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BACnet - H. Michael Newman 2013-08-05
This new book, by the original developer of the BACnet standards, explains how BACnet's protocols manage all basic building functions in a seamless, integrated way. BACnet is a data communication protocol for building automation and control systems, developed within ASHRAE in cooperation with ANSI and the ISO. This book explains how BACnet works with all major control systems--including those made by Honeywell, Siemens, and Johnson Controls--to manage everything from heating to ventilation to lighting to fire control and alarm systems. BACnet is used today throughout the world for commercial and institutional buildings with complex mechanical and electrical systems. Contractors, architects, building systems engineers, and facilities managers must all be

cognizant of BACnet and its applications. With a real 'seat at the table,' you'll find it easier to understand the intent and use of each of the data sharing techniques, controller requirements, and opportunities for interoperability between different manufacturers' controllers and systems. Highlights include: * A review of the history of BACnet and its essential features, including the object model, data links, network technologies, and BACnet system configurations; * Comprehensive coverage of services including object access, file access, remote device management, and BACnet-2012's new alarm and event capabilities; * Insight into future directions for BACnet, including wireless networking, network security, the use of IPv6, extensions for lifts and escalators, and a new set of BACnet Web Services; * Extensive reference appendices for all objects and services; and * Acronyms and abbreviations
Handbook of Magnetic Materials - K.H.J.
Buschow 2001
Volume 13 of the Handbook of Magnetic Materials, as the preceding volumes, has a dual purpose. As a textbook it is intended to be of assistance to those who wish to be introduced to a given topic in the field of magnetism without the need to read the vast amount of literature published. As a work of reference it is intended for scientists active in magnetism research. To this dual purpose, Volume 13 of the Handbook is composed of topical review articles written by leading authorities. In each of these articles an extensive description is given in graphical as well as in tabular form, much emphasis being placed on the discussion of the experimental material in the framework of physics, chemistry and material science. In Chapter 1 of this volume a general review of the experimental work on interlayer exchange coupling is presented along with a discussion of the current understanding of this field. There exists an extensive amount of scientific efforts devoted to

4f and 5f systems, including experimental and theoretical, as well as basic and applied research. Chapter 2 aims at reviewing a part of these efforts from the viewpoint of microscopic theory. Special attention is paid to the many new developments in the field. One of the intentions is to bring to the fore the darker areas of DFT theory applications. A review of novel experimental results and first-principle energy-band calculations of MOKE spectra will be presented in Chapter 3. Conventional co-operative phenomena, such as long-range order and elementary excitation, have realisations in nonmagnetic situations. This applies also to the phenomena of geometrical frustration. In Chapter 4 this topic is addressed by developing the basic principles underlying the magnetic phenomena.

The Art of Talk - Art Bell 1998-07
Intensely private radio personality Art Bell, who lives in the middle of the desert 65 miles west of Las Vegas--where he broadcasts his radio shows--finally comes forward with his fascinating autobiography.

Pressure Gauges and Gauge Attachments - American National Standards Institute 2000

The PC Engineer's Reference Book - Phil Croucher 1996

Fundamentals of IoT and Wearable Technology Design - Haider Raad 2021-01-20
Explore this indispensable guide covering the fundamentals of IOT and wearable devices from a leading voice in the field Fundamentals of IoT and Wearable Technology Design delivers a comprehensive exploration of the foundations of the Internet of Things (IoT) and wearable technology. Throughout the textbook, the focus is on IoT and wearable technology and their applications, including mobile health, environment, home automation, and smart living. Readers will learn about the most recent developments in the design and prototyping of

