Access Free Leed Ebom Reference Guide

Leed Ebom Reference Guide

The definitive water quality and treatment resource--fully revised and updated Comprehensive, current, and written by leading experts, Water Quality & Treatment and quality control. Significant revisions and new material in this edition reflect the latest advances and critical topical water supply and treatment. Presented by the American Water Works Association, this is the leading source of authoritative information and control of authoritative information on drinking water reuse for drinking water augmentation Ultraviolet light processes Formation and control of authoritative information and treatment. NEW CHAPTERS ON: Chemical principles, source water composition, and watershed protection Natural treatment. disinfection by-products DETAILED COVERAGE OF: Drinking water standards, regulation, flocculation, flocculation, sedimentation, and flotation Granular media and membrane filtration lon exchange and adsorption of inorganic contaminants Precipitation, coprecipitation, and precipitative softening Adsorption of organic compounds by activated carbon Chemical disinfection Internal corrosion and deposition control Microbiological quality control in distribution systems Water treatment plant residuals management

Currently, the installed capacity of power generation in India is 104,917 MW and by 2012 another 100,000 MW will be added. With this addition, the requirement of power and distribution transformers will grow enormously, as will the emphasis on quality and performance. The design of a transformer is critical to its quality as are men, machines and materials. This book is a hands-on guide cov design, process control of manufacturing technique, installation, erection, commissioning and maintenance of distribution transformers. It also covers failure analysis and remedial measures for increasing the longevity of transformers. Apart from explaining the design aspect of transformers, the book lists the requirements of ISO 9000 in the process of manufacturing technique up to the final signs are the second as a second according to the longevity of transformers. It also covers failure analysis and remedial measures for increasing the longevity of transformers. It also covers failure analysis and remedial measures for increasing the longevity of transformers. It also covers failure analysis and remedial measures for increasing the longevity of transformers. It also covers failure analysis and remedial measures for increasing the longevity of transformers. It also covers failure analysis and remedial measures for increasing the longevity of transformers. It also covers failure analysis and remedial measures for increasing the longevity of transformers. It also covers failure analysis and remedial measures for increasing the longevity of transformers. It also covers failure analysis and remedial measures for increasing the longevity of transformers and the longevity of transformers are the longevity of transformers. It also covers failure analysis and the longevity of transformers are the longevity of transformers and the longevity of transformers are the longevity of transfo of product testing, inspection and despatch An Up-to-Date Guide to the Latest LEED-New Construction, second edition, offers comprehensive coverage of the environmental and up-to-Date Guide to the Latest LEED-New Construction, second edition, offers comprehensive coverage of the environmental and up-to-Date Guide to the Latest LEED-New Construction, second edition, offers comprehensive coverage of the environmental and up-to-Date Guide to the Latest LEED-New Construction, second edition, offers comprehensive coverage of the environmental and up-to-Date Guide to the LEED-New Construction and up-to-Date Guide to the LEED-New Constructi

and continue to help fight climate change and prevent further damage to the environment while creating enormous economic growth in a stagnant industry. Explosion Green reveals how all global manufacturers are in the game - from building owners to design professionals, contractors, and facility managers, and explains the process of, not only how it started, but how they all work together towards ensuring future success of this industry. Explosion Green permits an inside glimpse into the industry, educating all who want to not only learn from the founder of one of the fastest growing nonprofits with the widest global reach today.

systems and impacts on which many of the LEED-NC subcategories are based. Detailed equations and exercises in the book can be used to perform the calculations of LEED-NC. Valuable information on real-world applications of LEED-NC. Valuable information on real-world applications outlined in LEED-NC. Valuable information on real-world applications and exercises in the book can be used to perform the calculations outlined in LEED-NC. Valuable information on real-world applications and exercises in the book can be used to perform the calculations outlined in LEED-NC. Valuable information on real-world applications and exercises in the book can be used to perform the calculations outlined in LEED-NC. Valuable information on real-world applications and exercises in the book can be used to perform the calculations outlined in LEED-NC. Valuable information on real-world applications of LEED-NC in military, low-impact development (LID), and other sectors is included in this practical resource. THE ENGINEERING GUIDE TO LEED-NEW. CONSTRUCTION COVERS: Introduction to the U.S. Green Building Council's LEED-NC rating system Sustainable sites Water efficiency Energy and atmosphere Materials and resources Indoor environmental guality Innovation in design and regional priorities A systematic view of green and minimum program requirements Department of Defense sustainable construction and indoor air quality (IAQ) Low-impact development Explosion Green tells the twenty-year story of how the global green building movement exploded and transformed the world's largest industry into a more robust business and environmentally-friendly marketplace, told through the eyes of David Gottfried, the man who helped start it all. Explosion Green explores the workings of the industry, how it's changed, and how these changes have helped

