

# Computer Networks A Systems Approach Ebook3000 Com

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Power System Analysis:  
Operation And Control 3Rd  
Ed. Abhijit Chakrabarti  
2010-01-30 This  
comprehensive book is  
designed both for  
postgraduate students in  
power systems/energy  
systems engineering and a

one-year course for senior  
undergraduate students of  
electrical engineering  
pursuing courses on power  
systems. The text gives a  
systematic exposition of  
topics such as modelling of  
power system components,  
load flow, automatic load  
frequency control, economic

operation, voltage control and stability, study of faulted power systems, and optimal power flow. Besides giving a detailed discussion on the basic principles and practices, the text provides computer-based examples to illustrate the topics discussed. What makes the text unique is that it deals with the practice of computer for power system operation and control. This book also brings together the diverse aspects of power system operation and control and is a practical hands-on guide to theoretical developments and to the application of advanced methods in solving operational and control problems of electric power systems. The book should therefore be of immense benefit to the industry professionals and researchers as well.

### **A Course in Classical Physics 3 –**

### **Electromagnetism**

Alessandro Bettini

2016-07-30 Focusing on

electromagnetism, this third volume of a four-volume textbook covers the electric field under static conditions, constant electric currents and their laws, the magnetic field in a vacuum, electromagnetic induction, magnetic energy under static conditions, the magnetic properties of matter, and the unified description of electromagnetic phenomena provided by Maxwell's equations. The four-volume textbook as a whole covers electromagnetism, mechanics, fluids and thermodynamics, and waves and light, and is designed to reflect the typical syllabus during the first two years of a calculus-based university physics program. Throughout all four volumes, particular attention is paid to in-depth clarification of conceptual aspects, and to this end the historical roots of the principal concepts are traced. Emphasis is also consistently placed on the

experimental basis of the concepts, highlighting the experimental nature of physics. Whenever feasible at the elementary level, concepts relevant to more advanced courses in quantum mechanics and atomic, solid state, nuclear, and particle physics are included. The textbook offers an ideal resource for physics students, lecturers and, last but not least, all those seeking a deeper understanding of the experimental basics of physics.

### **ESP8266 Internet of Things Cookbook**

Marco Schwartz 2017-04-27  
Exploring the low cost WiFi module About This Book Leverage the ESP8266's on-board processing and storage capability Get hands-on experience of working on the ESP8266 Arduino Core and its various libraries A practical and enticing recipe-based book that will teach you how to make your environment smart using the ESP8266 Who This Book

Is For This book is targeted at IOT enthusiasts who are well versed with electronics concepts and have a very basic familiarity with the ESP8266. Some experience with programming will be an advantage. What You Will Learn Measure data from a digital temperature and humidity sensor using the ESP8266 Explore advanced ESP8266 functionalities Control devices from anywhere in the world using MicroPython Troubleshoot issues with cloud data monitoring Tweet data from the Arduino board Build a cloud-connected power-switch with the ESP8266 Create an ESP8266 robot controlled from the cloud In Detail The ESP8266 Wi-Fi Module is a self contained System on Chip (SOC) with an integrated TCP/IP protocol stack and can give any microcontroller access to your Wi-Fi network. It is capable of either hosting an application or offloading all Wi-Fi networking functions

from another application processor. This book contains practical recipes that will help you master all ESP8266 functionalities. You will start by configuring and customizing the chip in line with your requirements. Then you will focus on core topics such as on-board processing, sensors, GPIOs, programming, networking, integration with external components, and so on. We will also teach you how to leverage Arduino using the ESP8266 and you'll learn about its libraries, file system, OTA updates, and so on. The book also provide recipes on web servers, testing, connecting with the cloud, and troubleshooting techniques. Programming aspects include MicroPython and how to leverage it to get started with the ESP8266. Towards the end, we will use these concepts and create an interesting project (IOT). By the end of the book, readers will be proficient enough to use the ESP8266 board

efficiently. Style and approach This recipe-based book will teach you to build projects using the ESP8266. *Network Security, Firewalls and VPNs* J. Michael Stewart 2013-07-15 PART OF THE NEW JONES & BARTLETT LEARNING INFORMATION SYSTEMS SECURITY & ASSURANCE SERIES Fully revised and updated with the latest data from the field, *Network Security, Firewalls, and VPNs*, Second Edition provides a unique, in-depth look at the major business challenges and threats that are introduced when an organization s network is connected to the public Internet. Written by an industry expert, this book provides a comprehensive explanation of network security basics, including how hackers access online networks and the use of Firewalls and VPNs to provide security countermeasures. Using examples and exercises, this book incorporates hands-on

activities to prepare the reader to disarm threats and prepare for emerging technologies and future attacks. Key Features: - Introduces the basics of network security exploring the details of firewall security and how VPNs operate -Illustrates how to plan proper network security to combat hackers and outside threats - Discusses firewall configuration and deployment and managing firewall security -Identifies how to secure local and internet communications with a VPN Instructor Materials for Network Security, Firewalls, VPNs include: PowerPoint Lecture Slides Exam Questions Case Scenarios/Handouts About the Series This book is part of the Information Systems Security and Assurance Series from Jones and Bartlett Learning. Designed for courses and curriculums in IT Security, Cybersecurity, Information Assurance, and Information

