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General Chemistry, Inorganic and Organic Garth L. Lee 1965

Soft Computing Models in Industrial and Environmental Applications, 5th International Workshop (SOCO 2010) Paulo Novais 2010-05-29 This volume of Advances in Intelligent and Soft Computing contains accepted - pers presented at SOCO 2010 held in the beautiful and historic city of Guimarães, Portugal, June 2010. The global purpose of SOCO conferences has been to provide a broad and - terdisciplinary forum for soft computing and associated paradigms, which are playing increasingly important roles in an important number of industrial and - vironmental applications fields. Soft computing represents a collection or set of computational techniques in machine learning, computer science and some engineering disciplines, which - vestigate, simulate and analyze very complex issues and phenomena. This wo- shop is mainly focused on its industrial and environmental applications. th SOCO 2010 is the 5 International Workshop on Soft Computing Models in Industrial Applications and provides interesting opportunities to present and d- cuss the latest theoretical advances and real world applications in this multidis- plinary research field. This volume presents the papers accepted for the 2010 edition, both for the main event and the Special Sessions. SOCO 2010 Special Sessions are a very u- ful tool in order to complement the regular program with new or emerging topics of particular interest to the participating community. Special Sessions that emp- size on multi-disciplinary and transversal aspects, as well as cutting-edge topics were especially encouraged and welcome. SOCO 2010 included a total of 3 Special Sessions: Ensemble Learning and - formation Fusion for Industrial Applications; Soft Computing for Service M- agement; Hybrid Intelligent Systems and Applications.

Computer automation of continuous-flow analyzers for trace constituents in water Richard Whittier Crawford 1979

Using Cross-Layer Techniques for Communication Systems Rashvand, Habib F. 2012-04-30 Although the existing layering infrastructure--used globally for designing computers, data networks, and intelligent distributed systems and which connects various local and global communication services--is conceptually correct and pedagogically elegant, it is now well over 30 years old has started create a serious bottleneck. Using Cross-Layer Techniques for Communication Systems: Techniques and Applications explores how cross-layer methods provide ways to escape from the current communications model and overcome the challenges imposed by restrictive boundaries between layers. Written exclusively by well-established researchers, experts, and professional engineers, the book will present basic concepts, address different approaches for solving the cross-layer problem, investigate recent developments in cross-layer problems and solutions, and present the latest applications of the cross-layer in a variety of systems and networks.

Mathematical Questions and Solutions, from ''The Educational Times'', with Many Papers and Solutions in Addition to Those Published in ''The Educational Times'' ... 1915

Bulletin of the Atomic Scientists 1965-04 The Bulletin of the Atomic Scientists is the premier public resource on scientific and technological developments that impact global security. Founded by Manhattan Project Scientists, the Bulletin's iconic "Doomsday Clock" stimulates solutions for a safer world.

BizTalk 2013 Recipes Mark Beckner 2013-12-09 BizTalk 2013 Recipes provides ready-made solutions to BizTalk Server 2013 developers. The recipes in the book save you the effort of developing your own solutions to common problems that have been solved many times over. The solutions demonstrate sound practice, the result of hard-earned wisdom by those who have gone before. Presented in a step-by-step format with clear code examples and explanations, the solutions in BizTalk 2013 Recipes help you take advantage of new features and deeper capabilities in BizTalk Server 2013. You'll learn to integrate your solutions with the cloud, configure BizTalk on Azure, work with electronic data interchange (EDI), and deploy the growing range of adapters for integrating with the different systems and technologies that you will encounter. You'll find recipes covering all the core areas: schemas, maps, orchestrations, messaging and more. BizTalk Server 2013 is Microsoft's market-leading platform for orchestrating process flow across disparate applications. BizTalk 2013 Recipes is your key to unlocking the full power of that platform. What you'll learn Automate business processes across different systems in your enterprise. Build, test, and deploy complex maps and schemas. Implement the business rules engine (BRE). Develop business activity monitoring (BAM) solutions. Manage electronic data interchange (EDI) with trading partners. Monitor and troubleshoot automated processes. Deploy BizTalk to Azure and build cloud based solutions. Who this book is for BizTalk 2013 Recipes is aimed at developers working in Microsoft BizTalk Server 2013. Experienced BizTalk developers will find great value in the information around new functionality in the 2013 release such as that for cloud based integrations. Those brand new to BizTalk will appreciate the clear

examples of core functionality that help them understand how best to design and deploy BizTalk Server solutions. Table of Contents What's New in BizTalk Server 2013 Document Schemas Document Mapping Messaging and Pipelines Orchestrations Adapters Business Rules Framework EDI Solutions Cloud Solutions Deployment Administration and Operations Business Activity Monitoring

