch, and for both novice and advanced C++ programmers wishing to enhance their knowledge of C++. The text is organized to guide the reader from elementary language concepts to professional software development, with in depth coverage of all the C++ language elements en route.

A Confederacy of Dunces - John Kennedy Toole 2007-12-01

Winner of the Pulitzer Prize “A masterwork . . . the novel astonishes with its inventiveness . . . it is nothing less than a grand comic fugue.”—The New York Times Book Review *A Confederacy of Dunces* is an American comic masterpiece. John Kennedy Toole's hero, one Ignatius J. Reilly, is “huge, obese, fractious, fastidious, a latter-day Gargantua, a Don Quixote of the French Quarter. His story bursts with wholly original characters, denizens of New Orleans' lower depths, incredibly true-to-life dialogue, and the zaniest series of high and low comic adventures” (Henry Kisor, Chicago Sun-Times).

Creating a Website: The Missing Manual - Matthew MacDonald 2015-06-18

You can easily create a professional-looking website with nothing more than an ordinary computer and some raw ambition. Want to build a blog, sell products, create forums, or promote an event? No problem! This friendly, jargon-free book gives you the techniques, tools, and advice you need to build a site and get it up on the Web. The important stuff you need to know: Master the basics. Learn HTML5, the language of the Web. Design good-looking pages. Use styles to build polished layouts. Get it online. Find a reliable web host and pick a good web address. Use time-saving tools. Learn free tools for creating web pages and tracking your visitors. Attract visitors. Make sure people can find your site through popular search engines like Google. Build a community. Encourage repeat visits with social media. Bring in the cash. Host Google ads, sell Amazon’s wares, or push your own products that people can buy via PayPal. Add pizzazz. Include audio, video, interactive menus, and a pinch of JavaScript.

Baby Steps: Intro to Computer Engineering - Chase Roberts 2020-07-20

An introduction to computer engineering for babies. Learn basic logic gates with hands on examples of buttons and an output LED.