International Version LEED Lab Electric Motor Handbook

Wind Energy Engineering, Second Edition

Explosion Green Your definitive reference for manufacturing planning and control professionals—updated for the 2-part version of the CPIM exam Written by a team of recognized experts, Manufacturing planning and control professionals—updated for the 2-part version of the CPIM exam Written by a team of recognized experts, Manufacturing planning and control professionals—updated for the 2-part version of the CPIM exam Written by a team of recognized experts, Manufacturing planning and control professionals—updated for the 2-part version of the CPIM exam Written by a team of recognized experts, Manufacturing planning and control professionals—updated for the 2-part version of the CPIM exam Written by a team of recognized experts, Manufacturing planning and control professionals—updated for the 2-part version of the CPIM exam Written by a team of recognized experts, Manufacturing planning and control professionals—updated for the 2-part version of the CPIM exam Written by a team of recognized experts. knowledge you need to obtain the coveted CPIM designation. You'll get cutting-edge practices that provide an advantage in today's global manufacturing environment. Included throughout the book are illustrative examples, practice problems, case studies, and spreadsheets for quick, practical implementation of some of the techniques in the book. Maximize supply chain efficiency, productivity, and profitability, as well as customer satisfaction, using the hand-on information contained in this comprehensive resource planning. Advanced sales and operations planning. Master production scheduling. Material requirements

planning • Advanced MRP • Capacity planning and management • Production activity control • Just-in-time • Distribution requirements planning • Management of supply chain logistics • Order point inventory control methods • Strategy and MPC system design A fully up-to-date, comprehensive wind energy engineering resource This thoroughly updated reference offers complete details on effectively harnessing wind energy as a viable and economical power source. Globally recognized wind expert Pramod Jain clearly explains physics, meteorology, aerodynamics, wind measurement, wind turbines, and electricity. New energy policies and grid integration procedures are covered, including pre-deployment studies and grid modifications. Filled with diagrams, tables, charts, graphs, and statistics, Wind Energy Engineering, Second Edition covers: The worldwide business of wind energy Wind energy basics Meteorological properties of wind and air Wind turbine aerodynamics Turbine blade element models and power curves Wind measurement and reporting Wind turbine generator components Electricity and generator fundamentals Grid integration of wind energy Environmental impact of wind projects Financial modeling, planning, and execution of wind projects Wind energy policy and licensing guidelines

Topics include distributed generation, energy auditing, rate structures, economic evaluation techniques, lighting efficiency improvement, HVAC optimization, combustion and distribution system performance, control systems and computers, energy systems maintenance, renewable energy, and industrial water management."--BOOK JACKET.

MEET THE COMPLEX CHALLENGES OF METAL BUILDING SYSTEMS FOUNDATION DESIGN Expand your professional design skills and engineer, Foundation and Anchor Design Guide for Metal Building Systems thoroughly covers the entire process--from initial soil investigation through final design and construction. The design of different types of foundations is explained and illustrated with step-by-step examples. The nuts-and-bolts discussion covers the best design and construction practices. This detailed reference book explains how the design of metal building foundations differs from the design of conventional foundations and how to comply with applicable building codes while avoiding common pitfalls. COVERAGE INCLUDES: Metal building systems Design of isolated column footings Foundation walls and wall footings Tie rods, hairpins, and slab ties Moment-resisting foundations Slab with haunch, trench footings, and mats Deep foundations Anchors in metal building systems Concrete embedments in metal building systems

Water and Wastewater Engineering: Design Principles and Practice, Second Edition Snapshots of Emerging Issues, Methods and Knowledge

The McGraw Hill 36 Hour Six Sigma Course

Manufacturing Planning and Control for Supply Chain Management: The CPIM Reference, Second Edition

Basics of CMOS Cell Design Sustainable Construction for Engineers

This text, by a leading authority in the field, presents a fundamental and factual development of the science and engineering underlying the design of combustion engines and turbines. An extensive illustration program supports the concepts and theories discussed.

forms are included in a single .zip file. You will need WinZip or an equivalent program to open the file. ASHRAE Research Project 669 and ASHRAE Special Project 56.