The Salt Lake Mining Review 1915

Food Traceability Jennifer McEntire 2019-05-11 This book provides a picture of food traceability for all aspects of the food system, recognizing the unique differences, challenges, and "states of the industry" in different types of food products, as well as the different pressures and opportunities at different points in the supply chain and the research that has already been done. It also provides some historical context, along with the types of solutions available to the food industry, and the benefits associated with better recordkeeping that go beyond the public good and impact the bottom line. Whenever a food related outbreak occurs, traceability is called into question. When lives are at stake, it is critical that the root of the problem is quickly identified to prevent further illness. Once the problem is found, it's just as important to contain it quickly. Too often, recalls expand because implicated product is not readily accounted for. Mention of traceability stirs fear for many in the food industry for several reasons: within a company, it's not clear if responsibility for traceability lies with food safety professionals involved in recalls, supply chain professionals who understand product movement, IT professionals who build and maintain the recordkeeping systems, or regulatory professionals who need to respond to government requests for information. There is also a sense that traceability is someone else's problem. Few firms admit that they are the weak link and instead tout how quickly they can perform mock recalls. But traceability is about more than just recalls. It is about the connectivity of the supply chain as a product and its constituents travel from the farm to the consumer. Because it is a systems issue, there is a sense that the investment by a single firm will be meaningless if supply chain partners don't have comparable abilities. This book will address both these surrounding issues and solutions.

SAP Hardware Solutions Michael Missbach 2001 The goal of this text is to describe the technical design aspects of the IT infrastructure; it does not give the details of installing and customizing SAP software, nor business process reengineering. Using primarily HP products for the solution examples, the chapters guide the reader through the foundation of the systems from an IT perspective, reviews its business application and architecture and introduces the server systems, then describes data storage, high availability and recovery solutions, client PCs with front-end user interfaces, output management and printing solutions, network infrastructure and requirements, cabling designs, LANs and WANs, and connecting mySAP.com to the Internet. Both authors are members of the HP-SAP International Competence Center. Annotation copyrighted by Book News, Inc., Portland, OR

Expert MySQL Charles Bell 2007-04-01 MySQL remains one of the hottest open source database technologies. As the database has evolved into a product competitive with proprietary counterparts like Oracle and IBM DB2, MySQL has found favor with large scale corporate users who require high-powered features and performance. Expert MySQL is the first book to delve deep into the MySQL architecture, showing users how to make the most of the database through creation of custom storage handlers, optimization of MySQL's query execution, and use of the embedded server product. This book will interest users deploying MySQL in high-traffic environments and in situations requiring minimal resource allocation.

The New England Journal of Medicine 1919

Concrete Solutions Michael Grantham 2016-09-19 Concrete Solutions contains the contributions from some 30 countries to Concrete Solutions, the 6th International Conference on Concrete Repair (Thessaloniki, Greece, 20-23 June 2016). Strengthening and retrofitting are major themes in this volume, with NDT and electrochemical repair following closely, discussing the latest advances and technologies in concrete repair. The book brings together some interesting and challenging theoretical approaches and questions if we really understand and approach such topics as corrosion monitoring correctly. Concrete Solutions is an essential reference work for those working in the concrete repair field, from engineers to architects and from students to clients. The Concrete Solutions Series of international conferences on concrete repair began in 2003 with a conference held in St. Malo, France in association with INSA Rennes. Subsequent conferences have seen the Series partnering with the University of Padua (Italy) in 2009, with TU Dresden (Germany) in 2011 and with Queen's University Belfast (Northern Ireland) in 2014. In 2016 Thessaloniki (Greece) hosted the conference, partnering with both Aristotle University of Thessaloniki (AUTH) and Democritus University of Thrace (DUTH). The next conference in the series will be held in 2019 in Istanbul.

