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 Digital Fundamentals, Global Edition
 Excel 2003 Formulas
 Piping Materials Guide
 Curriculum Models for the 21st Century
 Design of Piping Systems
 ASME Section VIII Div. 1, Pressure Vessels
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TANKER SAFETY GUIDE (LIQUEFIED GAS). John Wiley & Sons
 A Comprehensive Guide to Facility Piping Systems Fully up-to-date with the latest codes and standards, this practical resource contains everything you need to plan, select, design, specify, and test piping systems for industry, commercial, and institutional applications. The book includes complete coverage of pipes, fittings, valves, jointing methods, hangers, supports, pumps, tanks, and other required equipment. Facility Piping Systems Handbook, Third Edition, progresses from fundamentals of systems operation to a design procedure that allows quick and accurate component and pipe sizing. Listings of FDA, EPA, and OSHA requirements are included. Complete with formulas, charts, and tables, this invaluable all-in-one volume will save you time and money on the job. Coverage includes: Water treatment and purification Heat transfer, insulation, and freeze protection Cryogenic storage

Facility steam and condensate systems
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 Software -- Programming Languages.
Flow Measurement Engineering Handbook John Wiley & Sons
 Instant answers to your toughest questions on piping components and systems! It's impossible to know all the answers when piping questions are on the table - the field is just too broad. That's why even the most experienced engineers turn to Piping Handbook, edited by Mohinder L. Nayyar, with contribution from top experts in the field. The Handbook's 43 chapters--14 of them new to this edition--and 9 new appendices provide, in one place, everything you need to work with any type of piping, in any type of piping system: design layout selection of materials fabrication and components operation installation maintenance This world-class reference is packed with a comprehensive array of analytical tools,

and illustrated with fully-worked-out examples and case histories. Thoroughly updated, this seventh edition features revised and new information on design practices, materials, practical applications and industry codes and standards--plus every calculation you need to do the job. *Facility Piping Systems Handbook* McGraw Hill Professional
 Study faster, learn better--and get top grades with Schaum's Outlines Millions of students trust Schaum's Outlines to help them succeed in the classroom and on exams. Schaum's is the key to faster learning and higher grades in every subject. Each Outline presents all the essential course information in an easy-to-follow, topic-by-topic format. You also get hundreds of examples, solved problems, and practice exercises to test your skills. Use Schaum's Outlines to: Brush up before tests Find answers fast Study quickly and more effectively Get the big picture without spending hours poring over lengthy textbooks Fully compatible with your classroom text, Schaum's highlights all the important facts you need to know. Use Schaum's to shorten your study time--and get your best test scores! This

Schaum's Outline gives you: A concise guide to the standard college course in fluid dynamics 480 problems with answers or worked-out solutions Practice problems in multiple-choice format like those on the Fundamentals of Engineering Exam

HVAC Pump Handbook, Second Edition

McGraw Hill Professional

The only book of its kind on the market, this book is the companion to our Valve Selection Handbook, by the same author. Together, these two books form the most comprehensive work on piping and valves ever written for the process industries. This book covers the entire piping process, including the selection of piping materials according to the job, the application of the materials and fitting, trouble-shooting techniques for corrosion control, inspections for OSHA regulations, and even the warehousing, distributing, and ordering of materials. There are books on materials, fitting, OSHA regulations, and so on, but this is the only "one stop shopping" source for the piping engineer on piping materials.- Provides a "one stop shopping" source for the piping engineer on piping materials- Covers the entire piping process. - Designed as an easy-to-access guide

ADSL, VDSL, and Multicarrier Modulation
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Changing student profiles and the increasing availability of mainstream and specialized learning technologies are stretching the traditional face-to-face models of teaching and learning in higher education. Institutions, too, are facing far-reaching systemic changes which are placing strains on existing resources and physical infrastructure and calling into question traditional ways of teaching through lectures and tutorials. And, with an ever-increasing scrutiny on teaching and teachers' accountability for positive educational outcomes, the call for closer attention to learning, teaching and, most especially, to the design and delivery of the curriculum is given increasing relevance and importance. Research provides strong evidence of the potential for technologies to facilitate not only cognition and learning but also to become integral components in the redesign of current curriculum models. Some Universities and individual academics have moved along this pathway, developing new and innovative curriculum, blending pedagogies and technologies to suit their circumstances. Yet, there are others, unsure of the possibilities, the opportunities and constraints in these changing times. Curriculum Models for the 21st Century gives insights into how

teaching and learning can be done differently. The focus is on a whole of curriculum approach, looking at theoretical models and examples of practice which capitalize on the potential of technologies to deliver variations and alternatives to the more traditional lecture-based model of University teaching.

Schaum's Outline of Fluid Mechanics John Wiley & Sons

This working manual covers everything from theory, practical design, templates, installation, filling, equipment, maintenance to removal. With the combination of the TVA Technical Monograph 75-Steel Sheet Pile Cofferdams on the Rock manual and the US Corps of Engineers manual - Theoretical Manual for Design of Cellular Sheet Pile Structures our Cellular Cofferdams handbook make for an excellent reference book. Cellular Cofferdams, the large, barrel-like, interconnected structures formed of steel sheet piling and filled with coarse soil. Generally utilized for dewatering large construction sites as well as building piers, quaywalls, bulkheads, breakwaters and artificial islands. Over the years, a few papers on design theory have come forth, but only one complete publication devoted to the entire subject.

