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High Voltage Engineering Fundamentals - John Kuffel 2000-07-17
Power transfer for large systems depends on high system voltages. The basics of high voltage laboratory techniques and phenomena, together with the principles governing the design of high voltage insulation, are covered in this book for students, utility engineers, designers and operators of high voltage equipment. In this new edition the text has been entirely revised to reflect current practice. Major changes include coverage of the latest instrumentation, the use of electronegative gases such as sulfur hexafluoride, modern diagnostic techniques, and high voltage testing procedures with statistical approaches. A classic text on high voltage engineering Entirely revised to bring you up-to-date with current practice Benefit from expanded sections on testing and diagnostic techniques

Modern Control Engineering - Katsuhiko Ogata 1990

Text for a first course in control systems, revised (1st ed. was 1970) to include new subjects such as the pole placement approach to the design of control systems, design of observers, and computer simulation of control systems. For senior engineering students. Annotation copyright Book News, Inc.

Digital Electronics - Anil K. Maini 2007-09-27

The fundamentals and implementation of digital electronics are essential to understanding the design and working of consumer/industrial electronics, communications, embedded systems, computers, security and military equipment. Devices used in applications such as these are constantly decreasing in size and employing more complex technology. It is therefore essential for engineers and students to understand the fundamentals, implementation and application principles of digital electronics, devices and integrated circuits. This is so that they can use the most appropriate and effective technique to suit their technical need. This book provides practical and comprehensive coverage of digital electronics, bringing together information on fundamental theory, operational aspects and potential applications. With worked problems, examples, and review questions for each chapter, Digital Electronics includes: information on number systems, binary codes, digital arithmetic, logic gates and families, and Boolean algebra; an in-depth look at multiplexers, de-multiplexers, devices for arithmetic operations, flip-flops and related devices, counters and registers, and data conversion circuits; up-to-date coverage of recent application fields, such as programmable logic devices, microprocessors, microcontrollers, digital troubleshooting and digital instrumentation. A comprehensive, must-read book on digital electronics for senior undergraduate and graduate students of electrical, electronics and computer engineering, and a valuable reference book for professionals and researchers.

Professional Android 4 Application Development - Reto Meier 2012-04-05

Developers, build mobile Android apps using Android 4 The fast-growing popularity of Android smartphones and tablets creates a huge opportunities for developers. If you're an experienced developer, you can start creating robust mobile Android apps right away with this professional guide to Android 4 application development. Written by one of Google's lead Android developer advocates, this practical book walks you through a series of hands-on projects that illustrate the features of the Android SDK. That includes all the new APIs introduced in Android 3 and 4, including building for tablets, using the Action Bar, Wi-Fi Direct, NFC Beam, and more. Shows experienced developers how to create mobile applications for Android smartphones and tablets

Revised and expanded to cover all the Android SDK releases including Android 4.0 (Ice Cream Sandwich), including all updated APIs, and the latest changes to the Android platform. Explains new and enhanced features such as drag and drop, fragments, the action bar, enhanced multitouch support, new environmental sensor support, major improvements to the animation framework, and a range of new communications techniques including NFC and Wi-Fi direct. Provides practical guidance on publishing and marketing your applications, best practices for user experience, and more This book helps you learn to master the design, lifecycle, and UI of an Android app through practical exercises, which you can then use as a basis for developing your own Android apps.

Power System Protection and Switchgear - B. Ravindranath 1977

FPGA Design - Philip Simpson 2010-07-23

In August of 2006, an engineering VP from one of Altera's customers approached Misha Burich, VP of Engineering at Altera, asking for help in reliably being able to predict the cost, schedule and quality of system designs reliant on FPGA designs. At this time, I was responsible for defining the design flow requirements for the Altera design software and was tasked with investigating this further. As I worked with the customer to understand what worked and what did not work reliably in their FPGA design process, I noted that this problem was not unique to this one customer. The characteristics of the problem are shared by many Corporations that implement designs in FPGAs. The Corporation has many design teams at different locations and the success of the FPGA projects vary between the teams. There is a wide range of design experience across the teams. There is no working process for sharing design blocks between engineering teams. As I analyzed the data that I had received from hundreds of customer visits in the past, I noticed that design reuse among engineering teams was a challenge. I also noticed that many of the design teams at the same Companies and even within the same design team used different design methodologies. Altera had recently solved this problem as part of its own FPGA design software and IP development process.