Disruptive Business Mr Alexander Manu 2012-09-28 Disruptive Business is a provocative and insightful redefinition of innovation as an outcome of human behaviour, a dynamic in constant change requiring the shaping of new responses in business and the economy. Alexander Manu believes that organizations must treat innovation not as a process to be managed but as an outcome that changes people's lives. In Disruptive Business he explains how innovation is the moment when human behaviour is changed by a particular invention, discovery or event. This position challenges the current understanding of innovation, as well as the current ecology in which innovation operates in organizations: its management, methods, tools, language, focus and metrics. The challenge extends to some of the labels currently applied to innovation typologies, such as 'disruptive innovation', seen today as addressing purely the technological side of an invention, rather than the more complex motivational and behavioural side. Alexander Manu considers that a disruption is not manifest in the moment a new technology is introduced. The disruption is the human being and manifest only when human motivation embraces the technology and uses it to modify and improve everyday life. Our acceptance and appropriation of new technologies creates the business disruption. Manu makes the case that successful innovation outcomes are answers to conscious or subconscious goals residing in human motivation, and motivation starts in desire. This position is consistent with the history of innovations that have changed, improved and reshaped human life, and also consistent with their roots and ethos. Humans are a 'perpetually wanting animal', bound to desire, to seek media for a better self and to need innovation. In this dynamic, innovation is the constant and business is the variable. The role of business is to create the tools, objects and services through which people can manifest what they want and who they are. The book provides a new perspective of current behavioural disruptions which are relevant to the continuity of business, as well as a set of practical methodologies for business design, aimed at creating innovation outcomes of value to users.

Contrary to Popular Belief Cold Calling Does Work! 2 Barry D. Caponi 2011-05-24 DO YOU STRUGGLE WITH THE FOLLOWING WHEN ATTEMPTING TO SET APPOINTMENTS? Finding the time to make the calls Figuring out how many calls are necessary to hit your goals Staying organized once youve got more than a few pursuits going simultaneously Making your territory and targets warmer over time Incorporating social media concepts and Sales 2.0 methods into your process Making your CRM or other automation work for you instead of against you In Volume I, we addressed the concept of effectiveness as why would one want to make any more appointment-setting calls than necessary. In this book, youll discover that the common challenges listed above, plus many others, are hurting your efficiency, causing you to work longer hours and make less money. After reading this book, youll know exactly how to address the biggest challenge to your success: the need to get in front of more prospects in less time. Additionally, youll realize you only have three sources for initial appointments; lead generation programs; networking and referrals, and cold calling: and that all three require the ability to set appointments. Youll also learn that it makes no difference whether your target is warm or cold; the basic process for each call is identical. Lets face it: Even referrals say no, theyre just nicer about it. When you understand this, youll discover why all sales professional should have the skills, tools and processes to be both effective and efficient at this critical responsibility. This comprehensive, easy-to-understand, easy-to-follow guide to successful appointment-setting is written by Barry Caponi, one of Americas foremost thought leaders on all aspects of the subject. Hundreds of companies throughout the world have dramatically increased their total number of new appointments by implementing the only appointment-setting methodology that addresses both effectiveness and efficiency. This volume (the second in a two-book set) will help you master the science of setting appointments in less time, with less effortonce and for all.

Engineering Monograph United States. Bureau of Reclamation 1948

Principles and Methods of Teaching Arithmetic James Robert Overman 1925

Partial Differential Equations for Scientists and Engineers Stanley J. Farlow 1993 This highly useful text shows the reader how to formulate a partial differential equation from the physical problem and how to solve the equation.