Systems Security, this series features a comprehensive, consistent treatment of the most current thinking and trends in this critical subject area. These titles deliver fundamental information-security principles packed with real-world applications and examples. Authored by Certified Information Systems Security Professionals (CISSPs), they deliver comprehensive information on all aspects of information security. Reviewed word for word by leading technical experts in the field, these books are not just current, but forward-thinking putting you in the position to solve the cybersecurity challenges not just of today, but of tomorrow, as well." *Psychiatry* John Geddes 2012-01-05 Rev. ed. of: *Psychiatry / Michael Gelder, Richard Mayou, John Geddes. 3rd ed. c2005.*  
**Essentials of Macroeconomics**  
Cognitive Psychology Ulric

Neisser 2014-11-27 First published in 1967, this seminal volume by Ulric Neisser was the first attempt at a comprehensive and accessible survey of Cognitive Psychology; as such, it provided the field with its first true textbook. Its chapters are organized so that they began with stimulus information that came 'inward' through the organs of sense, through its many transformations and reconstructions, and finally through to its eventual use in thought and memory. The volume inspired numerous students enter the field of cognitive psychology and some of the today's leading and most respected cognitive psychologists cite Neisser's book as the reason they embarked on their careers.

Laravel: Up & Running Matt Stauffer 2019-04-01 What sets Laravel apart from other PHP web frameworks? Speed and simplicity, for starters. This rapid application development

framework and its ecosystem of tools let you quickly build new sites and applications with clean, readable code. Fully updated to cover Laravel 5.8, the second edition of this practical guide provides the definitive introduction to one of today's mostpopular web frameworks. Matt Stauffer, a leading teacher and developer in the Laravel community, delivers a high-level overview and concrete examples to help experienced PHP web developers get started with this framework right away. This updated edition also covers Laravel Dusk and Horizon and provides information about community resources and other noncore Laravel packages. Dive into features, including: Blade, Laravel's powerful custom templating tool Tools for gathering, validating, normalizing, and filtering user-provideddata The Eloquent ORM for working

with application databases  
The role of the Illuminate  
request object in the  
application lifecycle  
PHPUnit, Mockery, and  
Dusk for testing your PHP  
code Tools for writing JSON  
and RESTful APIs Interfaces  
for filesystem access,  
sessions, cookies, caches,  
and search Tools for  
implementing queues, jobs,  
events, and WebSocket  
event publishing

**Creative Rationality and  
Innovation** Joelle Forest  
2018-01-03 This book urges  
us to be creative in our way  
of thinking about  
innovation. Adopting an  
artificial perspective, the  
author emphasizes creative  
rationality: a form of  
thought that encourages  
knowledge crossing and  
invites an adventurous  
transgression. The question  
of how such a form of  
thought might be developed  
is addressed through a  
detailed examination of the  
educational system. The  
book frees itself from many  
of the myths that surround

innovation, including the  
predominance of what the  
author calls the linear and  
hierarchical model.  
Day Trading For Canadians  
For Dummies Ann C. Logue  
2020-12-03 Purchase the  
power to trade smart  
Knowledge is power in any  
endeavor, and in the quick-  
action world of day  
trading—with roller-coaster  
markets, trade wars, and  
new tax laws inflating both  
opportunity and risk—being  
expertly informed is what  
gives you the power to trade  
fast with a cool head. The  
fully updated new edition of  
Day Trading For Canadians  
For Dummies—the first in  
almost a decade—gives you  
that knowledge, taking you  
from the basic machinery of  
short-term markets to  
building and sticking to a  
plan of action that keeps  
your bottom line sitting  
pretty. In an easy-to-follow,  
no-jargon style, award-  
winning business journalist  
Bryan Borzykowski provides  
a complete course in day  
trading. He covers the

basics—such as raising capital and protecting one’s principal investments—as well as specialized skills and knowledge, including risk-management strategies and ways to keep your emotions in check when you’re plugged into an overheating market. You’ll also find sample trading plans and important Canada-specific information, such as the best online brokerage firms, useful local resources, and an overview of the unique tax issues faced by Canadian traders. Evaluate strategy and performance Read market indicators Know your crypto Get your options For day traders, every second counts: With the help of Day Trading For Canadians For Dummies, you’ll know where you want to be and how to get there—and how best to profit—fast.