these devices. This interdisciplinary work combines technical concepts from electrical, mechanical, biomedical, computer, and industrial engineering, all of which are used in the design and manufacture of IoT and wearable devices. Fundamentals of IoT and Wearable Technology Design thoroughly investigates the foundational characteristics, architectural aspects, and practical considerations, while offering readers detailed and systematic design and prototyping processes of typical use cases representing IoT and wearable technology. Later chapters discuss crucial issues, including PCB design, cloud and edge topologies, privacy and health concerns, and regulatory policies. Readers will also benefit from the inclusion of: A thorough introduction to the applications of IoT and wearable technology, including biomedicine and healthcare, fitness and wellbeing, sports, home automation, and more Discussions of wearable components and technologies, including microcontrollers and microprocessors, sensors, actuators and communication modules An exploration of the characteristics and basics of the communication protocols and technologies used in IoT and wearable devices An overview of the most important security challenges, threats, attacks and vulnerabilities faced by IoT and wearable devices along with potential solutions Perfect for research and development scientists working in the wearable technology and Internet of Things spaces, Fundamentals of IoT and Wearable Technology Design will also earn a place in the libraries of undergraduate and graduate students studying wearable technology and IoT, as well as professors and practicing technologists in the area.

Darling Babies - Marianne Borgardt 1994-01-01

Virtual Honeypots - Niels Provos 2007-07-16 Honeypots have demonstrated immense value in Internet security, but physical honeypot deployment can be prohibitively complex, time-

consuming, and expensive. Now, there's a breakthrough solution. Virtual honeypots share many attributes of traditional honeypots, but you can run thousands of them on a single system-making them easier and cheaper to build, deploy, and maintain. In this hands-on, highly accessible book, two leading honeypot pioneers systematically introduce virtual honeypot technology. One step at a time, you'll learn exactly how to implement, configure, use, and maintain virtual honeypots in your own environment, even if you've never deployed a honeypot before. You'll learn through examples, including Honeyd, the acclaimed virtual honeypot created by coauthor Niels Provos. The authors also present multiple real-world applications for virtual honeypots, including network decoy, worm detection, spam prevention, and network simulation. After reading this book, you will be able to Compare high-interaction honeypots that provide real systems and services and the low-interaction honeypots that emulate them Install and configure Honeyd to simulate multiple operating systems, services, and network environments Use virtual honeypots to capture worms, bots, and other malware Create high-performance "hybrid" honeypots that draw on technologies from both low- and high-interaction honeypots Implement client honeypots that actively seek out dangerous Internet locations Understand how attackers identify and circumvent honeypots Analyze the botnets your honeypot identifies, and the malware it captures Preview the future evolution of both virtual and physical honeypots

Wild LA - Natural History Museum of Los Angeles County 2019-03-19
Los Angeles may have a reputation as a concrete jungle, but in reality, it's incredibly biodiverse, teeming with an amazing array of animals and plants. You just need to know where to find them. Wild LA—from the experts at the Natural History Museum of Los Angeles County—is the

guidebook you've been waiting for. Equal parts natural history book, field guide, and trip planner, Wild LA has something for everyone. You'll learn about the factors shaping LA nature—including flood, fire, and climate change—and find profiles of over one hundred local species, from sea turtles to rare plants to Hollywood's famous mountain lion, P-22. Also included are day trips that detail which natural wonders you can experience on hiking trails, in public parks, and in your own backyard.

Rath and Storm - Peter Archer 2018-03-27 Gerrard's Legacy A collection of powerful magical artifacts is the only defense against the forces of evil that are arrayed against Dominaria. Gerrard, the heir to the Legacy, together with Sisay, captain of the flying ship Weatherlight, has sought out many parts of the Legacy. Gerrard's Quest Sisay has been kidnapped by Volrath, ruler of the plane of Rath. Gerrard stands at a crossroads. His companion is in danger, the Legacy may be lost forever.

Only he—with the loyal crew of the Weatherlight— can rescue Sisay and recover the Legacy.