Nonlinear Systems Stability Analysis Seyed Kamaleddin Yadavar Nikravesh 2018-09-03 The equations used to describe dynamic properties of physical systems are often nonlinear, and it is rarely possible to find their solutions. Although numerical solutions are impractical and graphical techniques are not useful for many types of systems, there are different theorems and methods that are useful regarding qualitative properties of nonlinear systems and their solutions—system stability being the most crucial property. Without stability, a system will not have value. Nonlinear Systems Stability Analysis: Lyapunov-Based Approach introduces advanced tools for stability analysis of nonlinear systems. It presents the most recent progress in stability analysis and provides a complete review of the dynamic systems stability analysis methods using Lyapunov approaches. The author discusses standard stability techniques, highlighting their shortcomings, and also describes recent developments in stability analysis that can improve applicability of the standard methods. The text covers mostly new topics such as stability of homogonous nonlinear systems and higher order Lyapunov functions derivatives for stability analysis. It also addresses special classes of nonlinear systems including time-delayed and fuzzy systems. Presenting new methods, this book provides a nearly complete set of methods for constructing Lyapunov functions in both autonomous and nonautonomous systems, touching on new topics that open up novel research possibilities. Gathering a body of research into one volume, this text offers information to help engineers design stable systems using practice-oriented methods and can be used for graduate courses in a range of engineering disciplines.

The Boston Medical and Surgical Journal 1919

Chinese Journal of Physics 1993

Introduction to Combinatorics, Second Edition Walter D. Wallis 2016-12-12 What Is Combinatorics Anyway? Broadly speaking, combinatorics is the branch of mathematics dealing with different ways of selecting objects from a set or arranging objects. It tries to answer two major kinds of questions, namely, counting questions: how many ways can a selection or arrangement be chosen with a particular set of properties; and structural questions: does there exist a selection or arrangement of objects with a particular set of properties? The authors have presented a text for students at all levels of preparation. For some, this will be the first course where the students see several real proofs. Others will have a good background in linear algebra, will have completed the calculus stream, and will have started abstract algebra. The text starts by briefly discussing several examples of typical combinatorial problems to give the reader a better idea of what the subject covers. The next chapters explore enumerative ideas and also probability. It then moves on to enumerative functions and the relations between them, and generating functions and recurrences., Important families of functions, or numbers and then theorems are presented. Brief introductions to computer algebra and group theory come next. Structures of particular interest in combinatorics: posets, graphs, codes, Latin squares, and experimental designs follow. The authors conclude with further discussion of the interaction between linear algebra and combinatorics. Features Two new chapters on probability and posets. Numerous new illustrations, exercises, and problems. More examples on current technology use A thorough focus on accuracy Three appendices: sets, induction and proof techniques, vectors and matrices, and biographies with historical notes, Flexible use of MapleTM and MathematicaTM

Ten Steps to Complex Learning Jeroen J. G. van Merriënboer 2012-10-12 Ten Steps to Complex Learning presents a path from a training problem to a training solution in a way that students, practitioners (both instructional designers and teachers), and researchers can understand and easily use. Practitioners can use this book as a reference guide to support their design of courses, materials, or environments for complex learning. Students in the field of instructional design can use this book to broaden their knowledge of the design of training programs for complex learning. Now fully revised to incorporate the most current research in the field, this second edition of Ten Steps to Complex Learning includes user-friendly examples and case studies, and demonstrates the application of the ten steps in relation to the design of serious games, learning networks, social media, and new developments in educational neuroscience.

Landscaping for Wildlife in the Pacific Northwest Russell Link 2017-05-01 Whether you are planting a yard from scratch or modifying an existing area, Landscaping for Wildlife in the Pacific Northwest will help you select, arrange, and maintain plants and other landscape elements that fulfill wildlife needs. Homeowners, property owners, professional wildlife managers, landscape architects, and garden designers will all find it invaluable. A wealth of information is provided on: --Wildlife habitat and landscaping basics --Birds, mammals, reptiles, amphibians, and insects likely to be attracted to your property --Specialty gardens for butterflies and hummingbirds --How to plant and maintain woodlands, grasslands, wetlands, and waterways --Feeders and nest boxes --Ponds and birdbaths --Potential problems --Wildlife viewing tips --Extensive plant lists