Design of Steel Structures - Elias G. Abu-Saba 2012-12-06

This book is intended for classroom teaching in architectural and civil engineering at the graduate and undergraduate levels. Although it has been developed from lecture notes given in structural steel design, it can be useful to practicing engineers. Many of the examples presented in this book are drawn from the field of design of structures. Design of Steel Structures can be used for one or two semesters of three hours each on the undergraduate level. For a two-semester curriculum, Chapters 1 through 8 can be used during the first semester. Heavy emphasis should be placed on Chapters 1 through 5, giving the student a brief exposure to the consideration of wind and earthquakes in the design of buildings. With the new federal requirements vis a vis wind and earthquake hazards, it is beneficial to the student to have some under standing of the underlying concepts in this field. In addition to the class lectures, the instructor should require the student to submit a term project that includes the complete structural design of a multi-story building using standard design procedures as specified by AISC Specifications. Thus, the use of the AISC Steel Construction Manual is a must in teaching this course. In the second semester, Chapters 9 through 13 should be covered. At the undergraduate level, Chapters 11 through 13

should be used on a limited basis, leaving the student more time to concentrate on composite construction and built-up girders.
SAP EWM Architecture and Programming - Peter Zoellner
2015-10-30

Explore extension options in SAP EWM and see how you can meet the unique functionality requirements of your warehouse. Find out how to make UI changes to transactions or generate condition-dependent actions, learn to program SAP EWM's software components, and extend the Preconfigured Warehouse solution. With detailed examples and sample code, you can ensure that your warehouse management suits your business precisely. Architecture and Frameworks Understand the individual software components that make up SAP EWM and how they integrate with SAP ERP. Find out about extended functionality through the use of the SAP EWM frameworks and the Preconfigured Warehouse solution. Function Modules and Methods Learn about the function modules and methods used to extend SAP EWM, including Read Warehouse Requests, Get Stock, Get Transportation Units, and more. Useful Business Add-Ins Discover the most frequently used BAdIs in SAP EWM, and learn their functions and how to make the most of them. Highlights: SCDL delivery processing Work Center Radio Frequency Framework Post Processing Framework Easy Enhancement Workbench SAP LUW in EWM Function modules Wave management Exception handling Transaction management Warehouse Monitor Easy Graphics Framework

Paper Safe - Gregory W Smith 2018-10-21

Paper Safe looks at the increasing trend of bureaucratisation in health and safety management, and explores how our obsession with paperwork not only reduces safety, but increases legal risk.

Computational Methodologies for Electrical and Electronics Engineers - Singh, Rajiv 2021-03-18

Artificial intelligence has been applied to many areas of science and technology, including the power and energy sector. Renewable energy in particular has experienced the tremendous positive impact of these developments. With the recent evolution of smart energy technologies, engineers and scientists working in this sector need an exhaustive source of current knowledge to effectively cater to the energy needs of citizens of developing countries. *Computational Methodologies for Electrical and Electronics Engineers* is a collection of innovative research that provides a complete insight and overview of the application of intelligent computational techniques in power and energy. Featuring research on a wide range of topics such as artificial neural networks, smart grids, and soft computing, this book is ideally designed for programmers, engineers, technicians, ecologists, entrepreneurs, researchers, academicians, and students.

The Testing Trilogy - Joelle Charbonneau 2014-10-21

Experience all three riveting novels in the New York Times best-selling trilogy from author Joelle Charbonneau. The Testing is a new dystopian series perfect for readers of *Divergent* and *The Hunger Games*. Experience all three riveting novels in the New York Times best-selling trilogy from author Joelle Charbonneau. The complete collection includes *The Testing*, *Independent Study*, and *Graduation Day*. *The Testing*: Your time is almost up. The best-selling trilogy's dynamic dystopian debut. It's graduation day for sixteen-year-old Malencia Vale, and the entire Five Lakes Colony (the former Great Lakes) is celebrating. All Cia can think about—hope for—is whether she'll be chosen for *The Testing*. Danger, romance—and sheer terror—await. *Independent Study*: Failure is not an option. Cia is a freshman at the University in Tosu City with her hometown sweetheart, Tomas—and though the government has tried to erase her memory of the brutal horrors of *The Testing*, Cia remembers. Her attempts to expose the ugly truth behind the government's murderous programs put her—and her loved ones—in a world of danger. The future of the Commonwealth depends on her. *Graduation Day*: The final test is the deadliest. In the thrilling conclusion to the New York Times best-selling trilogy, the stakes are higher than ever—lives of promise cut short or fulfilled; a future ruled by fear or hope. Ready or not...it's *Graduation Day*. This ebook also contains *The Testing Guide*—the e-only prequel to *The Testing*.