Develop high-performance hydraulic and pneumatic power systems Design, operate, and maintain fluid and pneumatic power equipment using the expert information contained in this authoritative volume. Fluid Power Engineering presents a comprehensive approach to hydraulic systems engineering presents a comprehensive approach to hydraulic systems engineering with a solid grounding in hydrodynamic theory. The book explains how to create accurate mathematical models, select and assemble components, and integrate powerful and pneumatic power equipment using the expert information contained in this authoritative volume. Fluid Power Engineering with a solid grounding in hydrodynamic theory. servo valves and actuators. You will also learn how to build low-loss transmission lines, analyze system performance, and optimize efficiency. Work with hydraulic fluids, pumps, gauges, and cylinders Design transmission lines using the lumped parameter model Minimize power losses due to friction, leakage, and line resistance Construct and operate accumulators, pressure switches, and filters Develop mathematical models of electrohydraulic servosystems Convert hydraulic power into mechanical energy using actuators Precisely control load displacement using HSAs and control valves Apply fluid systems techniques to pneumatic power systems

examined along with residuals management. Water and Wastewater Engineering contains more than 100 example problems, 500 end-of-chapter problems, and 300 illustrations. Safety issues and operation and flocculation Lime-soda and ion exchange softening Reverse osmosis and nanofiltration Sedimentation Granular and membrane filtration Disinfection and fluoridation Removal of specific constituents Drinking water plant residuals management, process selection, and integration Storage and distribution systems Wastewater collection and treatment by suspended and attached growth biological processes Secondary settling, disinfection, and postaeration Tertiary treatment Wastewater plant residuals management Clean water plant process selection and integration The recent trend in innovative school design has provided exciting places to both learn and teach. New generation learning environments have encouraged educators to unleash responsive pedagogies previously hindered by traditional classrooms, and has allowed students to engage in a variety of learning environments have encouraged educators to unleash responsive pedagogies previously hindered by traditional classrooms, and has allowed students to engage in a variety of learning experiences well beyond the traditional classrooms, and has allowed students to engage in a variety of learning environments have encouraged educators to unleash responsive pedagogies previously hindered by traditional classrooms, and has allowed students to engage in a variety of learning environments have encouraged educators to unleash responsive pedagogies previously hindered by traditional classrooms, and has allowed students to engage in a variety of learning environments have encouraged educators to unleash responsive pedagogies previously hindered by traditional classrooms, and has allowed students to engage in a variety of learning environments have encouraged educators to unleash responsive pedagogies previously hindered by traditional classrooms, and has allowed students to engage in a variety of learning environments have encouraged educators to unleash responsive pedagogies previously hindered by traditional classrooms. individualised curriculum, ubiquitous technologies, and specialised equipment more accessible than ever before. The quality of occupation of such spaces has also been encouraging. Many learning spaces now resemble places of collegiality, intellectual intrigue and comfort, as opposed to the restrictive and monotonous classrooms many of us experienced in years past. These successes, however, have generated a very real problem. Do these new generation learning

An In-Depth Guide to Water and Wastewater Engineering This authoritative volume offers comprehensive coverage of the design and construction, filtration, disinfection, and residuals management. Each stage of wastewater treatment--preliminary, secondary, and tertiary--is

environments actually work — and if so, in what ways? Are they leading to the sorts of improved experiences and learning outcomes for students third the phenomenon of contemporary schooling — Evaluating Learning Environments draws together thirteen approaches to learning environment evaluation that capture the latest thinking in terms of emerging issues, methods and knowledge.

Perry's Chemical Engineers' Handbook USGBC LEED Green Associate Study Guide

Foundation and Anchor Design Guide for Metal Building Systems

Resource Efficiency and Climate Change

Guide to the LEED AP Operations and Maintenance (O+M) Exam The Engineering Guide to LEED-New Construction: Sustainable Construction for Engineers (GreenSource)

Up-to-Date Details on Construction Materials and Equipment A thoroughly revised, all-inclusive compendium, Construction Databook, Second Edition contains hundreds of tables, specifications, charts, and illustrations covering all of the materials and equipment most frequently used at a typical job site. You'll find easy-to-access, practical information on application, selection, dimensions, and installation of all construction components. New details on sustainable materials and energy-saving options are also included. Ideal for both commercial and residential projects, this one-stop resource will help you run any construction job more efficiently and economically. COVERAGE INCLUDES: Soils, site utilities, and sitework equipment Substructures The building envelope Carpentry, framing, drywall, and engineered wood projects Fireproofing and soundproofing Interior finishes, charts, and formulas Written for professionals who work in electric motors: this covers updated traction applications: the latest on solid-state motor-drive controllers: electrical and mechanical parameters: specifications: shapes: performance: protection: and more. --