### **Run of the Red Queen**

Dan Breznitz 2011-01-01

Few observers are unimpressed by the

economic ambition of China or by the nation's remarkable rate of growth. But what does the future hold? This meticulously researched book closely examines the strengths and weaknesses of the Chinese economic system to discover where the nation may be headed and what the Chinese experience reveals about emerging market economies. The authors find that contrary to popular belief, cutting edge innovation is not a prerequisite for sustained economic vitality--and that China is a perfect case in point.

### **Cities as Sustainable Ecosystems**

Peter Newman 2012-09-26 Modern city dwellers are largely detached from the environmental effects of their daily lives. The sources of the water they drink, the food they eat, and the energy they consume are all but invisible, often coming from other continents, and their waste

ends up in places beyond their city boundaries. Cities as Sustainable Ecosystems shows how cities and their residents can begin to reintegrate into their bioregional environment, and how cities themselves can be planned with nature's organizing principles in mind. Taking cues from living systems for sustainability strategies, Newman and Jennings reassess urban design by exploring flows of energy, materials, and information, along with the interactions between human and non-human parts of the system. Drawing on examples from all corners of the world, the authors explore natural patterns and processes that cities can emulate in order to move toward sustainability. Some cities have adopted simple strategies such as harvesting rainwater, greening roofs, and producing renewable energy. Others have created biodiversity parks for

endangered species, community gardens that support a connection to their foodshed, and pedestrian-friendly spaces that encourage walking and cycling. A powerful model for urban redevelopment, Cities as Sustainable Ecosystems describes aspects of urban ecosystems from the visioning process to achieving economic security to fostering a sense of place.

*Strategic Management*

Forest R. David 2014-07-16

For undergraduate and graduate courses in strategy. In today's economy, gaining and sustaining a competitive advantage is harder than ever. Strategic Management captures the complexity of the current business environment and delivers the latest skills and concepts with unrivaled clarity, helping students develop their own cutting-edge strategy through skill-developing exercises. The Fifteenth Edition has been

thoroughly updated and revised with current research and concepts. This edition includes 29 new cases and end-of- chapter material, including added exercises and review questions.

MyManagementLab for Strategic Management is a total learning package. MyManagementLab is an online homework, tutorial, and assessment program that truly engages students in learning. It helps students better prepare for class, quizzes, and exams--resulting in better performance in the course--and provides educators a dynamic set of tools for gauging individual and class progress.

**Academic Literacy 3e** et al  
Litha Beekman 2019-12-17  
"Academic Literacy is an essential tool for people moving into the tertiary phase of education, to support the achievement of their goals. It covers all the necessary academic skills and competencies for

constructive and successful study - not only reading, writing, listening and verbal communication, but also critical thinking, possibly the core skill needed at this level of study. Other skills it aims to develop are: understanding and engaging in academic study; vocabulary; reading for study purposes; argument; paraphrasing and summarising; writing paragraphs; assignment writing; and preparing for examinations. New to the edition : An updated and expanded chapter on developing vocabulary and using dictionaries -- Renewed focus on critical thinking and reflective writing -- A refreshed chapter on writing paragraphs, including reflection on constructing effective paragraphs -- Supplemental text on assignment writing and referencing." --Publisher's description.

Oracle 12c: SQL Joan  
Casteel 2015-09-08

Introduce the latest version of the fundamental SQL language used in all relational databases today with Casteel's ORACLE 12C: SQL, 3E. Much more than a study guide, this edition helps those who have only a basic knowledge of databases master the latest SQL and Oracle concepts and techniques. Learners gain a strong understanding of how to use Oracle 12c SQL most effectively as they prepare for the first exam in the Oracle Database Administrator or Oracle Developer Certification Exam paths. This edition initially focuses on creating database objects, including tables, constraints, indexes, sequences, and more. The author then explores data query techniques, such as row filtering, joins, single-row functions, aggregate functions, subqueries, and views, as well as advanced query topics. ORACLE 12C: SQL, 3E introduces the latest features and

enhancements in 12c, from enhanced data types and invisible columns to new CROSS and OUTER APPLY methods for joins. To help readers transition to further studies, appendixes introduce SQL tuning, compare Oracle's SQL syntax with other databases, and overview Oracle connection interface tools: SQL Developer and SQL Plus. Readers can trust ORACLE 12C: SQL, 3E to provide the knowledge for Oracle certification testing and the solid foundation for pursuing a career as a successful database administrator or developer. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

*Cyber-security of SCADA and Other Industrial Control Systems* Edward J. M. Colbert 2016-08-23 This book provides a comprehensive overview of the fundamental security of