Digital Fundamentals, Global Edition

John Wiley & Sons

Programming Language Pragmatics, Third Edition, is the most comprehensive programming language book available today. Taking the perspective that language design and implementation are tightly interconnected and that neither can be fully understood in isolation, this critically acclaimed and bestselling book has been thoroughly updated to cover the most recent developments in programming language design, including Java 6 and 7, C++0X, C# 3.0, F#, Fortran 2003 and 2008, Ada 2005, and Scheme R6RS. A new chapter on run-time program management covers virtual machines, managed code, just-in-time and dynamic compilation, reflection, binary translation and rewriting, mobile code, sandboxing, and debugging and program analysis tools. Over 800 numbered examples are provided to help the reader quickly cross-reference and access content. This text is designed for undergraduate Computer Science students, programmers, and systems and software engineers. - Classic programming foundations text now updated to familiarize students with the languages they are most likely to encounter in the workforce, including including Java 7, C++, C# 3.0, F#, Fortran 2008, Ada 2005, Scheme R6RS, and Perl 6. - New and expanded coverage of

concurrency and run-time systems ensures students and professionals understand the most important advances driving software today. - Includes over 800 numbered examples to help the reader quickly cross-reference and access content.

Excel 2003 Formulas Elsevier

Centrifugal Pumps: Design and Application, Second Edition focuses on the design of chemical pumps, composite materials, manufacturing techniques employed in nonmetallic pump applications, mechanical seals, and hydraulic design. The publication first offers information on the elements of pump design, specific speed and modeling laws, and impeller design. Discussions focus on shape of head capacity curve, pump speed, viscosity, specific gravity, correction for impeller trim, model law, and design suggestions. The book then takes a look at general pump design, volute design, and design of multi-stage casing. The manuscript examines double-suction pumps and side-suction design, net positive suction head, and vertical pumps. Topics include configurations, design features, pump vibration, effect of viscosity, suction piping, high speed pumps, and side suction and suction nozzle layout. The publication also ponders on high speed pumps, double-case pumps, hydraulic power recovery turbines, and shaft design and axial thrust. The book is a valuable source of data for pump designers, students, and rotating equipment engineers.

Piping Materials Guide Newnes

This guide has over 35 example problems and solutions, and over 30 ASME code interpretations referenced and explained. This book covers ASME code design, fabrication, materials, inspection and testing of pressure vessels.

Curriculum Models for the 21st Century
Aia Press

An account of conflicts within engineering in the 1960s that helped shape our dominant contemporary understanding of technological change as the driver of history. In the late 1960s an eclectic group of engineers joined the antiwar and civil rights activists of the time in agitating for change. The engineers were fighting to remake their profession, challenging their fellow engineers to embrace a more humane vision of technology. In Engineers for Change, Matthew Wisnioski offers an account of this conflict within engineering, linking it to deep-seated assumptions about technology and American life. The postwar period in America saw a near-utopian belief in technology's beneficence. Beginning in the mid-1960s, however,

society—influenced by the antitechnology writings of such thinkers as Jacques Ellul and Lewis Mumford—began to view technology in a more negative light. Engineers themselves were seen as conformist organization men propping up the military-industrial complex. A dissident minority of engineers offered critiques of their profession that appropriated concepts from technology's critics. These dissidents were criticized in turn by conservatives who regarded them as countercultural Luddites. And yet, as Wisnioski shows, the radical minority spurred the professional elite to promote a new understanding of technology as a rapidly accelerating force that our institutions are ill-equipped to handle. The negative consequences of technology spring from its very nature—and not from engineering's failures.

“Sociotechnologists” were recruited to help society adjust to its technology. Wisnioski argues that in responding to the challenges posed by critics within their profession, engineers in the 1960s helped shape our dominant contemporary understanding of technological change as the driver of history.

Design of Piping Systems Pearson Higher Ed

Reflecting the most current thinking about infection control and the environment of care, this new edition also explores functional, space, and equipment requirements for acute care and psychiatric hospitals; nursing, outpatient, and rehabilitation facilities; mobile health care units; and facilities for hospice care, adult day care, and assisted living. [Editor, p. 4 cov.]

ASME Section VIII Div. 1, Pressure Vessels CRC Press

This book presents LTE evolution towards 5G mobile communication and the emergence of new requirements for MBB, MTC and LLC services. As LTE technologies evolve, LTE Advanced Pro dramatically increases cell capacity and user data rates for the MBB unicast service. Such requirements are obtained using full-dimension MIMO, carrier aggregation (on either licensed or unlicensed frequency bands) and dual connectivity. To improve the efficiency of same-content delivery to multiple users, 3GPP proposes a group communications service over LTE and defines mission critical push-to-talk (MCPTT) for dedicated public safety services. Complementary low-cost and low-power modems with enhanced coverage and massive connectivity are emerging. Thus, this book also discusses the need for LTE to support low-rate transmission and high-latency

communication for MTC services.