Learn the essentials of Six Sigma in just 36 hours The McGraw-Hill 36-Hour Six Sigma Course provides you with the knowledge you need to understand, implement, and manage a Six Sigma program. This detailed yet accessible guide explores 10 essential Six Sigma tools for manufacturing along with other core components of a Six Sigma program. Design and Simulate Any Type of CMOS Circuit! Electronic circuit designers and electronic engineering students can turn to Basics of CMOS (complementary metal oxide semiconductor) integrated circuit. You will find step-by-step explanations of everything they need for designing and simulating CMOS integrated circuits in deep-submicron technology, including MOS devices...inverters...interconnects...basic gates ...arithmetics...sequential cell design...and analog basic cells. The book also presents design rules, Microwind program operation and commands, design logic editor operation and commands, and guick-reference sheets. Filled with 100 skills-building illustrations, Basics of CMOS Cell Design features: Expert guidance on MOS device modeling Complete details on micron and deep-submicron technologies Clear, concise information on basic logic gates Full coverage of analog cells A wealth of circuit simulation tools Inside This Landmark CMOS Circuit Design Guide— • MOS Devices and Technology • MOS Modeling • The Inverter • Interconnects • Basic Gates • Arithmetics • Seguential Cell Design Analog Cells • Appendices: Design Rules; Microwind Program Operation and Commands; Quick- Reference Sheets Understanding LEED, Green Globes, Energy Star, the National Green Building Standard, and More

For LEED for New Construction, LEED for Core and Shell, and LEED for Commercial Interiors

Water Quality & Treatment: A Handbook on Drinking Water

Procedures for Commercial Building Energy Audits

The Integrative Design Guide to Green Building Guide to Green Building Rating Systems

Trenchless technology allows for the installation or renewal of underground utility systems with minimum disruption of the surface. As water and wastewater systems age or must be redesigned in order to comply with environmental regulations, the demand for this technology has dramatically increased. This is a detailed reference covering construction details, design guidelines, environmental concerns, and the latest advances in equipment, methods, and materials. * Design and analysis procedures * Design equations * Risk assessment * Soil compatibility and more A comprehensive guide to 3D MEMS packaging methods and solutions Written by experts in the field, Advanced MEMS Packaging serves as a valuable reference for those faced with the challenges created by the ever-increasing interest in MEMS devices and packaging. This authoritative guide presents cutting-edge MEMS (microelectromechanical systems) packaging techniques, such as low-temperature C2W and W2W bonding and 3D packaging techniques for MEMS devices. The book will also aid in stimulating further research and development in electrical, optical, mechanical, and thermal designs as well as materials, processes, manufacturing, testing, and reliability. Among the topics explored: Advanced IC and MEMS packaging trends MEMS devices, commercial applications, and

markets More than 360 MEMS packaging patents and 10 3D MEMS packaging designs TSV for 3D MEMS packaging MEMS wafer thinning, dicing, and water bonding techniques Actuation

light duty vehicles, and reviews policies that address these strategies. The IRP modelling results show that increasing material efficiency can help enhance efforts in moving towards the 1.5° C target set by the Paris Agreement." -- Page 4 of cover

mechanisms and integrated micromachining Bubble switch, optical switch, and VOA MEMS packaging Bio-MEMS and biosensor MEMS packaging RF MEMS switches, tunable circuits, and packaging "The International Resource Panel (IRP) was established to provide independent, coherent and authoritative scientific assessments on the use of natural resources and their environmental impacts over the full life cycle. The Panel aims to contribute to a better understanding of how to decouple economic growth from environmental degradation while enhancing well-being. The Secretariat is hosted by the United Nations Environment Programme. IRP assessments demonstrate the opportunities for governments, businesses and wider society to work together to create and implement policies that ultimately lead to sustainable resource management, including through better planning, technological innovation is an important source of greenhouse gases. Emissions from material production are now comparable to those from agriculture, forestry, and land use change combined, yet they have received much less attention from the climate policy community. The IPR authors propose looking beyond energy efficiency to reduce global carbon footprint. This report was developed by the IRP in response to a request from the Group of 7. It conducts a rigorous assessment of the contribution of GHG emissions from material efficiency strategies applied in residential buildings and