Household and Similar Electrical Appliances. Safety. Particular Requirements for Spin Extractors - British Standards Institute Staff 1912-01-13
Electrical safety, Water extractors (laundry), Safety measures, Motor-operated household appliances, Electrically-operated devices, Performance testing, Household equipment, Electrical household appliances, Leak tests, Protected electrical equipment, Laundry equipment, Endurance testing, Impact testing, Stability, Mechanical testing, Domestic safety, Testing conditions, Watertightness tests

General Microbiology - S. B. Sullia 2019-01-30 This is a thoroughly revised edition of the very popular book. Contents: Introduction to Microbiology / Microbial Diversity and Taxonomy / Methods in Microbiology / The Eukaryotic Microorganisms / The Structure and

Organization of Bacteria / The Domain Archaea / Viruses, Viroids and Prions / Basic Concepts in Biochemistry / Microbial Growth and Metabolism / Microbial Genetics / Genetic Engineering and Biotechnology / Soil Microbiology / Atmospheric and Aquatic Microbiology / Agricultural Microbiology / Dairy and Food Microbiology / Food Microbiology / Industrial Microbiology / Immunology / Microbial Diseases of Man and Chemotherapy / Review Questions

Engineering Economic Analysis - Donald G. Newnan 2018-02-05
Praised for its accessible tone and extensive problem sets, this trusted text familiarizes students with the universal principles of engineering economics. This essential introduction features a wealth of specific Canadian examples and has been fully updated with new coverage of inflation andenvironmental stewardship as well as a new chapter on project management.

Energy and Analytics - John J. "Jack" McGowan, CEM 2015-08-01
This book details how to leverage big data style analytics to manage and coordinate the key issues in both energy supply and demand. It presents a detailed explanation of the underlying systems technology that enables big data in buildings and how this technology provides added cost benefit from efficiency, onsite solar, and electricity markets. It is a primer on Building Automation Systems Standards, web services and electricity markets and programs plus a complete tutorial on energy analytics hardware, software, and Internet-enabled offerings that energy managers must understand today.

The Bios Companion - Phil Croucher 2001
This text describes the functions that the BIOS controls and how these relate to the hardware in a PC. It covers the CMOS and chipset set-up options found in most common modern BIOSs. It also features tables listing error codes needed to

troubleshoot problems caused by the BIOS.

Dependable Computing - Ravishankar K. Iyer 2020-11-17
The only recent book on dependability/fault-tolerance that covers both software and hardware aspects of dependability, Dependable Computing Design and Assessment addresses the new reality of dependability. After a discussion of reliability, availability, and hardware and software fault models, the authors explore hardware redundancy, coding techniques, processor-level error detection and recovery, checkpoint and recovery, software fault tolerance techniques, and network-specific issues. Ideal for both students and practitioners, the capabilities and applicability of all techniques are illustrated with examples of actual applications and systems.

HVAC Maintenance and Operations Handbook - Robert C. Rosaler 1998
Keep your HVAC system running in peak condition—and avoid costly breakdowns and inefficiencies. Just turn to this first comprehensive guide to the proper maintenance, operations, and performance of heating, ventilating, and air conditioning (HVAC) systems and related components. Written by a team of leading HVAC pros, the handbook provides everything you need to effectively operate and maintain heating equipment...distribution equipment...cooling systems...pumps...valves...and boilers. It also provides proper procedures for indoor air quality (IAQ) control and system commissioning.

Internet of Things. User-Centric IoT - Raffaele Giaffreda 2015-06-25
The two-volume set LNICST 150 and 151 constitutes the thoroughly refereed post-conference proceedings of the First International Internet of Things Summit, IoT360 2014, held in Rome, Italy, in October 2014. This volume contains 74 full papers carefully reviewed and selected from 118 submissions at the following four conferences: the First

International Conference on Cognitive Internet of Things Technologies, COIOTE 2014; the First International Conference on Pervasive Games, PERGAMES 2014; the First International Conference on IoT Technologies for HealthCare, HealthyIoT 2014; and the First International Conference on IoT as a Service, IoTaaS 2014. The papers cover the following topics: user-centric IoT; artificial intelligence techniques for the IoT; the design and deployment of pervasive games for various sectors, such as health and wellbeing, ambient assisted living, smart cities and societies, education, cultural heritage, and tourism; delivery of electronic healthcare; patient care and medical data management; smart objects; networking considerations for IoT; platforms for IoTaaS; adapting to the IoT environment; modeling IoTaaS; machine to machine support in IoT.