Industrial Control Systems (ICSs), including Supervisory Control and Data Acquisition (SCADA) systems and touching on cyber-physical systems in general. Careful attention is given to providing the reader with clear and comprehensive background and reference material for each topic pertinent to ICS security. This book offers answers to such questions as: Which specific operating and security issues may lead to a loss of efficiency and operation? What methods can be used to monitor and protect my system? How can I design my system to reduce threats? This book offers chapters on ICS cyber threats, attacks, metrics, risk, situational awareness, intrusion detection, and security testing, providing an advantageous reference set for current system owners who wish to securely configure and operate their ICSs. This book is appropriate for non-

specialists as well. Tutorial information is provided in two initial chapters and in the beginnings of other chapters as needed. The book concludes with advanced topics on ICS governance, responses to attacks on ICS, and future security of the Internet of Things.

**Internet of Things with Arduino** Marco Schwartz  
2015-03-18

Museum Management and Marketing Richard Sandell  
2007-04-11 Drawing together a selection of high quality, intellectually robust and stimulating articles on both theoretical and practice-based developments in the field, this Reader investigates the closely linked areas of management and marketing in the museum. The articles, from established and world-renowned contributors, practitioners and writers at the leading edge of their fields, deal with the museum context of management and how

marketing and management practices must take account of the specifics of the museum and the not-for-profit ethos. Key writings from broader literature are included, and the collection of key writings on the investigation and study of management and marketing in the museum are of great benefit not only to those studying the subject, but also to professionals working and developing within the field.

*Diagramming the Big Idea*

Michael T. Swisher

2012-06-25 As a beginning design student, you need to learn to think like a designer, to visualize ideas and concepts, as well as objects. In the second edition of *Diagramming the Big Idea*, Jeffrey Balmer and Michael T. Swisher illustrate how you can create and use diagrams to clarify your understanding of both particular projects and organizing principles and ideas. With accessible, step-by-step exercises that

interweave full color diagrams, drawings and virtual models, the authors clearly show you how to compose meaningful and useful diagrams. As you follow the development of the four project groups drawn from the authors' teaching, you will become familiar with architectural composition concepts such as proportion, site, form, hierarchy and spatial construction. In addition, description and demonstration essays extend concepts to show you more examples of the methods used in the projects. Whether preparing for a desk critique, or any time when a fundamental insight can help to resolve a design problem, this new and expanded edition is your essential studio resource.

Mobile Terminal Receiver Design

Sajal Kumar Das  
2017-05-01 Combines in one volume the basics of evolving radio access technologies and their

implementation in mobile phones Reviews the evolution of radio access technologies (RAT) used in mobile phones and then focuses on the technologies needed to implement the LTE (Long term evolution) capability Coverage includes the architectural aspects of the RF and digital baseband parts before dealing in more detail with some of the hardware implementation Unique coverage of design parameters and operation details for LTE-A phone transceiver Discusses design of multi-RAT Mobile with the consideration of cost and form factors Provides in one book a review of the evolution of radio access technologies and a good overview of LTE and its implementation in a handset Unveils the concepts and research updates of 5G technologies and the internal hardware and software of a 5G phone *Cine-scapes* Richard Koeck 2013 *Cine-scapes* explores

the relationship between urban space, architecture and the moving image. While an impressive amount of research has been done with regards to the way in which architecture is portrayed in film, this book offers a new perspective.... What happens if we begin to see the city as a place for an embodied visual consumption; a visual apparatus or, perhaps, a system that is based on movement, light and the body, and which we can explore in kinematic, kinetic, and kinaesthetic ways? Using film as a lens through which we look at urban spaces and places, Richard Koeck reveals the filmic and cinematic phenomena and spatial qualities that are present in postmodern landscapes, and which are perhaps otherwise disregarded or merely passively consumed. Drawing on the author's extensive knowledge derived from architectural and film practice, Cine-

scapes: offers insight into architecture and urban debates through the eyes of a practitioner working in the fields of film and architectural design emphasizes how filmic/cinematic tendencies take place or find their way into urban practices can be used as a tool for educators, students and practitioners in architecture and urban design to communicate and discuss design issues with regard to contemporary architecture and cities Cine-scapes ignites new ways of seeing, thinking and debating the nature of architecture and urban spaces.