Proven Strategies for Getting a Project LEED® Certified Here is the ideal guide for architects, engineers, interior designers, facility managers, facility managers, and building owners for understanding the project certification process for the Leadership for Energy and Environmental Design (LEED®) for New Construction and Major Renovations (LEED NC), LEED for Core & Shell (LEED CS), and LEED for Commercial Interiors (LEED CI) rating systems of the U.S. Green Building Council (USGBC®). Written by an expert who is the President of Design Management Services, a LEED consulting firm?Guidebook to the LEED Certification Process engages readers by outlining the steps, roles, and responsibilities of the team members in a straightforward, chronological manner that helps streamline the certification process. With the release of the LEED v3 rating systems and a new version of LEED-Online, the Guidebook to the LEED Certification Process helps project teams to streamline the project team efforts and building owners that need guidance navigating a project teams to through the process, this book outlines each step in the design and construction phases including programming and post-occupancy. Serving as a valuable resource for anyone seeking information on how to get a project LEED certified, Guidebook to the LEED Certification Process features: An overview of the integrative design process. Understanding the role of a LEED consultant. How to build a successful team for a project with Green Building Certification Institute (GBCI). Common pitfalls to avoid during the LEED

certification process. Checklists to use during design and construction to keep the team on track. The Essential Reference

Guide to Energy Management

Guide to the LEED Green Associate Exam A Model for Sustainable Design Education

LEED Core Concepts

Greening Brownfields: Remediation Through Sustainable Development

A practical, concise guide to chemical engineering principles and applications Chemical Engineering: The Essential Reference is the condensed but authoritative chemical engineering a pragmatic approach, the book delivers critical content in a convenient format and presents on-the-job topics of importance to the chemical engineer of tomorrow—OM&I (operation, maintenance, and inspection) procedures, nanotechnology, how to purchase equipment, legal considerations, the need for a second language and for oral and written communication skills, and ABET (Accreditation Board for Engineering and Technology) topics for practicing engineers. This is an indispensable resource for anyone working as a chemical engineer or planning to enter the field. Praise for Chemical Engineering: The Essential Reference: "Current and relevant...over a dozen topics not normally addressed...invaluable to my work as a consultant and educator." -Kumar Ganesan, Professor and Department of Environmental Engineering, Montana Tech of the University of Montana "A much-needed and unique book, tough not to like...loaded with numerous illustrative examples...a book that looks to the future and, for that reason alone, will be of great interest to practicing engineers." -Anthony Buonicore Partners Coverage includes: Basic calculations and key tables Process variables Numerical methods and optimization Oral and written communication Second

language(s) Chemical engineering processes Stoichiometry Thermodynamics Fluid flow Heat transfer Mass transfer operations Legal considerations Purchasing equipment Operation, maintenance, and inspection (OM&I) procedures Energy management Water management Nanotechnology Project management Environment management Probability and statistics Economics and finance Ethics Open-ended problems Procedures for Commercial Building Energy Audits provides and provides publication specifically avoids a "cookbook" approach, recognizing that all buildings are different and each analyst needs to exercise a substantial amount of judgment. Instead, Procedures sets out generalized procedures to guide the analyst and the building owner, and provides a uniform method of reporting basic information. Different levels of analysis are organized into the following categories: Preliminary Energy Use Analysis Level II Analysis of Capital-Intensive Modifications The book comes with a CD that provides more

The one-stop guide for choosing a green building rating system Today, sustainability is a growing concern for the architects, designers, builders, and owners of commercial and residential buildings. Meeting the requirements of a rating system provides a metric to evaluate and set priorities. But the variety and complexity of methods available to assess the eco-friendliness of a building can seem overwhelming. Guide to Green Building performance, this book offers solid guidance that will help readers find the rating system that best fits their needs. This easy-to-follow reference includes: An overview of the major national Green Building Standard, and ENERGY STAR® An in-depth look at each rating system, including its evolution, objectives, point structure, levels of certification, benefits, and shortcomings How the ratings systems work for different types of buildings-commercial, multi-family residential construction Illustrated case studies from different climate regions with project descriptions, cost data, and lessons learned by design teams, constructors, and owners An overview of local, regional, and international rating systems demystifies complex material, making this book an essential reference for building Rating Systems demystifies complex material, making this book an essential reference for building Rating Systems demystifies complex material, making this book an essential reference for building Rating Systems demystifies complex material, making this book an essential reference for building Rating Systems demystifies complex material, making this book an essential reference for building Rating Systems demystifies complex material, making this book an essential reference for building Rating Systems demystifies complex material, making this book an essential reference for building Rating Systems demystifies complex material, making this book an essential reference for building Rating Systems demystifies complex material, making this book an essential reference for building Rating Systems demystifies complex material reference for building Rating Systems demystifies complex materials.

than 25 quideline forms, with explanatory material, to illustrate the content and arrangement of a complete, effective energy analysis report. The CD provides these forms in both PDF and Word format, enabling you to customize and print each form.