Capacity for Development - Sakiko Fukuda-Parr 2002

If capacity development initiatives are to have a pivotal role in

helping developing countries meet the challenges of the 21st century, it is necessary to take a closer look at the underlying assumptions about the nature of development as a process of societal transformation, of capacity and capacity development, of knowledge and of aid-donor-recipient relationship. This book contains a range of views from practitioners, academics and policy-makers about what has gone right with technical cooperation, what has gone wrong, and how to do it better.

Vehicle Dynamics and Control - Rajesh Rajamani 2011-12-21

Vehicle Dynamics and Control provides a comprehensive coverage of vehicle control systems and the dynamic models used in the development of these control systems. The control system applications covered in the book include cruise control, adaptive cruise control, ABS, automated lane keeping, automated highway systems, yaw stability control, engine control, passive, active and semi-active suspensions, tire-road friction coefficient estimation, rollover prevention, and hybrid electric vehicles. In developing the dynamic model for each application, an effort is made to both keep the model simple enough for control system design but at the same time rich enough to capture the essential features of the dynamics. A special effort has been made to explain the several different tire models commonly used in literature and to interpret them physically. In the second edition of the book, chapters on roll dynamics, rollover prevention and hybrid electric vehicles have been added, and the chapter on electronic stability control has been enhanced. The use of feedback control systems on automobiles is growing rapidly. This book is intended to serve as a useful resource to researchers who work on the development of such control systems, both in the automotive industry and at universities. The book can also serve as a textbook for a graduate level course on *Vehicle Dynamics and Control*.

Building the Data Lakehouse - Bill Inmon 2021-10

The data lakehouse is the next generation of the data warehouse and data lake, designed to meet today's complex and ever-changing analytics, machine learning, and data science requirements. Learn about the features and architecture of the data lakehouse, along with its powerful analytical infrastructure. Appreciate how the universal common connector blends structured, textual, analog, and IoT data. Maintain the lakehouse for future generations through *Data Lakehouse Housekeeping* and *Data Future-proofing*. Know how to incorporate the lakehouse into an existing data governance strategy. Incorporate data catalogs, data lineage tools, and open source software into your architecture to ensure your data scientists, analysts, and end users live happily ever after.

SAP Interface Programming - Michael Wegelin 2009-11-25

This book teaches the reader how to integrate third-party programs with SAP systems. It provides a comprehensive description of the communication protocols that are supported by SAP, which components of the SAP NetWeaver Application Server implement them, and how these components must be configured to enable communication with external systems. Extensive, programmed examples of how external clients and servers can be implemented in ABAP, C, Java, and C# support the purpose and objective of this book.

Engineering Metrology and Measurements - Raghavendra, 2013-05

Engineering Metrology and Measurements is a textbook designed for students of mechanical, production and allied disciplines to facilitate learning of various shop-floor measurement techniques and also understand the basics of mechanical measurements.

Chemical Reaction Engineering - Octave Levenspiel

1998-09-01

Chemical reaction engineering is concerned with the exploitation of chemical reactions on a commercial scale. It's goal is the successful design and operation of chemical reactors. This text emphasizes qualitative arguments, simple design methods, graphical procedures, and frequent comparison of capabilities of the major reactor types. Simple ideas are treated first, and are then extended to the more complex.

Design Patterns - Erich Gamma 1995

Software -- Software Engineering.

The Art of Gathering - Priya Parker 2020-04-14

"Hosts of all kinds, this is a must-read!" --Chris Anderson, owner and curator of TED From the host of the New York Times podcast

Together Apart, an exciting new approach to how we gather that will transform the ways we spend our time together—at home, at work, in our communities, and beyond. In *The Art of Gathering*, Priya Parker argues that the gatherings in our lives are lackluster and unproductive—which they don't have to be. We rely too much on routine and the conventions of gatherings when we should focus on distinctiveness and the people involved. At a time when coming together is more important than ever, Parker sets forth a human-centered approach to gathering that will help everyone create meaningful, memorable experiences, large and small, for work and for play. Drawing on her expertise as a facilitator of high-powered gatherings around the world, Parker takes us inside events of all kinds to show what works, what doesn't, and why. She investigates a wide array of gatherings—conferences, meetings, a courtroom, a flash-mob party, an Arab-Israeli summer camp—and explains how simple, specific changes can invigorate any group experience. The result is a book that's both journey and guide, full of exciting ideas with real-world applications. *The Art of Gathering* will forever alter the way you look at your next meeting, industry conference, dinner party, and backyard barbecue—and how you host and attend them.