**Mindshift** Barbara Oakley, PhD 2017-04-18 Mindshift reveals how we can overcome stereotypes and preconceived ideas about what is possible for us to learn and become. At a time when we are constantly being asked to retrain and reinvent ourselves to adapt to new technologies and changing industries, this

book shows us how we can uncover and develop talents we didn't realize we had—no matter what our age or background. We're often told to "follow our passions." But in Mindshift, Dr. Barbara Oakley shows us how we can broaden our passions. Drawing on the latest neuroscientific insights, Dr. Oakley shepherds us past simplistic ideas of "aptitude" and "ability," which provide only a snapshot of who we are now—with little consideration about how we can change. Even seemingly "bad" traits, such as a poor memory, come with hidden advantages—like increased creativity. Profiling people from around the world who have overcome learning limitations of all kinds, Dr. Oakley shows us how we can turn perceived weaknesses, such as impostor syndrome and advancing age, into strengths. People may feel like they're at a disadvantage if they pursue

a new field later in life; yet those who change careers can be fertile cross-pollinators: They bring valuable insights from one discipline to another. Dr. Oakley teaches us strategies for learning that are backed by neuroscience so that we can realize the joy and benefits of a learning lifestyle. Mindshift takes us deep inside the world of how people change and grow. Our biggest stumbling blocks can be our own preconceptions, but with the right mental insights, we can tap into hidden potential and create new opportunities.

### **Big Farms Make Big Flu**

Rob Wallace 2016-06-30

Thanks to breakthroughs in production and food science, agribusiness has been able to devise new ways to grow more food and get it more places more quickly. There is no shortage of news items on hundreds of thousands of hybrid poultry - each animal genetically identical to the

next - packed together in megabarns, grown out in a matter of months, then slaughtered, processed and shipped to the other side of the globe. Less well known are the deadly pathogens mutating in, and emerging out of, these specialized agro-environments. In fact, many of the most dangerous new diseases in humans can be traced back to such food systems, among them *Campylobacter*, Nipah virus, Q fever, hepatitis E, and a variety of novel influenza variants.

Agribusiness has known for decades that packing thousands of birds or livestock together results in a monoculture that selects for such disease. But market economics doesn't punish the companies for growing Big Flu - it punishes animals, the environment, consumers, and contract farmers. Alongside growing profits, diseases are permitted to emerge, evolve, and spread with little check. "That is,"

writes evolutionary biologist Rob Wallace, “it pays to produce a pathogen that could kill a billion people.” In *Big Farms Make Big Flu*, a collection of dispatches by turns harrowing and thought-provoking, Wallace tracks the ways influenza and other pathogens emerge from an agriculture controlled by multinational corporations. Wallace details, with a precise and radical wit, the latest in the science of agricultural epidemiology, while at the same time juxtaposing ghastly phenomena such as attempts at producing featherless chickens, microbial time travel, and neoliberal Ebola. Wallace also offers sensible alternatives to lethal agribusiness. Some, such as farming cooperatives, integrated pathogen management, and mixed crop-livestock systems, are already in practice off the agribusiness grid. While many books cover facets of food or outbreaks, Wallace's

collection appears the first to explore infectious disease, agriculture, economics and the nature of science together. *Big Farms Make Big Flu* integrates the political economies of disease and science to derive a new understanding of the evolution of infections. Highly capitalized agriculture may be farming pathogens as much as chickens or corn. *Guide to OSI and TCP/IP Models* Mohammed M. Alani 2014-07-08 This work opens with an accessible introduction to computer networks, providing general definitions of commonly used terms in networking. This is followed by a detailed description of the OSI model, including the concepts of connection-oriented and connectionless communications. The text carefully elaborates the specific functions of each layer, along with what is expected of protocols operating at each layer. Next, the journey of a single

packet, from source to destination, is described in detail. The final chapter is devoted to the TCP/IP model, beginning with a discussion of IP protocols and the supporting ARP, RARP and In ARP protocols. The work also discusses the TCP and UDP protocols operating at the transport layer and the application layer protocols HTTP, DNS, FTP, TFTP, SMTP, POP3 and Telnet. Important facts and definitions are highlighted in gray boxes found throughout the text.

**The Care of Wounds** Carol Dealey 2012-03-19 The Care of Wounds addresses all aspects of holistic wound management. The fourth edition of this successful clinical text continues to reflect current research and evidence-based practice, while incorporating the considerable developments which have occurred in wound care practice since the previous edition. It includes chapters on the physiology of wound

healing, general principles of wound management, wound management products, and the management of patients with both acute and chronic wounds. The title is an essential read for all nurses and healthcare professionals working in the field of tissue viability and wound healing.

Comprehensive and clinically-oriented Examines best practice in wound management Incorporates national and international clinical guidelines where applicable Superbly illustrated with full colour throughout

Linkers and Loaders John R. Levine 2000 "I enjoyed reading this useful overview of the techniques and challenges of implementing linkers and loaders. While most of the examples are focused on three computer architectures that are widely used today, there are also many side comments about interesting and quirky computer architectures of

the past. I can tell from these war stories that the author really has been there himself and survived to tell the tale." -Guy Steele

Whatever your programming language, whatever your platform, you probably tap into linker and loader functions all the time. But do you know how to use them to their greatest possible advantage? Only now, with the publication of *Linkers & Loaders*, is there an authoritative book devoted entirely to these deep-seated compile-time and run-time processes. The book begins with a detailed and comparative account of linking and loading that illustrates the differences among various compilers and operating systems. On top of this foundation, the author presents clear practical advice to help you create faster, cleaner code. You'll learn to avoid the pitfalls associated with Windows DLLs, take advantage of the space-

saving, performance-improving techniques supported by many modern linkers, make the best use of the UNIX ELF library scheme, and much more. If you're serious about programming, you'll devour this unique guide to one of the field's least understood topics. *Linkers & Loaders* is also an ideal supplementary text for compiler and operating systems courses.