Explore the Internet of Things and build useful, functioning Photon projects Quickly learn to construct your own electronics devices and control them over the Internet of Things features clear explanations and step-by-step examples that use inexpensive, easy-to-find components. Discover how to connect to Wi-Fi networks, attach hardware to I/O ports, write custom programs, and work from the cloud. You will learn how to troubleshoot and tweak your Photon creations—even interface with social media sites! • Set up your Photon board and connect to the Particle cloud \cdot Start constructing and programming custom IoT projects \cdot Learn the syntax of both the C and Arduino languages \cdot Incorporate switches, sensors, and other input devices \cdot Control hardware through the Photon's outputs \cdot Control your creations through the Internet \cdot Add functions with Particle shields and add-on boards · Link real-time data to your board via the IFTTT Web Service · Integrate with websites—Facebook, Twitter, Gmail, and more!

Greening Existing Buildings

LEED V4 Edition (2016) Guidebook to the LEED Certification Process Principles and Applications for Eastern Africa

Redefining the Practice of Sustainability "This GreenSource guide explains how to transform existing buildings into more energy-efficient, resource-conserving green buildings. The book provides a clear process that guides you, step-by-step, through each phase of moving building operations and maintenance toward the goal of a greencertified building." "Greening Existing Buildings features proven technologies and operating methods, and shows buildings in a cost-effective way. This practical and insightful resource highlights the ten best practices for greening existing buildings, and includes more than 25 case studies of successful implementations and 35 insightful interviews with industry experts and building owners and managers."--BOOK JACKET.

Pass the LEED® AP ID+C EXAM WIth These Proven Strategies Here is the ideal study guide for understanding and preparing for the LEED® AP ID+C exam. Written by an expert who is a LEED consultant and partner at Green Education Services?a premier LEED exam preparation provider?Guide to the LEED® AP Interior Design and Construction (ID+C) Exam engages readers by breaking down difficult concepts in sustainable design and engineering in a clearly organized, straightforward manner that helps streamline the learning process for those seeking participation in the operation and maintenance of existing buildings that implement green practices. Guide to the LEED® AP Interior Design and Construction (ID+C) Exam features: A brief overview of the LEED Green Associate material included in the first portion of this LEED AP exam, along with specific ID+C content A collection of sample test questions and study tips to reinforce learned material. An accessible and stimulating approach that fosters quicker retention. A set of strategies for summarizing critical information and details more effectively. A wealth of material that includes drawings, charts, and diagrams to help understand concepts visually. A total of 128 sample flashcards that allow you to study on the go. Covering the detailed concepts of the LEED for Commercial Interiors Green Building Rating System, this book is an all-inclusive resource for achieving successful results on the LEED AP ID+C exam. Green Education Services (greenedu.com) is a leading provider of green jobs training related to LEED, EPA energy auditing, solar, and more for building developers, architects, engineers, interior designers, planners, commercial real estate brokers, and other construction industry professionals. A national member of USGBC and CAGBC, accredited by the EPA, and an approved GBCI CE provider. Other Michelle Cottrell titles available from Wiley: Guide to the LEED® Green Associate Exam, Guidebook to the LEED® Certification Process: For LEED® for New Construction, LEED® for Core & Shell, and LEED???® for Commercial Interiors, Guide to the LEED® AP Operations and Maintenance (0+M) Exam.

Harness the Latest Advances in Folded Unipole Antenna Technology, Including New Detuning, Geophysical and Biomedical Applications is the first comprehensive sourcebook on the design and uses of folded unipole antenna technology, featuring neverbefore-published mathematical equations and configurations. Written by Jeremy K. Raines, an internationally recognized account of the physics underlying the remarkably compact, broadband, and versatile folded unipole antenna, as well as mathematical models suitable for design and analysis. Filled with helpful illustrations, Folded Unipole Antennas features: Never-before-published electromagnetic field equations that remove obstacles to improving design and extending use A full chapter on detuning, a process that reduces radar scattering cross section and electronically eliminates structures causing unwanted radiation and interference A full chapter about arrays of folded unipoles, featuring a new and easier approach to describing the electromagnetic coupling between elements A wide range of folded unipole antenna applications, including detuning, multiplexing, geophysical prospecting, and biomedical sensing Inside of Introducing the Folded Unipole Antenna of The Simplest Configuration of The Two-Stage Unipole of The Three-Stage Unipole of the Introducing the Folded Unipole of Introducing Inside This Landmark Antenna of Introducing Inside This Landmark Antenna of Introducing Inside The N-Stage Unipole • The Most General Configuration • Antenna End Effect and Top Loading • Arbitrary Cross Sections • Detuning • Arrays of Folded Unipoles • Present and Future Applications Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. A Fully Updated, In-Depth Guide to Water and Wastewater Engineering Thoroughly revised to reflect the