Top 10 Seoul - DK Travel 2017-06-01 Your Guide to the 10 Best of Everything in Seoul Discover the best of everything South Korea's capital city has to offer with the essential DK Eyewitness Top 10 Travel Guide Seoul. Top 10 lists showcase the best places to visit in Seoul, from Dongdaemun market to the grand royal palace of Gyeongbokgung. Seven easy-to-follow itineraries explore the city's most interesting areas - from the arty district of Insadong to Bukhansan National Park - while reviews of the best hotels, shops and restaurants in Seoul will help you plan your perfect trip.

Power Piping - 2018

Jack McAfghan - Kate McGahan 2015-04-02 An expert communicator, Jack McAfghan writes the memoirs of his four-legged life as a mixed-breed Afghan Hound. From obedience and agility training to hospice work, Jack and his master learn their lessons side by side, inevitably applying what they have learned as their own lives unfold. It is a love story that can be used as an informal study guide for those who are in the process of training a dog, learning to

love, or grieving over the loss of a friend.Jack presents with a wise, open and informed mind. He speaks firsthand about the psychological aspects of canine behavior as he opens the reader's mind to the possibilities that exist in life and after death. He reminds us that the way we think can change the course of our lives.This story will touch everyone who has ever loved. It matters not if they have four legs or two. Jack leads us to a higher love as he expands our tolerance and compassion for all of humanity. He extends himself to every creature of the earth, every human on the planet, every spirit in the universe and most of all, to the bona fide Master over all.

TExES Core Subjects EC-6 Mathematics (802) Exercise Book 2020-2021 - Reza Nazari
Get ready for the TExES Core Subjects EC-6 Mathematics Test with a PERFECT Math Workbook! TExES Core Subjects EC-6 Mathematics (802) Exercise Book 2020-2021, which reflects the 2020 - 2021 test guidelines, represents extensive exercises, math problems, sample TExES questions, and quizzes with answers and detailed solutions to help you hone your math skills, overcome your exam anxiety, boost your confidence—and do your best to ace the TExES Math test. The surest way to succeed on the TExES Math Test is with intensive practice in every math concept tested—and that's what you will get in TExES Core Subjects EC-6 Mathematics (802) Exercise Book 2020-2021. Not only does this comprehensive exercise book review all math topics you will need to defeat the TExES Math test, but it also offers two full-length and realistic TExES Math tests that reflect the format and question types on the TExES to help you check your exam-readiness and identify where you need more practice. This comprehensive exercise book for the Math section of the TExES test contains many exciting and unique features to help you improve your test scores, including: Content 100% aligned with the 2020 TExES Core

Subjects EC-6 Mathematics Complete coverage of all TExES Math concepts and topics which you will be tested Numerous TExES math practice questions in both multiple-choice and grid-in formats with answers grouped by topic, so you can focus on your weak areas Abundant Math skill-building exercises to help test-takers approach different question types that might be unfamiliar to them 2 full-length practice tests (featuring new question types) with detailed answers TExES Core Subjects EC-6 Mathematics (802) Exercise Book 2020-2021 and other Effortless Math Education books are used by thousands of test-takers each year to help them review core content areas, brush-up in math, discover their strengths and weaknesses, and achieve their best scores on the TExES test. Visit www.EffortlessMath.com for Online Math Practice

HVAC Duct Construction Standards - Metal and Flexible 3rd Ed - Smacna 2005-01-15

Why We Hate - Rush W. Dozier 2003-06-16 "In the post-9/11 struggle for a sane global vision, this antihatred manifesto could not be more timely."--O: The Oprah Magazine In this acclaimed volume, Pulitzer-Prize nominated science writer Rush W. Dozier Jr. demystifies our deadliest emotion--hate. Based on the most recent scientific research in a range of fields, from anthropology to zoology, Why We Hate explains the origins and manifestations of this toxic emotion and offers realistic but hopeful suggestions for defusing it. The strategies offered here can be used in both everyday life to improve relationships with family and friends as well as globally in our efforts to heal the hatreds that fester within and among nations of the world.