Does My Child Need Help? William K. Wilkinson 2014-10-20 Are you worried about your child's learning ability or behaviour? Do you suspect they may have a problem like dyslexia or AD/HD? Your child's teacher may have recommended they be assessed by an educational psychologist, but what does this entail? Written by a practising educational psychologist with 25 years' experience in the United States and Ireland, Does My Child Need Help? clearly explains the process and positive impact of an educational assessment, guiding the reader step-by-step through the process of: Initial contact with the psychologistSubjective assessment – behaviour observations, background information, existing reports, etc.Objective assessment – cognitive tests, rating scales and other measuresDiagnosisThe components of the psychologist's reportRecommendations and interventions Does My Child Need Help? will aid parents in understanding the entire process, answering common questions such as 'What happens?', 'What do I say to my child?' and 'What do the results mean for my child's education?' through case studies, example reports, and testimonials from parents, resource teachers and special needs coordinators. Using graphs to visually illustrate how different problems are diagnosed, the author shares his expert advice with the reader, covering the diagnosis and management of frequently occurring problems such as dyslexia, dyscalculia, AD/HD, autistic spectrum disorders and emotional/behavioural difficulties. While aimed primarily at parents, Does My Child Need Help? will also prove useful to teachers, special needs assistants, administrators, students, healthcare professionals and psychologists.

Chemistry Theodore Lawrence Brown 2017-01-03 NOTE: This edition features the same content as the traditional text in a convenient, three-hole-punched, loose-leaf version. Books a la Carte also offer a great value; this format costs significantly less than a new textbook. Before purchasing, check with your instructor or review your course syllabus to ensure that you select the correct ISBN. Several versions of MyLab(tm)and Mastering(tm) platforms exist for each title, including customized versions for individual schools, and registrations are not transferable. In addition, you may need a Course ID, provided by your instructor, to register for and use MyLab and Mastering products. For courses in two-semester general chemistry. Accurate, data-driven authorship with expanded interactivity leads to greater student engagement Unrivaled problem sets, notable scientific accuracy and currency, and remarkable clarity have made Chemistry: The Central Science the leading general chemistry text for more than a decade. Trusted, innovative, and calibrated, the text increases conceptual understanding and leads to greater student success in general chemistry by building on the expertise of the dynamic author team of leading researchers and award-winning teachers. In this new edition, the author team draws on the wealth of student data in Mastering(tm)Chemistry to identify where students struggle

and strives to perfect the clarity and effectiveness of the text, the art, and the exercises while addressing student misconceptions and encouraging thinking about the practical, real-world use of chemistry. New levels of student interactivity and engagement are made possible through the enhanced eText 2.0 and Mastering Chemistry, providing seamlessly integrated videos and personalized learning throughout the course . Also available with Mastering Chemistry Mastering(tm) Chemistry is the leading online homework, tutorial, and engagement system, designed to improve results by engaging students with vetted content. The enhanced eText 2.0 and Mastering Chemistry work with the book to provide seamless and tightly integrated videos and other rich media and assessment throughout the course. Instructors can assign interactive media before class to engage students and ensure they arrive ready to learn. Students further master concepts through book-specific Mastering Chemistry assignments, which provide hints and answer-specific feedback that build problem-solving skills. With Learning Catalytics(tm) instructors can expand on key concepts and encourage student engagement during lecture through questions answered individually or in pairs and groups. Mastering Chemistry now provides students with the new General Chemistry Primer for remediation of chemistry and math skills needed in the general chemistry course. If you would like to purchase both the loose-leaf version of the text and MyLab and Mastering, search for: 0134557328 / 9780134557328 Chemistry: The Central Science, Books a la Carte Plus MasteringChemistry with Pearson eText -- Access Card Package Package consists of: 0134294165 / 9780134294162 MasteringChemistry with Pearson eText -- ValuePack Access Card -- for Chemistry: The Central Science 0134555635 / 9780134555638 Chemistry: The Central Science, Books a la Carte Edition

