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Floating Offshore Wind Farms Laura Castro-Santos 2016-03-05 This book provides an overview of floating offshore wind farms and focuses on the economic aspects of this renewable-energy technology. It presents economic maps demonstrating the main costs, and explores various important aspects of floating offshore wind farms. It examines topics including offshore wind turbines, floating offshore wind platforms, mooring and anchoring, as well as offshore electrical systems. It is a particularly useful resource in light of the fact that most water masses are deep and therefore not suitable for fixed offshore wind farms. A valuable reference work for students and researchers interested in naval and ocean engineering and economics, this book provides a new perspective on floating offshore wind farms, and makes a useful contribution to the existing literature.

How to Build and Furnish a Log Cabin W. Ben Hunt 1974-11-15 The author discusses the cabin and its site, logs and materials needed, tools, foundations and fireplaces, walls, etc. Special sections on rustic furniture.

Flood Risk Assessment and Management Andreas H. Schumann 2011-01-04 Flood catastrophes which happened world-wide have shown that it is not sufficient to characterize the hazard caused by the natural phenomenon "flood" with the well-known 3M-approach (measuring, mapping and modelling). Due to the recent shift in paradigms from a safety oriented approach to risk based planning it became necessary to consider the harmful impacts of hazards. The planning tasks changed from attempts to minimise hazards towards interventions to reduce exposure or susceptibility and nowadays to enhance the capacities to increase resilience. Scientific interest shifts more and more towards interdisciplinary approaches, which are needed to avoid disaster. This book deals with many aspects of flood risk management in a comprehensive way. As risks depend on hazard and vulnerabilities, not only geophysical tools for flood forecasting and planning are presented, but also socio-economic problems of flood management are discussed. Starting with precipitation and meteorological tools to its forecasting, hydrological models are described in their applications for operational flood forecasts, considering model uncertainties and their interactions with hydraulic and groundwater models. With regard to flood risk planning, regionalization aspects and the options to utilize historic floods are discussed. New hydrological tools for flood risk assessments for dams and reservoirs are presented. Problems and options to quantify socio-economic risks and how to consider them in multi-criteria assessments of flood risk planning are discussed. This book contributes to the contemporary efforts to reduce flood risk at the European scale. Using many real-world examples, it is useful for scientists and practitioners at different levels and with different interests.

Home Power 2003

Generadores en proyectos de cooperación Santiago Arnalich 2013-12-16 Los generadores son una parte imprescindible de muchos proyectos a la vez que generan unos gastos muy importantes. Este libro te introduce en ellos desde la perspectiva de la gestión. No se trata de hacerte instalador electricista o mecánico, sino de elegir el generador más conveniente para tu proyecto y hacerlo funcionar de una manera lo más económica posible. Aprenderás a mejorar instalaciones existentes, determinar la potencia necesaria, elegir de manera informada entre las distintas opciones disponibles, supervisar los aspectos claves de la instalación y a evitar derroches de energía que comprometan la sostenibilidad de los proyectos.

Evil Star Anthony Horowitz 2013 After his experiences at Raven's Gate, 14-year-old Matt Freeman thinks his days of battling evil are over. But soon he is pulled into another adventure when he discovers a second gate exists. Matt and his friend Richard travel to Peru and, assisted by a secret organization, follow a series of clues to the gate's whereabouts.

After Life John Edward 2004 The psychic television host discusses his life, work, and experiences; answers questions about the mediumship process; and offers messages of healing and hope.

Nightrise Anthony Horowitz 2013 14-year-old twins Jamie and Scott Tyler are performing a mind-reading act in a dingy theatre. But when a sinister multinational corporation, Nightrise, kidnaps Scott, Jamie is left alone - and wanted for murder.

World Energy Outlook 2019 International Energy Agency 2019-11-13 The World Energy Outlook series is a leading source of strategic insight on the future of energy and energy-related emissions, providing detailed scenarios that map out the consequences of different energy policy and investment choices. This year's edition updates the outlooks for all fuels, technologies and regions, based on the latest market data, policy initiatives and cost trends. In addition, the 2019 report tackles some key questions in depth: (i) What do the shale revolution, the rise of liquefied natural gas, the falling costs of renewables and the spread of digital technologies mean for tomorrow's energy supply?; (ii) How can the world get on a pathway to meet global climate targets and other sustainable energy goals?; (iii) What are the energy choices that will shape Africa's future, and how might the rise of the African consumer affect global trends?; (iv) How large a role could offshore wind play in the transformation of the energy sector?; (v) Could the world's gas grids one day deliver low-carbon energy?