Kampong Glam Historic District - 1995

File Stations - 1980

The Joy of Search - Daniel M. Russell 2019-09-24

A Google researcher reveals the art of online searching, offering tips and tricks on how best to use resources like Google and Wikipedia—plus fun facts and fascinating stories We all know how to look up something online by typing words into a search engine. We do this so often that we have made the most famous search engine a verb: we Google it—"Japan population" or "Nobel Peace Prize" or "poison ivy" or whatever we want to know. But knowing how to Google something doesn't make us search experts; there's much more we can do to access the massive collective knowledge available online. In The Joy of Search, Daniel Russell shows us how to be great online researchers. We don't have to be computer geeks or a scholar searching out obscure facts; we just need to know some basic methods. Russell demonstrates these methods with step-by-step searches for answers to a series of intriguing questions—from "what is the wrong side of a towel?" to "what is the most likely way you will die?" Along the way, readers will discover essential tools for effective online searches—and learn some fascinating facts and interesting stories. Russell explains how to frame search queries so they will yield information and describes the best ways to use such resources as Google Earth, Google Scholar, Wikipedia, and Wikimedia. He shows when to put search terms in double quotes, how to use the operator (*), why metadata is important, and how to triangulate information from multiple sources. By the end of this engaging journey of discovering, readers will have the definitive answer to why the best online searches involve more than typing a few words into Google.
The Vendor Compliance Handbook - David Secul 2010

Innovative Geo-Information Tools for Governance - Yola Georgiadou 2019-08-06
This book is a printed edition of the Special Issue Innovative Geo-Information Tools for Governance that was published in IJGI

Suddenly Hybrid - Karin M. Reed 2022-01-25 Discover the challenges and opportunities of hybrid meetings with this science-based guide from an Emmy-award winning communications expert and renowned organizational psychologist As remote work becomes less of an unusual exception and more of an everyday necessity, hybrid meetings—meetings in which some attendees are physically present while others are virtually present—are becoming the norm. In Suddenly Hybrid: Managing the Modern Meeting, Emmy award-winning communications expert Karin Reed and veteran industrial and organizational psychologist Dr. Joseph A. Allen deliver a practical and actionable framework for attending, hosting, and managing hybrid meetings. The authors draw from their extensive experience in research and business, as well as firsthand stories and up-to-date studies, to offer a guide that's grounded in science and proven in the real world. You'll learn about: Best practices based on research from the height of the pandemic and the unexpected paradigm shifts that resulted The challenges and opportunities presented by the trend towards hybrid meetings New research insights gathered from those early in the transition to hybrid meetings, as well as those who are well on their way to implementing a complete framework Perfect for senior business leaders, managers, and even individual contributors, Suddenly Hybrid: Managing the Modern Meeting is required reading for anyone expected to organize, host, or attend virtual or hybrid meetings in their workplace or school.

Urban Retrofitting for Sustainability - Tim Dixon 2014-01-21 With a foreword from Paul King, Chief Executive, UK Green Building Council and Chairman, Zero Carbon Hub As concerns over climate change and resource constraints grow, many cities across the world are trying to achieve a low carbon transition. Although new zero carbon buildings are an important part of

the story, in existing cities the transformation of the current building stock and urban infrastructure must inevitably form the main focus for transitioning to a low carbon and sustainable future by 2050. Urban Retrofitting for Sustainability brings together interdisciplinary research contributions from leading international experts to focus on key issues such as systems innovation, financing tools, governance, energy, and water management. The chapters consider not only the knowledge and technical tools available, but looks forward to how they can be implemented in real cities by 2050.