Modern Electric, Hybrid Electric, and Fuel Cell Vehicles - Mehrdad Ehsani 2018-02-02

"This book is an introduction to automotive technology, with specific reference to battery electric, hybrid electric, and fuel cell electric vehicles. It could serve electrical engineers who need to know more about automobiles or automotive engineers who need to know about electrical propulsion systems. For example, this reviewer, who is a specialist in electric machinery, could use this book to better understand the automobiles for which the reviewer is designing electric drive motors. An automotive engineer, on the other hand, might use it to better understand the nature of motors and electric storage systems for application in automobiles, trucks or motorcycles. The early chapters of the book are accessible to technically literate people who need to know something about cars. While the first chapter is historical in nature, the second chapter is a good introduction to automobiles, including dynamics of propulsion and braking. The third chapter discusses, in some detail, spark ignition and compression ignition (Diesel) engines. The fourth chapter discusses the nature of transmission systems." —James Kirtley, Massachusetts Institute of Technology, USA "The third edition covers extensive topics in modern electric, hybrid electric, and fuel cell vehicles, in which the profound knowledge, mathematical modeling, simulations, and control are clearly presented. Featured with design of various vehicle drivetrains, as well as a multi-objective optimization software, it is an estimable work to meet the needs of automotive industry." —Haiyan Henry Zhang, Purdue University, USA "The extensive combined experience of the authors have produced an extensive volume covering a broad range but detailed topics on the principles, design and architectures of Modern Electric, Hybrid Electric, and Fuel Cell Vehicles in a well-structured, clear and concise manner. The volume offers a complete overview of technologies, their selection, integration & control, as well as an interesting Technical Overview of the Toyota Prius. The technical chapters are complemented with example problems and user guides to assist the reader in practical calculations through the use of common scientific computing packages. It will be of interest mainly to research postgraduates working in this field as well as established academic researchers, industrial R&D engineers and allied professionals." —Christopher Donaghy-Sparg, Durham University, United Kingdom The book deals with the fundamentals, theoretical bases, and design methodologies of conventional internal combustion engine (ICE) vehicles, electric vehicles (EVs), hybrid electric vehicles (HEVs), and fuel cell vehicles (FCVs). The design methodology is described in mathematical terms, step-by-step, and the topics are approached from the overall drive train system, not just individual components. Furthermore, in explaining the design methodology of each drive train, design examples are presented with simulation results. All the chapters have been updated, and two new chapters on Mild Hybrids and Optimal Sizing and Dimensioning and Control are also included • Chapters updated throughout the text. • New homework problems, solutions, and examples. • Includes two new chapters. • Features accompanying

MATLAB™ software.

Power System Dynamics and Stability - Peter W. Sauer 2006

The Circuits and Filters Handbook, Third Edition (Five Volume Slipcase Set) - Wai-Kai Chen 2009-06-25

Standard-setting, groundbreaking, authoritative, comprehensive—these often overused words perfectly describe *The Circuits and Filters Handbook, Third Edition*. This standard-setting resource has documented the momentous changes that have occurred in the field of electrical engineering, providing the most comprehensive coverage available. More than 150 contributing experts offer in-depth insights and enlightened perspectives into standard practices and effective techniques that will make this set the first—and most likely the only—tool you select to help you with problem solving. In its third edition, this groundbreaking bestseller surveys accomplishments in the field, providing researchers and designers with the comprehensive detail they need to optimize research and design. All five volumes include valuable information on the emerging fields of circuits and filters, both analog and digital. Coverage includes key mathematical formulas, concepts, definitions, and derivatives that must be mastered to perform cutting-edge research and design. The handbook avoids extensively detailed theory and instead concentrates on professional applications, with numerous examples provided throughout. The set includes more than 2500 illustrations and hundreds of references. Available as a comprehensive five-volume set, each of the subject-specific volumes can also be purchased separately.