Civil Engineer's Reference Book Springer Science & Business Media
Design, install, and maintain HVAC pumps
Filled with case studies and problem-solving sections, this reference offers HVAC engineers and technicians concrete methods for achieving efficient operation in utilizing the latest digital electronic technologies. Updated to include the latest information ranging from codes to the electronic evolution in HVAC pumping systems

Gas Transmission and Distribution Piping Systems Springer

Market_Desc: · Engineers specializing in wireless and mobile systems and product development· Students Special Features: · Author has high profile in the professional engineering community with extensive exposure through his journal writings, chairing, and conference presentations· All systems have been tested; review questions (and solutions) at the end of each chapter· This follow-on book covers 3G (1st book covered 2G) and shows how the all-IP core network can be developed and how applications can be created· Includes coverage of VoIP (Voice over Internet Protocol) and SIP (Session Initiation Protocol), the topic of another best-selling Wiley engineering book About The Book: This completely new book skips all radio aspects and focuses on the emerging all-IP core network and applications instead. Broadband wireless networks based on B3G and 4G have been intensively studied in the literature. On the other hand, the all-IP core network and applications that utilize broadband networks are seldom addressed. This book describes the mobile core network protocols and applications based on the 3GPP all-IP core network architecture. The book shows how the all-IP core network can be developed and how applications can be created.

Power Quality Primer Prentice Hall
After an examination of fundamental theories as applied to civil engineering, authoritative coverage is included on design practice for certain materials and specific structures and applications. A particular feature is the incorporation of chapters on construction and site practice, including contract management and control.

Digital Fundamentals McGraw Hill Professional
Covering the breadth of a large topic, this book provides a thorough grounding in object-oriented concepts, the software development process, UML and multi-tier technologies. After covering some basic ground work underpinning OO software

projects, the book follows the steps of a typical development project (Requirements Capture - Design - Specification & Test), showing how an abstract problem is taken through to a concrete solution. The book is programming language agnostic - so code is kept to a minimum to avoid detail and deviation into implementation minutiae. A single case study running through the text provides a realistic example showing development from an initial proposal through to a finished system. Key artifacts such as the requirements document and detailed designs are included. For each aspect of the case study, there is an exercise for the reader to produce similar documents for a different system.

WIRELESS AND MOBILE ALL-IP NETWORKS John Wiley & Sons

Everything you need to know about * Mastering operators, error values, naming techniques, and absolute versus relative references * Debugging formulas and using the auditing tools * Importing and exporting XML files and mapping the data to specific cells * Using Excel 2003's rights management feature * Working magic with array formulas * Developing custom formulas to produce the results you need Here's the formula for Excel excellence Formulas are the lifeblood of spreadsheets, and no one can bring a spreadsheet to life like John Walkenbach. In this detailed reference guide, he delves deeply into understanding, creating, and applying formulas in everything from basic workbooks to charts, pivot tables, and more advanced Excel applications. He examines financial formulas, explores the many options made possible with array formulas, teaches you to develop custom worksheet functions with VBA, and much more. Once again, "Mr. Spreadsheet" will astound you with the breadth and depth of Excel's capacity. CD-ROM Includes * Trial version of the author's award-winning Power Utility Pak 5 * More than 90 sample workbooks illustrating key formula concepts

Object-Oriented Analysis and Design McGraw Hill Professional
Make power deregulation work for you With deregulation, the vast pool of power customers is up for grabs. As a utility, are you ready to compete? As a customer, are you ready to choose? In Power Quality Primer, Barry Kennedy gives you specifically designed, ahead-of-the-curve methods. Utilities will learn how to: Plan successful competitive strategies for every aspect of the business Market proactive solutions to customers before needs arise Improve transmission and distribution system quality, efficiency, and power

factor performance Eliminate technical problems such as over-voltages and poor grounding Design and deliver effective simulations Build customer-winning, customer-keeping quality, quality control, and service into all facets of your enterprise As a customer, you'll learn how to pick the utility that meets your power quality needs...solve your own power quality problems and find cost-effective solutions...and perform your own power quality survey
Video Demystified Morgan Kaufmann
This SpringerBrief presents strategies for

fire mitigation based on combustible assembly systems of exterior walls. Providing background information on common exterior wall systems, the mechanisms of fire spread, and case studies, it examines the difficulties in controlling a fire with several materials and assembly methods. The brief compiles information on typical fire scenarios which involve the exterior wall, along with further exploration into test methods, approval and regulatory requirements for the various assembly systems. Offering

testing approaches for possible mitigation strategies, the brief takes into account that current commercial wall assembly systems are constructed to improve energy performance, reduce water and air infiltration, and allow for aesthetic design flexibility. Exterior Insulation Finish Systems, metal composite claddings, high-pressure laminates, and weather-resistive barrier systems all have components which directly impact the fire hazard. Recommendations for future exterior wall construction are based on identified knowledge gaps.

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