Indoor Wayfinding and Navigation - Hassan A. Karimi 2015-03-25
Outdoor wayfinding and navigation systems and services have become indispensable in people's mobility in unfamiliar environments. Advances in key technologies (e.g., positioning and mobile devices), has spurred interest in research and development of indoor wayfinding and navigation systems and services in recent years. Indoor Wayfinding and Navigation provides both breadth and depth of knowledge in designing and building indoor wayfinding and navigation systems and services. It covers the types of sensors both feasible and practical for localization of users inside buildings. The book discusses current approaches, techniques, and technologies for addressing issues in indoor wayfinding and navigation systems and services. It includes coverage of the cognitive, positioning, mapping, and application perspectives, an unusual but useful combination of information. This mix of different perspectives helps you better understand the issues and challenges of building indoor wayfinding and navigation systems and services, how they are different from those used outdoors, and how they can be used efficiently and effectively in challenging applications. Written by well-known specialists in the field, the book addresses all aspects of indoor wayfinding and navigation. It

includes the latest research developments on the topic, succinctly covers the fundamentals, and details the issues and challenges in building new systems and services. With this information, you can design indoor wayfinding and navigation systems and services for a variety of uses and users.

Smart Buildings - Jim Sinopoli 2006-05 Smart Buildings is a practical guide and resource for architects, engineers, facility managers, developers, contractors, and design consultants. The book covers the costs and benefits of smart buildings, and the basic design foundations, technology systems, and management systems encompassed within a smart building. Unlike other resources, Smart Buildings is organized to provide an overview of each of the technology systems in a building, and to indicate where each of these systems is in their migration to and utilization of the standard underpinnings of a smart building.
Reimagining Businesses with AI - Khaled Al Huraimel 2020-09-22 Discover what AI can do for your business with this approachable and comprehensive resource Reimagining Businesses with AI acquaints readers with both the business challenges and opportunities presented by the rapid growth and progress of artificial intelligence. The accomplished authors and digital executives of the book provide you with a multi-industry approach to understanding the intersection of AI and business. The book walks you through the process of recognizing and capitalizing on AI's potential for your own business. The authors describe: How to build a technological foundation that allows for the rapid implementation of artificial intelligence How to manage the disruptive nature of powerful technology while simultaneously harnessing its capabilities The ethical implications and security and privacy concerns raised by the spread of AI Perfect for business executives and managers who seek a jargon-free and approachable

manual on how to implement artificial intelligence in everyday operations, Reimagining Businesses with AI also belongs on the bookshelves of anyone curious about the interaction between artificial intelligence and business.

The Internet of Things in the Cloud - Honbo Zhou 2013-03-21

Although the Internet of Things (IoT) is a vast and dynamic territory that is evolving rapidly, there has been a need for a book that offers a holistic view of the technologies and applications of the entire IoT spectrum. Filling this void, The Internet of Things in the Cloud: A Middleware Perspective provides a comprehensive introduction to the IoT and its development worldwide. It gives you a panoramic view of the IoT landscape—focusing on the overall technological architecture and design of a tentatively unified IoT framework underpinned by Cloud computing from a middleware perspective. Organized into three sections, it:

Describes the many facets of Internet of Things—including the four pillars of IoT and the three layer value chain of IoT Focuses on middleware, the glue and building blocks of a holistic IoT system on every layer of the architecture Explores Cloud computing and IoT as well as their synergy based on the common background of distributed processing The book is based on the author's two previous bestselling books (in Chinese) on IoT and Cloud computing and more than two decades of hands-on software/middleware programming and architecting experience at organizations such as the Oak Ridge National Laboratory, IBM, BEA Systems, and Silicon Valley startup Doubletwist. Tapping into this wealth of knowledge, the book categorizes the many facets of the IoT and proposes a number of paradigms and classifications about Internet of Things' mass and niche markets and technologies.

Poseidon-T - Franze 2013-11-01

Poseidon is the star of his rugby team and his

fans love him. Especially the young Gonzalo, who dreams of meeting Poseidon in more than one way. One day, at the big game, his dream comes true, only it's different than he tought because aliens are attacking earth... Poseidon T is the new graphic novel from Franze, one of the authors of the successful Black Wade.

Luba and the Wren - Patricia Polacco 2002-02-01

For use in schools and libraries only. In this variation on the story of The Fisherman And His Wife, a young Ukrainian girl must repeatedly return to the wren she has rescued to relay her parents' increasingly greedy demands.

Valves - American National Standards Institute 2017