2018 IEEMA Engineer Infinite Conference (eTechNxT) - IEEE Staff 2018-03-13

The scope of the conference is to showcase futuristic technologies focused on Digital transformation of power delivery, Energy storage systems & solutions, IoT and e Transportation and the opportunities therein

Graph Theory with Applications to Engineering and Computer Science - Narsingh Deo 1974

Because of its inherent simplicity, graph theory has a wide range of applications in engineering, and in physical sciences. It has of course uses in social sciences, in linguistics and in numerous other areas. In fact, a graph can be used to represent almost any physical situation involving discrete objects and the relationship among them. Now with the solutions to engineering and other problems becoming so complex leading to larger graphs, it is virtually difficult to analyze without the use of computers. This book is recommended in IIT Kharagpur, West Bengal for B.Tech Computer Science, NIT Arunachal Pradesh, NIT Nagaland, NIT Agartala, NIT Silchar, Gauhati University, Dibrugarh University, North Eastern Regional Institute of Management, Assam Engineering College, West Bengal University of Technology (WBUT) for B.Tech, M.Tech Computer Science, University of Burdwan, West Bengal for B.Tech. Computer Science, Jadavpur University, West Bengal for M.Sc. Computer Science, Kalyani College of Engineering, West Bengal for B.Tech. Computer Science. Key Features: This book provides a rigorous yet informal treatment of graph theory with an emphasis on computational aspects of graph theory and graph-theoretic algorithms. Numerous applications to actual engineering problems are incorporated with software design and optimization topics.

Power Plant Engineering - A. K. Raja 2006

This Text-Cum-Reference Book Has Been Written To Meet The Manifold Requirement And Achievement Of The Students And Researchers. The Objective Of This Book Is To Discuss, Analyses And Design The Various Power Plant Systems Serving The Society At Present And Will Serve In Coming Decades India In Particular And The World In General. The Issues Related To Energy With Stress And Environment Up To Some Extent And Finally Find Ways To Implement The Outcome. Salient Features# Utilization Of Non-Conventional Energy Resources# Includes Green House Effect# Gives Latest Information S In Power Plant Engineering# Include Large Number Of Problems Of Both Indian And Foreign Universities# Rich Contents, Lucid Manner

The Civil Engineering Handbook - W.F. Chen 2002-08-29

First published in 1995, the award-winning *Civil Engineering Handbook* soon became known as the field's definitive reference. To retain its standing as a complete, authoritative resource, the

editors have incorporated into this edition the many changes in techniques, tools, and materials that over the last seven years have found their way into civil engineering research and practice. The Civil Engineering Handbook, Second Edition is more comprehensive than ever. You'll find new, updated, and expanded coverage in every section. In fact, more than 1/3 of the handbook is new or substantially revised. In particular you'll find increased focus on computing reflecting the rapid advances in computer technology that has revolutionized many aspects of civil engineering. You'll use it as a survey of the field, you'll use it to explore a particular subject, but most of all you'll use The Civil Engineering Handbook to answer the problems, questions, and conundrums you encounter in practice.

Blitt - Barry Blitt 2017-10-24

"One of the great political cartoonists of our time." —David Remnick A gorgeous, hilarious, and provocative compendium of the Pulitzer Prize-winning artist's illustrations for The New Yorker, The New York Times, Vanity Fair, and more. Barry Blitt's cartoons have been lampooning American politics and culture for decades. His iconic New Yorker covers are defining images for our times, earning him adoration from critics and fans and piles of hate mail from everyone else. This lavish full-color collection showcases more than a quarter century of Blitt's work: his wry and provocative New Yorker covers, from the Obama fist bump heard round the world, to George W. Bush's drowning cabinet, to the myriad (and counting) misadventures of Donald Trump; Blitt's long-running collaboration with Frank Rich on The New York Times op-ed page; and his work for Vanity Fair, Time, Entertainment Weekly, and others. Blitt also shares his private sketchbooks, drafts, and uproarious rejected illustrations, offering readers an illuminating view into his creative process. Featuring the author's hand-scrawled annotations and self-deprecating witticisms, more than one hundred never-before-seen sketches and drafts, and essays from Blitt's collaborators and peers, including Frank Rich, Françoise Mouly, and Steve Brodner, Blitt is a visual delight and a rollicking trip into the mind of an utterly original artist.