How We Reason Philip Johnson-Laird 2008-10-23 Good reasoning can lead to success; bad reasoning can lead to catastrophe. Yet, it's not obvious how we reason, and why we make mistakes - so much of our mental life goes on outside our awareness. In recent years huge strides have been made into developing a scientific understanding of reasoning. This new book by one of the pioneers of the field, Philip Johnson-Laird, looks at the mental processes that underlie our reasoning. It provides the most accessible account yet of the science of reasoning. We can all reason from our childhood onwards - but how? 'How we reason' outlines a bold approach to understanding reasoning. According to this approach, we don't rely on the laws of logic or probability - we reason by thinking about what's possible, we reason by seeing what is common to the possibilities. As the book shows, this approach can answer many of the questions about how we reason, and what causes mistakes in our reasoning that can lead to disasters such as Chernobyl. It shows why our irrational fears may become psychological illnesses, why terrorists develop 'crazy' ideologies, and how we can act in order to improve our reasoning. The book ends by looking at the role of reasoning in three extraordinary case histories: the Wright brothers' use of analogies in inventing their flyer, the cryptanalysts' deductions in breaking the German's

Enigma code in World War II, and Dr. John Snow's inductive reasoning in discovering how cholera spread from one person to another. Accessible, stimulating, and controversial, *How we Reason* presents a bold new approach to understanding one of the most intriguing facets of being human.

2018 5th International Symposium on Environment Friendly Energies and Applications (EFEA) IEEE Staff 2018-09-24 Methods and technologies for production, distribution, storage, and utilization of renewables energies renewable and sustainable energy systems, hybrid transportation systems and energy security The conference topics are focused on policy low energy building and architecture advanced power systems electric and hybrid vehicles control wind and hybrid renewable energy systems solar thermal and geothermal energy systems hydrogen and fuel cells hydropower and marine energy energy storage biomass materials in renewable energy technologies education and career eco design

Stroud's Digest on the Diseases of Birds Robert Stroud 1964

Photovoltaic Systems Engineering, Third Edition Roger A. Messenger 2010-02-26 The U.S. Department of Energy now estimates a factor of 14 increase in grid-connected systems between 2009 and 2017, depending upon various factors such as incentives for renewables and availability and price of conventional fuels. With this fact in mind, *Photovoltaic Systems Engineering, Third Edition* presents a comprehensive engineering basis for photovoltaic (PV) system design, so engineers can understand the what, why, and how associated with the electrical, mechanical, economic, and aesthetic aspects of PV system design. Building on the popularity of the first two editions, esteemed authors Roger Messenger and Jerry Ventre explore the significant growth and new ideas in the PV industry. They integrate their experience in system design and installation gained since publication of the last edition. Intellectual tools to help engineers and students to understand new technologies and ideas in this rapidly evolving field The book educates about the design of PV systems so that when engineering judgment is needed, the engineer can make intelligent decisions based on a clear understanding of the parameters involved. This goal differentiates this textbook from the many design and installation manuals that train the reader how to make design decisions, but not why. The authors explain why a PV design is executed a certain way, and how the design process is actually implemented. In exploring these ideas, this cutting-edge book presents: An updated background of energy production and consumption Mathematical background for understanding energy supply and demand A summary of the solar spectrum, how to locate the sun, and how to optimize the capture of its energy Analysis of the components used in PV systems Also useful for students, the text is full of additional practical considerations added to the theoretical background associated with mechanical and structural design. A modified top-down approach organizes the material to quickly cover the building blocks of the PV system. The focus is on adjusting the parameters of PV systems to optimize performance. The last two chapters present the physical basis of PV cell operation and optimization. Presenting new problems based upon contemporary technology, this book covers a wide range of topics—including chemistry, circuit analysis, electronics, solid state device theory, and economics—this book will become a relied upon addition to any engineer's library.