Cell-to-Cell Mapping C.S. Hsu 2013-03-09 For many years, I have been interested in global analysis of nonlinear systems. The original interest stemmed from the study of snap-through stability and jump phenomena in structures. For systems of this kind, where there exist multiple stable equilibrium states or periodic motions, it is important to examine the domains of attraction of these responses in the state space. It was through work in this direction that the cell-to-cell mapping methods were introduced. These methods have received considerable development in the last few years, and have also been applied to some concrete problems. The results look very encouraging and promising. However, up to now, the effort of developing these methods has been by a very small number of people. There was, therefore, a suggestion that the published material, scattered now in various journal articles, could perhaps be pulled together into book form, thus making it more readily available to the general audience in the field of nonlinear oscillations and nonlinear dynamical systems. Conceivably, this might facilitate getting more people interested in working on this topic. On the other hand, there is always a question as to whether a topic (a) holds enough promise for the future, and (b) has gained enough maturity to be put into book form. With regard to (a), only the future will tell. With regard to (b), I believe that, from the point of view of both foundation and methodology, the methods are far from mature.

A Report of the Conference on Reading, University of Pittsburgh University of Pittsburgh. School of Education 1965

Wireless Medical Systems and Algorithms Pietro Salvo 2017-11-22 Wireless Medical Systems and Algorithms: Design and Applications provides a state-of-the-art overview of the key steps in the development of wireless medical systems, from biochips to brain–computer interfaces and beyond. The book also examines some of the most advanced algorithms and data processing in the field. Addressing the latest challenges and solutions related to the medical needs, electronic design, advanced materials chemistry, wireless body sensor networks, and technologies suitable for wireless medical devices, the text: Investigates the technological and manufacturing issues associated with the development of wireless medical devices Introduces the techniques and strategies that can optimize the performances of algorithms for medical applications and provide robust results in terms of data reliability Includes a variety of practical examples and case studies relevant to engineers, medical doctors, chemists, and biologists Wireless Medical Systems and Algorithms: Design and Applications not only highlights new technologies for the continuous surveillance of patient health conditions, but also shows how disciplines such as chemistry, biology, engineering, and medicine are merging to produce a new class of smart devices capable of managing and monitoring a wide range of cognitive and physical disabilities.

Analytical Instrumentation Handbook Jack Cazes 2004-11-30 Compiled by the editor of Dekker's distinguished Chromatographic Science series, this reader-friendly reference is as a unique and stand-alone guide for anyone requiring clear instruction on the most frequently utilized analytical instrumentation techniques. More than just a catalog of commercially available instruments, the chapters are wri

Acta Physica Polonica 1980 Section A includes general physics, solid state physics, applied physics.

Major tax reform options United States. Congress. Senate. Committee on Finance 1984

IM and SMS Reference Services for Libraries Amanda Bielskas 2012-01-01 Users want real-time answers to their reference questions wherever and whenever they are. Increasingly, that means SMS and IM services. Providing those is easier than you might think!

Evolutionary Computation in Combinatorial Optimization Peter Merz 2011-04-27 This book constitutes the refereed proceedings of the 11th European Conference on Evolutionary Computation in Combinatorial Optimization, EvoCOP 2011, held in Torino, Italy, in April 2011. The 22 revised full papers presented were carefully reviewed and selected from 42 submissions. The papers present the latest research and discuss current developments and applications in metaheuristics - a paradigm to effectively solve difficult combinatorial optimization problems appearing in various industrial, economical, and scientific domains.

Prominent examples of metaheuristics are evolutionary algorithms, simulated annealing, tabu search, scatter search, memetic algorithms, variable neighborhood search, iterated local search, greedy randomized adaptive search procedures, estimation of distribution algorithms, and ant colony optimization.