latest advances, procedures, and regulations, this authoritative resource contains comprehensive coverage of the design and construction of municipal water and wastewater facilities. Written by an environmental engineering expert and seasoned academic, Water and Wastewater Engineering: Design Principles and Practice, Second Edition, offers detailed explanations, practical strategies, and design techniques as well as hands-on safety protocols and operation and maintenance procedures. You will get cutting-edge information on water quality standards, corrosion control, piping materials, energy efficiency, direct and indirect potable reuse, and more. Coverage includes: • The design considerations • Intake structures and wells • Chemical handling and storage • Coagulation and flocculation • Lime-soda and ion exchange softening • Reverse osmosis and nanofiltration • Sedimentation • Granular and membrane filtration • Granular and membrane filtration • Removal of specific constituents • Water plant residuals management, process selection, and integration • Storage and distribution systems • Wastewater collection and treatment design considerations • Sanitary sewer design • Headworks and preliminary treatment by suspended growth biological processes • Secondary treatment by attached growth and hybrid biological processes • Tertiary treatment • Advanced oxidation processes • Direct and indirect potable reuse

Guide to the LEED AP Interior Design and Construction (ID+C) Exam Programming the Photon: Getting Started with the Internet of Things

Chemical Technicians' Ready Reference Handbook LEED Reference Guide for Building Design and Construction

Remediation Through Sustainable Development

Material Efficiency Strategies for a Low-carbon Future

Transform brownfields into green development projects This forward-looking resource discusses sustainable remediation methods for converting a land liability into a high-value asset. Greening Brownfields presents best practices and creative thinking on how to increase property value by viewing contaminated sites as lucrative opportunities. The book covers global trends and business drivers related to brownfields and green development, and outlines U.S. and international guidelines and incentive programs. Detailed case studies of worldwide brownfield redevelopment initiatives are included. Greening Brownfields covers: U.S. Environmental Protection Agency U.S. Green Building Council Leadership in Energy and Environmental Design (LEED) World Business Council for Sustainable land planning and land use One Planet Living Green building

"This study guide is a resource to help you prepare for the LEED Green Associate Examination. It summarizes the critical points of green design, construction, and operations. To help you master its content, the guide has been packaged with the Green Building and LEED Core Concepts Guide, one of the reference documents for the LEED Green Associate Exam. Within each category of the guide, you will find a variety of study tools, including category reviews, review questions and worksheets, learning activities, and practice questions"--P. 1.

LEED Reference Guide for Building Design and Construction for Engineering Guide to LEED-New Construction: Sustainable Construction for Engineers (GreenSource) Sustainable Construction for Eng Here is the ideal guide for understanding and preparing for the LEED AP O+M exam. Written by an expert who is a LEED consultant and partner at Green Education Services—a premier LEED exam preparation provider—Guide to the LEED AP Operations + Maintenance (O+M) Exam engages readers by breaking down difficult concepts in

sustainable design and engineering in a clearly organized, straightforward manner that helps streamline the learning process. Covering the detailed concepts of the LEED for Existing Buildings: Operations + Maintenance green building rating system, this book is an all-inclusive resource for achieving successful results on the LEED AP O+M exam. Water and Wastewater Engineering

Trenchless Technology **Advanced MEMS Packaging** Fluid Power Engineering

Evaluating Learning Environments

Hard Copy: an Introduction to LEED and Green Building Upgrade the Energy and Environmental Performance of Existing Buildings This GreenSource guide explains how to transform existing buildings into more energy-efficient, resource-conserving green buildings into more energy-efficient, resource guide explains how to transform existing buildings into more energy-efficient, resource-conserving green buildings and maintenance toward the goal of a green-certified building. Greening Existing Buildings features proven technologies and operating methods, and shows building owners and facility managers how to green buildings in a cost-effective way. This practical and insightful resource highlights the ten best practices for greening existing buildings, and includes more than 25 case studies of successful implementations and 35 insightful interviews with industry experts and managers. Greening Existing Buildings covers: Economic drivers and managers and managers. Greening Existing Buildings covers: Economic drivers and buildings Buildings rating Making the business case for greening existing buildings Cost of greening and setting realistic project budgets Energy-efficient building upgrades Sustainable site management and water conservation retrofits Crafting purchasing and waste management policies Upgrading indoor environmental quality Managing a LEED