Features:

- \* Includes a linker construction project written in Perl, with project files available for download.
- \* Covers dynamic linking in Windows, UNIX, Linux, BeOS, and other operating systems.
- \* Explains the Java linking model and how it figures in network applets and extensible Java code.
- \* Helps you write more elegant and effective code, and build applications that compile, load, and run more efficiently.

**Linux Bible** Christopher Negus 2012-09-07 More than 50 percent new and revised content for today's

Linux environment gets you up and running in no time! Linux continues to be an excellent, low-cost alternative to expensive operating systems. Whether you're new to Linux or need a reliable update and reference, this is an excellent resource. Veteran bestselling author Christopher Negus provides a complete tutorial packed with major updates, revisions, and hands-on exercises so that you can confidently start using Linux today. Offers a complete restructure, complete with exercises, to make the book a better learning tool Places a strong focus on the Linux command line tools and can be used with all distributions and versions of Linux Features in-depth coverage of the tools that a power user and a Linux administrator need to get started This practical learning tool is ideal for anyone eager to set up a new Linux desktop system

at home or curious to learn how to manage Linux server systems at work.

**Mongodb in Action** Kyle Banker 2015-01-15  
Application developers love MongoDB, a document-oriented NoSQL database, for its speed, flexibility, scalability, and ease of use. MongoDB is well-suited as a back-end for modern web applications. Its schema-free design encourages rapid application development, and built-in replication and auto-sharding architecture allow for massive parallel distribution. Production deployments at SourceForge, Foursquare, and Shutterfly demonstrate daily that MongoDB is up to real-world challenges. **MongoDB in Action, Second Edition** is a comprehensive guide to MongoDB version 2.6. It begins with a general overview of current database systems, explaining what makes MongoDB unique and describing its ideal use

cases. Then, a series of tutorials lead into detailed examples for leveraging MongoDB in e-commerce, social networking, and other common applications. A reference section on schema design patterns helps ease the transition from the relational data model of SQL to MongoDB's document-based data model. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book.

*The Oxford Handbook of American Bureaucracy*  
Robert F. Durant  
2012-08-02 One of the major dilemmas facing the administrative state in the United States today is discerning how best to harness for public purposes the dynamism of markets, the passion and commitment of nonprofit and volunteer organizations, and the public-interest-oriented expertise of the career civil service.

Researchers across a variety of disciplines, fields, and subfields have independently investigated aspects of the formidable challenges, choices, and opportunities this dilemma poses for governance, democratic constitutionalism, and theory building. This literature is vast, affords multiple and conflicting perspectives, is methodologically diverse, and is fragmented. The Oxford Handbook of American Bureaucracy affords readers an uncommon overview and integration of this eclectic body of knowledge as adduced by many of its most respected researchers. Each of the chapters identifies major issues and trends, critically takes stock of the state of knowledge, and ponders where future research is most promising. Unprecedented in scope, methodological diversity, scholarly viewpoint, and substantive integration, this

volume is invaluable for assessing where the study of American bureaucracy stands at the end of the first decade of the 21st century, and where leading scholars think it should go in the future. The Oxford Handbooks of American Politics are a set of reference books offering authoritative and engaging critical overviews of the state of scholarship on American politics. Each volume focuses on a particular aspect of the field. The project is under the General Editorship of George C. Edwards III, and distinguished specialists in their respective fields edit each volume. The Handbooks aim not just to report on the discipline, but also to shape it as scholars critically assess the scholarship on a topic and propose directions in which it needs to move. The series is an indispensable reference for anyone working in American politics. General Editor for

The Oxford Handbooks of American Politics: George C. Edwards III  
*The Hundred-page Machine Learning Book* Andriy Burkov 2019 Provides a practical guide to get started and execute on machine learning within a few days without necessarily knowing much about machine learning. The first five chapters are enough to get you started and the next few chapters provide you a good feel of more advanced topics to pursue.