Robot Operating System (ROS) - Anis Koubaa 2016-02-09

The objective of this book is to provide the reader with a comprehensive coverage on the Robot Operating Systems (ROS) and latest related systems, which is currently considered as the main development framework for robotics applications. The book includes twenty-seven chapters organized into eight parts. Part 1 presents the basics and foundations of ROS. In Part 2, four chapters deal with navigation, motion and planning. Part 3 provides four examples of service and experimental robots. Part 4 deals with real-world deployment of applications. Part 5 presents signal-processing tools for perception and sensing. Part 6 provides software engineering methodologies to design complex software with ROS. Simulations frameworks are presented in Part 7. Finally, Part 8 presents advanced tools and frameworks for ROS including multi-master extension, network introspection, controllers and cognitive systems. This book will be a valuable companion for ROS users and developers to learn more ROS capabilities and features.

High Voltage Direct Current Transmission - J. Arrillaga 1998-06-30

This book describes a variety of reasons justifying the use of DC transmission as well as the basic concepts and techniques involved in the AC-DC and DC-AC conversion processes.

Improving Diagnosis in Health Care - National Academies of Sciences, Engineering, and Medicine 2016-01-29

Getting the right diagnosis is a key aspect of health care - it provides an explanation of a patient's health problem and informs subsequent health care decisions. The diagnostic process is a complex, collaborative activity that involves clinical reasoning and information gathering to determine a patient's health problem. According to *Improving Diagnosis in Health Care*, diagnostic errors-inaccurate or delayed diagnoses-persist throughout all settings of care and continue to harm an unacceptable number of patients. It is likely that most people will experience at least one diagnostic error in their lifetime, sometimes with devastating consequences. Diagnostic errors may cause harm to patients by preventing or delaying appropriate treatment, providing unnecessary or harmful treatment, or

resulting in psychological or financial repercussions. The committee concluded that improving the diagnostic process is not only possible, but also represents a moral, professional, and public health imperative. *Improving Diagnosis in Health Care*, a continuation of the landmark Institute of Medicine reports *To Err Is Human* (2000) and *Crossing the Quality Chasm* (2001), finds that diagnosis-and, in particular, the occurrence of diagnostic errors"has been largely unappreciated in efforts to improve the quality and safety of health care. Without a dedicated focus on improving diagnosis, diagnostic errors will likely worsen as the delivery of health care and the diagnostic process continue to increase in complexity. Just as the diagnostic process is a collaborative activity, improving diagnosis will require collaboration and a widespread commitment to change among health care professionals, health care organizations, patients and their families, researchers, and policy makers. The recommendations of *Improving Diagnosis in Health Care* contribute to the growing momentum for change in this crucial area of health care quality and safety.

IBM High Availability Solution for IBM FileNet P8 Systems - 2009

Biomimetics - Yoseph Bar-Cohen 2005-11-02

Nature is the world's foremost designer. With billions of years of experience and boasting the most extensive laboratory available, it conducts research in every branch of engineering and science. Nature's designs and capabilities have always inspired technology, from the use of tongs and tweezers to genetic algorithms and autonomous legged robots. Taking a systems perspective rather than focusing narrowly on materials or chemistry aspects, *Biomimetics: Biologically Inspired Technologies* examines the field from every angle. The book contains pioneering approaches to biomimetics including a new perspective on the mechanization of cognition and intelligence, as well as defense and attack strategies in nature, their applications, and potential. It surveys the field from modeling to applications and from nano- to macro-scales, beginning with an introduction to principles of using biology to inspire designs as well as biological mechanisms as models for technology. This innovative guide discusses evolutionary robotics; genetic algorithms; molecular machines; multifunctional, biological-, and nano- materials; nastic structures inspired by plants; and functional surfaces in biology. Looking inward at biological systems, the book covers the topics of biomimetic materials, structures, control, cognition, artificial muscles, biosensors that mimic senses, artificial organs, and interfaces between engineered and biological systems. The final chapter contemplates the future of the field and outlines the challenges ahead. Featuring extensive illustrations, including a 32-page full-color insert, *Biomimetics: Biologically Inspired Technologies* provides unmatched breadth of scope as well as lucid illumination of this promising field.

The Borowitz Report - Andy Borowitz 2010-05-11

Prepare to be shocked. From the man *The Wall Street Journal* hailed as a "Swifitean satirist" comes the most shocking book ever written! *The Borowitz Report: The Big Book of Shockers*, by award-winning fake journalist Andy Borowitz, contains page after page of "news stories" too hot, too controversial, too -- yes, shocking -- for the mainstream press to handle. Sample the groundbreaking reporting from the news organization whose motto is "Give us thirty minutes -- we'll waste it."