for Existing Buildings: Operations and Maintenance (EBOM) certification project, from beginning to end "The members of 7group and Bill Reed are examples writ large of the kind of leadership that is taking this idea of green building practice, and design process." —from the Foreword by S. Rick Fedrizzi President, CEO, and Founding Chair, U.S. Green Building Council A wholebuilding approach to sustainability. The integrative design process offers a new path to making better green building: Redefining the Practice of Sustainability, 7 group's principals and integrative design pioneer Bill Reed introduce design and construction professionals to the concepts of whole building design and whole systems. With integrative design and other professionals on incorporating integrative design into every phase of a project. This practical manual: Explains the philosophy and underpinnings of effective integrative design, addressing system perspective Details how to implement integrative design from the discovery phase to occupancy, supported by process outlines, itemized tasks, practice examples, case studies, and real-world stories illustrating the nature of this work Explores the deeper understanding of integration that is required to transform architectural practice and our role on the planet This book, both practical and thoughtful, will help you deliver your vision of a sustainable environment. 7group, based in Kutztown, Pennsylvania, includes principals John Boecker, Scot Horst, Tom Keiter, Andrew Lau, Marcus Sheffer, and Brian Toevs, who bring a unique integration of expertise in design, engineering, energy and daylight modeling, materials assessments, commissioning, education, and communications to their work. Internationally recognized thought leaders in the green building movement, they have led countless teams through the practical implementation of integrative design on building projects of all types around the world. 7group also has been directly and deeply involved with the development of the LEED® Green Building Rating System,

including experience on more than 100 LEED projects. Scot Horst currently serves as chair of the U.S. Green Building Council's LEED Steering Committee. Facility performance evaluations inform the long-term life of a building and do not end with design or construction. To this aim, Patricia Andrasik created LEED Lab, in collaboration with the US Green Building Council, an increasingly popular international interdisciplinary collegiate laboratory course, which utilizes campus buildings as demonstration sites to facilitate the green assessment of existing buildings. LEED Lab: A Model for Sustainable Design Education uses the LEED O+M building rating system to measure and achieve performance-driven campus facilities in which the readers work and operate. The book explains in simple terms the theory, tasks, tools and techniques necessary for credit implementation and achievement, and includes case studies and exercises for practical application in each chapter. Readers will learn the conceptual scientific framework used to understand existing operational performance and how to quantify sustainable synergies, create green campus policies with administrators, and understand systems such as energy and water in a research-based application. The entire manual is accompanied by a vast online 'Teaching Toolkit' to provide helpful educational resources, web resources, and much more. An excellent guide for undergraduate or graduate students enrolled in LEED Lab or a similar campus building assessment course, as well as construction or architectural professionals and facility managers, this manual navigates the complexities of using a green building diagnostic tool such as LEED O+M towards

greater environmental literacy. The Platinum Edition presents the complete content of Perry's Chemical Engineer's Handbook, Seventh Edition, in both print and electronic formats packaged together and now available at one great price. The print Handbook is the world renowned source to chemical engineering practices--covering everything from the fundamentals to details on compuer applications and control, as well as the newest advances in your field. The accompanying CD, with its exclusive set is expressively designed for engineers with the highest standards--professionals who will settle for nothing less than the outstanding, superior-quality reference tools in this Platinum Edition. Two great reference tools--available at one great price! On the CD-ROM *The entire text of Perry's Chemical Handbook, Seventh Edition *75 interactive equations *On-screen problem-solving: math formulas, calculations, graphs, and tables *Automatic conversions from U.S. to metric (SI) standard units *Fully searchable Adobe Acrobat format *Hyperlinked Table of Contents and Index Minimum System Requirements PC with 486 or higher processor Microsoft Windows 3.1, Windows 95, or Windows NT 3.5.1 or later / 16 MB of RAM 25 MB of available hard-disk spaceSVGA monitor / 2x CD-ROM drive / Mouse

Pipeline and Utility Design, Construction, and Renewal **Construction Databook: Construction Materials and Equipment**

Construction Materials and Equipment Sustainable Building Design for Tropical Climates

Internal Combustion Engine Fundamentals

One Man's Journey To Green The World's Largest Industry