**Introduction to Statistics and Data Analysis** Roxy Peck 2005-12 Roxy Peck, Chris Olsen and Jay Devore's new edition uses real data and attention-grabbing examples to introduce students to the study of statistical output and methods of data analysis. Based on the best-selling STATISTICS: THE EXPLORATION AND ANALYSIS OF DATA, Fifth Edition, this new INTRODUCTION TO

STATISTICS AND DATA ANALYSIS, Second Edition integrates coverage of the graphing calculator and includes expanded coverage of probability. Traditional in structure yet modern in approach, this text guides students through an intuition-based learning process that stresses interpretation and communication of statistical information. Conceptual comprehension is cemented by the simplicity of notation-frequently substituting words for symbols. Simple notation helps students grasp concepts. Hands-on activities and Seeing Statistics applets in each chapter allow students to practice statistics firsthand.

**Aircraft Digital Electronic and Computer Systems** Michael H. Tooley 2007 'Aircraft Digital Electronic and Computer Systems' provides an introduction to the principles of this subject. It is written for anyone pursuing a career in aircraft

maintenance engineering or a related aerospace engineering discipline.

Hibernate Recipes Gary Mak 2010-08-11 Hibernate continues to be the most popular out-of-the-box framework solution for Java Persistence and data/database accessibility techniques and patterns. It is used for e-commerce-based web applications as well as heavy-duty transactional systems for the enterprise. Gary Mak, the author of the best-selling Spring Recipes, now brings you Hibernate Recipes. This book contains a collection of code recipes and templates for learning and building Hibernate solutions for you and your clients. This book is your pragmatic day-to-day reference and guide for doing all things involving Hibernate. There are many books focused on learning Hibernate, but this book takes you further and shows how you can apply it practically in your daily

work.

Contextualizing Translation

Theories Ali Almana

2015-09-10 Contextualizing

Translation Theories:

Aspects of Arabic-English

Interlingual Communication

provides critical readings of

available strategies of

translating, ranging from

the familiar concept of

equivalence, to strategies of

modulation, domestication,

foreignization and mores of

translation. As such, this

volume demonstrates to the

reader the pros and cons of

each of these strategies

within a theoretical context

that is augmented by

translational tasks and

examples, most derived

from actual textual data.

*Mastering Parallel*

*Programming with R* Simon

R. Chapple 2016-05-31

Master the robust features

of R parallel programming

to accelerate your data

science computations About

This Book Create R

programs that exploit the

computational capability of

your cloud platforms and

computers to the fullest

Become an expert in writing

the most efficient and

highest performance

parallel algorithms in R Get

to grips with the concept of

parallelism to accelerate

your existing R programs

Who This Book Is For This

book is for R programmers

who want to step beyond its

inherent single-threaded

and restricted memory

limitations and learn how to

implement highly

accelerated and scalable

algorithms that are a

necessity for the performant

processing of Big Data. No

previous knowledge of

parallelism is required. This

book also provides for the

more advanced technical

programmer seeking to go

beyond high level parallel

frameworks. What You Will

Learn Create and structure

efficient load-balanced

parallel computation in R,

using R's built-in parallel

package Deploy and utilize

cloud-based parallel

infrastructure from R,

including launching a

distributed computation on Hadoop running on Amazon Web Services (AWS) Get accustomed to parallel efficiency, and apply simple techniques to benchmark, measure speed and target improvement in your own code Develop complex parallel processing algorithms with the standard Message Passing Interface (MPI) using RMPI, pbdMPI, and SPRINT packages Build and extend a parallel R package (SPRINT) with your own MPI-based routines Implement accelerated numerical functions in R utilizing the vector processing capability of your Graphics Processing Unit (GPU) with OpenCL Understand parallel programming pitfalls, such as deadlock and numerical instability, and the approaches to handle and avoid them Build a task farm master-worker, spatial grid, and hybrid parallel R programs In Detail R is one of the most popular

programming languages used in data science. Applying R to big data and complex analytic tasks requires the harnessing of scalable compute resources. Mastering Parallel Programming with R presents a comprehensive and practical treatise on how to build highly scalable and efficient algorithms in R. It will teach you a variety of parallelization techniques, from simple use of R's built-in parallel package versions of lapply(), to high-level AWS cloud-based Hadoop and Apache Spark frameworks. It will also teach you low level scalable parallel programming using RMPI and pbdMPI for message passing, applicable to clusters and supercomputers, and how to exploit thousand-fold simple processor GPUs through ROpenCL. By the end of the book, you will understand the factors that influence parallel efficiency, including assessing code performance

and implementing load balancing; pitfalls to avoid, including deadlock and numerical instability issues; how to structure your code and data for the most appropriate type of parallelism for your problem domain; and how to extract the maximum performance from your R code running on a variety of computer systems. Style and approach This book leads you chapter by chapter from the easy to more complex forms of parallelism. The author's insights are presented through clear practical examples applied to a range of different problems, with comprehensive reference information for each of the R packages employed. The book can be read from start to finish, or by dipping in chapter by chapter, as each chapter describes a specific parallel approach and technology, so can be read as a standalone.