Intermountain Industry and Engineering 1915

Drawdown Paul Hawken 2017-04-18 • New York Times bestseller • The 100 most substantive solutions to reverse global warming, based on meticulous research by leading scientists and policymakers around the world "At this point in time, the Drawdown book is exactly what is needed; a credible, conservative solution-by-solution narrative that we can do it. Reading it is an effective inoculation against the widespread perception of doom that humanity cannot and will not solve the climate crisis. Reported by-effects include increased determination and a sense of grounded hope." —Per Espen Stoknes, Author, What We Think About When We Try Not To Think About Global Warming "There's been no real way for ordinary people to get an understanding of what they can do and what impact it can have. There remains no single, comprehensive, reliable compendium of carbon-reduction solutions across sectors. At least until now. . . . The public is hungry for this kind of practical wisdom." —David Roberts, Vox "This is the ideal environmental sciences textbook—only it is too interesting and inspiring to be called a textbook." —Peter Kareiva, Director of the Institute of the Environment and Sustainability, UCLA In the face of widespread fear and apathy, an international coalition of researchers, professionals, and scientists have come together to offer a set of realistic and bold solutions to climate change. One hundred techniques and practices are described here—some are well known; some you may have never heard of. They range from clean energy to educating girls in lower-income countries to land use practices that pull carbon out of the air. The solutions exist, are economically viable, and communities throughout the world are currently enacting them with skill and determination. If deployed collectively on a global scale over the next thirty years, they represent a credible path forward, not just to slow the earth's warming but to reach drawdown, that point in time when greenhouse gases in the atmosphere peak and begin to decline. These measures promise cascading benefits to human health, security, prosperity, and well-being—giving us every reason to see this planetary crisis as an opportunity to create a just and livable world.

Financing Energy Efficiency Robert P. Taylor 2008-02-08 While energy efficiency projects could partly meet new energy demand more cheaply than new supplies, weak economic institutions in developing and transitional economies impede developing and financing energy efficiency retrofits. This book analyzes these difficulties, suggests a 3-part model for projectizing and financing energy efficiency retrofits, and presents thirteen case studies to illustrate the issues and principles involved.

An Architects Guide to Engineered Shading Solutions Neil Perry Gordon 2014-10-15 If you're a member of the architectural and design community who still consider window coverings as an afterthought, then you need to learn more about the emerging field of engineered shading solutions. Engineered shading solutions are sustainable systems for interior and exterior window coverings that engage the latest technologies to control heat, glare, and light. Window coverings have evolved beyond mere decoration and have become a significant part of sustainable building systems. In this expanded 2nd edition you will learn how: •? window coverings can be incorporated into building envelopes; • exterior shades are integrated into The Passive House; •? engineered shading solutions can further sustainable design; •? building control systems operate interior and exterior shading; •? specifying appropriate fabrics improve shading performance. Living or working in a building with too much solar heat gain, glare, or light can harm occupants, and engineers, architects, and designers cannot afford to make clients unhappy. Provide what they need and incorporate successful sustainable solutions with An Architect's Guide to Engineered Shading Solutions 2nd edition. NEIL PERRY GORDON is the founder of InSync Solar, a provider of products and educational content on engineered shading solutions. As a thirty-year veteran in the window covering industry, he works with select dealers in major markets to offer specialized services to architects, designers, and contractors.

Compendium on Enterprise Resource Planning Siar Sarferaz 2022-04-01 This book explains the functional scope, the data model, the solution architecture, the underlying engineering concepts, and the programming model of SAP S/4HANA as the most well-known enterprise resource planning (ERP) system. The approach is to start with general concepts and then to proceed step-by-step to concrete implementations in SAP S/4HANA. In the first part the reader learns about the market view of ERP solutions and vendors. The second part deals with the business processes for sales, marketing, finance, supply chain, manufacturing, services, procurement, and human resources which are covered with SAP S/4HANA. In the third part the underlying concepts of SAP S/4HANA are described, for example in-memory storage, analytics and search, artificial intelligence, process and data integration, security and compliance, lifecycle management, performance and scalability, configuration and implementation. The book is concluded with a final chapter explaining how to deploy an appliance to explore SAP S/4HANA. The target audience for the book are managers and business analysts who want to understand the market situation and future ERP trends, end users and process experts who need to comprehend the business processes and the according solution capabilities provided with SAP S/4HANA, architects and developers who have to learn the technical concepts and frameworks for enhancing SAP S/4HANA functionality, and consultants and partners who require to adopt and configure SAP S/4HANA.

A Textbook in Electricity and Magnetism Harry C. Kelly 1941