The Craft of Scientific Presentations - Michael Alley 2006-05-17

This timely and hugely practical work provides a score of examples from contemporary and historical scientific presentations to show clearly what makes an oral presentation effective. It considers presentations made to persuade an audience to adopt some course of action (such as funding a proposal) as well as presentations made to communicate information, and it considers these from four perspectives: speech, structure, visual aids, and delivery. It also discusses computer-based projections and slide shows as well as overhead projections. In particular, it looks at ways of organizing graphics and text in projected images and of using layout and design to present the information efficiently and effectively.

PHP: The Complete Reference - Steven Holzner 2008

Complemented by hundreds of illustrations, a comprehensive

resource on the latest version of PHP, the dominant programming language of the Web, demonstrates how to develop a variety of dynamic Web applications--including guest books, chat rooms, and shopping carts--with coverage of data handling, databases, object-oriented programming, AJAX, XML, security issues, and other topics. Original. (Intermediate)

Satellite Communications Systems Engineering - Louis J. Ippolito, Jr. 2017-02-28

The first edition of *Satellite Communications Systems Engineering* (Wiley 2008) was written for those concerned with the design and performance of satellite communications systems employed in fixed point to point, broadcasting, mobile, radio navigation, data relay, computer communications, and related satellite based applications. This welcome Second Edition continues the basic premise and enhances the publication with the latest updated information and new technologies developed since the publication of the first edition. The book is based on graduate level satellite communications course material and has served as the primary text for electrical engineering Masters and Doctoral level courses in satellite communications and related areas. Introductory to advanced engineering level students in electrical, communications and wireless network courses, and electrical engineers, communications engineers, systems engineers, and wireless network engineers looking for a refresher will find this essential text invaluable.

Android Application Development - Rick Rogers 2009-05-13

This practical book provides the concepts and code you need to develop software with Android, the open-source platform for cell phones and mobile devices that's generating enthusiasm across the industry. Based on the Linux operating system and developed by Google and the Open Handset Alliance, Android has the potential to unite a fragmented mobile market. *Android Application Development* introduces this programming environment, and offers you a complete working example that demonstrates Android architectural features and APIs. With this book, you will: Get a complete introduction to the Android programming environment, architecture, and tools Build a modular application, beginning with a core module that serves to launch modules added in subsequent chapters Learn the concepts and architecture of a specific feature set, including views, maps, location-based services, persistent data storage, 2D and 3D graphics, media services, telephony services, and messaging Use ready-to-run example code that implements each feature Delve into advanced topics, such as security, custom views,

performance analysis, and internationalization The book is a natural complement to the existing Android documentation provided by Google. Whether you want to develop a commercial application for mobile devices, or just want to create a mobile mashup for personal use, *Android Application Development* demonstrates how you can design, build, and test applications for the new mobile market.

Dynamic Behavior of Materials - Marc A. Meyers 1994-10-28

Addresses fundamentals and advanced topics relevant to the behavior of materials under in-service conditions such as impact, shock, stress and high-strain rate deformations. Deals extensively with materials from a microstructure perspective which is the future direction of research today.

Python for Everybody - Charles R. Severance 2016-04-09

Python for Everybody is designed to introduce students to programming and software development through the lens of exploring data. You can think of the Python programming language as your tool to solve data problems that are beyond the capability of a spreadsheet. Python is an easy to use and easy to learn programming language that is freely available on Macintosh, Windows, or Linux computers. So once you learn Python you can use it for the rest of your career without needing to purchase any software. This book uses the Python 3 language. The earlier Python 2 version of this book is titled "Python for Informatics: Exploring Information". There are free downloadable electronic copies of this book in various formats and supporting materials for the book at www.pythonlearn.com. The course materials are available to you under a Creative Commons License so you can adapt them to teach your own Python course.

Implementing SAP Governance, Risk, and Compliance -

Asokkumar Christian 2014

Unsure how to navigate the wild waters and changing tides of corporate compliance and governance? With this comprehensive guide to SAPs Governance, Risk, and Compliance (GRC) module, plot your GRC course with confidence. Written for today's busy GRC consultants, project managers, and analysts, this book will explore the core components of the GRC module Access Control, Process Control, and Risk Management and their implementation. Learn how to configure and implement the necessary dimensions, master data, and rules setup for all three core components of GRC. Build a strong GRC foundation that is both adaptive and reactive to regulatory pressures, corporate policies, and unanticipated risk.