*Computer Networking*

Olivier Bonaventure

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Internet of Things with Arduino Cookbook Marco Schwartz 2016-09-30 Over 60 recipes will help you build smart IoT solutions and surprise yourself with captivating IoT projects you thought only existed in Bond movies About This Book This book offers key solutions and advice to address the hiccups faced when working on Arduino-based IoT projects in the real world Take your existing skills and capabilities to the next level by building challenging IoT applications with ease. Be the tech disruptor you always wanted to be with key recipes that help you solve Arduino IoT related problems smarter and faster. Put IoT to work through recipes on building Arduino-based devices that take control of your home, health, and life! Who This Book Is For This book is primarily for tech enthusiasts and early IoT adopters who would like to make the most of IoT and

address the challenges encountered while developing IoT-based applications with Arduino. This book is also good for developers with basic electronics knowledge who need help to successfully build Arduino projects. What You Will Learn Monitor several Arduino boards simultaneously Tweet sensor data directly from your Arduino board Post updates on your Facebook wall directly from your Arduino board Create an automated access control with a fingerprint sensor Control your entire home from a single dashboard Make a GPS tracker that you can track in Google Maps Build a live camera that streams directly from your robot In Detail Arduino is a powerful and very versatile platform used by millions of people around the world to create DIY electronics projects. It can be connected to a wide variety of sensors and other components, making it the

ideal platform to build amazing Internet of Things (IoT) projects on—the next wave in the era of computing. This book takes a recipe-based approach, giving you precise examples on how to build IoT projects of all types using the Arduino platform. You will come across projects from several fields, including the popular robotics and home automation domains. Along with being introduced to several forms of interactions within IoT, including projects that directly interact with well-known web services such as Twitter, Facebook, and Dropbox we will also focus on Machine-to-Machine (M2M) interactions, where Arduino projects interact without any human intervention. You will learn to build a few quick and easy-to-make fun projects that will really expand your horizons in the world of IoT and Arduino. Each chapter ends with a troubleshooting recipe that will help you

overcome any problems faced while building these projects. By the end of this book, you will not only know how to build these projects, but also have the skills necessary to build your own IoT projects in the future. Style and approach This book takes a recipe-based approach, giving you precise examples on how to build IoT projects using the Arduino platform. You will learn to build fun and easy projects through a task-oriented approach.

*Understanding the Corporate Annual Report*

Lyn M. Fraser 2003 For courses in Financial Accounting, Financial Reporting, Financial Statement Analysis, Introduction to Business, or MBA finance courses.

*Understanding the Corporate Annual Report: Nuts, Bolts, and A Few Loose Screws* provides a clearly written, step-by-step guide to understanding corporate annual reports.

Authors Fraser and

Ormiston instruct readers on how to ignore the PR letters from the corporate management team, engaging graphics, and other "garnishes" that typically accompany current annual reports in order to focus on what really counts- a company's performance and financial health!

Throughout the text, the authors examine management's attempts to manipulate earnings and other performance measures, and they explain what the numbers in the report really mean.

**Forrest Mims Engineer's Notebook** Forrest Mims 1992-08-15 The book features: carefully hand-drawn circuit illustrations hundreds of fully tested circuits tutorial on electronics basics tips on part substitutions, design modifications, and circuit operation All covering the following areas: Review of the Basics Digital Integrated Circuits MOS/CMOS Integrated

Circuits TTL/LS Integrated Circuits Linear Integrated Circuits Index of Integrated Circuits Index of Circuit Applications

**Mentor Myth** Debby Carreau 2016-11-03 Mentors are over-utilized, under-trained and, as studies show, under-deliver.

From an employer's perspective, assigning a mentor is often a band-aid to a larger problem. From an employee's perspective, a lack of formal mentorship is seen as a serious, career-inhibiting problem, the equivalent of sailing a boat without a rudder. In The Mentor Myth, Debby Carreau represents this dichotomy, explaining that while a mentor's counsel can be invaluable, it is not the silver bullet human resources professionals often purport it to be. The opinions of a mentor are one data point, one piece in the much more complex game of navigating a career. In fact, the increasing overreliance on

mentorship can actually be a hindrance to a successful career. Instead of continually looking outward for career guidance, aspiring professionals must realize that they possess all the tools necessary to take control of their own careers by using their own strengths, capabilities, and visions of success. Through her years of experience consulting, speaking, and writing about career development, Debby has

created a comprehensive, easy-to-implement guide for taking ownership of your professional success. Debby begins by helping the reader create a professional roadmap, including how to build a personal brand, project the right amount of confidence, and manage time. She addresses mentors in the context of networks and sponsors, advising the reader how to incorporate outward influences rather than be defined by them.