Portrait of Fear Edward Taylor 2005 A team from Crescent TV is filming a documentary about ghosts at Renfield Hall. All is going well until a heavy lamp mysteriously falls from its stand, injuring Joe, a technician. Shortly afterwards, blood appears on the portrait of Philomel, a young beauty murdered at the Hall in Victorian times. The events of Philomel's murder have frightening parallels in the lives of everyone present. The elements of a ghost story combine with those of a murder thriller to produce a drama with numerous satisfying twists. 2 women, 3 men

C++ FAQs Marshall P. Cline 1998-12-11 In a concise and direct question-and-answer format, *C++ FAQs, Second Edition* brings you the most efficient solutions to more than four hundred of the practical programming challenges you face every day. Moderators of the on-line C++ FAQ at comp.lang.c++.nongui.com, Marshall Cline, Greg Lomow, and Mike Girou are familiar with C++ programmers' most pressing concerns. In this book, the authors concentrate on those issues most critical to the professional programmer's work, and they present more explanatory material and examples than is possible on-line. This book focuses on the effective use of C++, helping programmers avoid combining seemingly legal C++ constructs in incompatible ways. This second edition is completely up-to-date with the final ANSI/ISO C++ Standard. It covers some of the smaller syntax changes, such as "mutable"; more significant changes, such as RTTI and namespaces; and such major innovations as the C++ Standard Library, including the STL. In addition, this book discusses technologies such as Java, CORBA, COM/COM+, and ActiveX—and the relationship all of these have with C++. These new features and technologies are iconed to help you quickly find what is new and different in this edition. Each question-and-answer section contains an overview of the problem and solution, fuller explanations of concepts, directions for proper use of language features, guidelines for best practices and practices to avoid, and plenty of working, stand-alone examples. This edition is thoroughly cross-referenced and indexed for quick access. Get a value-added service! Try out all the examples from this book at www.codesaw.com. CodeSaw is a free online learning tool that allows you to experiment with live code from your book right in your browser.

Electronics World 2000

Photovoltaic Systems Engineering Roger A. Messenger 2017-03-07 The primary purpose of *PV Systems Engineering* is to provide a comprehensive set of PV knowledge and understanding tools for the design, installation, commissioning, inspection, and operation of PV systems. During recent years in the United States, more PV capacity was installed than any other electrical generation source. In addition to practical system information, this new edition includes explanation of the basic physical principles upon which the technology is based and a consideration of the environmental and economic impact of the technology. The material covers all phases of PV systems from basic sunlight parameters to system commissioning and simulation, as well as economic and environmental impact of PV. With homework problems included in each chapter and numerous design examples of real systems, the book provides the reader with consistent opportunities to apply the information to real-world scenarios.

Log Cabins and Outbuildings The United States Department of Agriculture 2019-11-12 A homesteader's building guide with original USDA plans for over 30 DIY projects, from farmhouses to firepits. Homesteading is a lifestyle that people around the world gravitate toward—and for good reason. In today's high-stress world, many people dream of heading off to their own cabin in the woods or to their large rural oasis to escape the anxieties and complexities of daily life, to live in a more natural state. Others have embraced the agricultural lifestyle of farming as a career, serving as fundamental contributors to sustaining society. With this classic guide from the US Department of Agriculture (USDA), learn about the architecture of rural life and the design elements of these amazing structures. This manual, originally published and distributed in 1972, includes government-issued designs and requirements for log cabins, farmhouses, firepits and barbecues, greenhouses, storage sheds, stables, and more! Black-and-white diagrams and illustrations fill these pages, displaying the intricacies and dimensions of these incredible structures in their entirety. Brimming with ideas and inspiration, *Log Cabins and Outbuildings* is the perfect starting point for building your new rural retreat.

The Writing Revolution Judith C. Hochman 2017-08-07 "HELP! My Students Can't Write!" Why You Need a Writing Revolution in Your Classroom and How to Lead It. *The Writing Revolution (TWR)* provides a clear method of instruction that you can use no matter what subject or grade level you teach. The model, also known as The Hochman Method, has demonstrated, over and over, that it can turn weak writers into strong communicators by focusing on specific techniques that match their needs and by providing them with targeted feedback. Insurmountable as the challenges faced by many students may seem,

TWR can make a dramatic difference. And the method does more than improve writing skills. It also helps: Boost reading comprehension Improve organizational and study skills Enhance speaking abilities Develop analytical capabilities TWR is as much a method of teaching content as it is a method of teaching writing. There's no separate writing block and no separate writing curriculum. Instead, teachers of all subjects adapt the TWR strategies and activities to their current curriculum and weave them into their content instruction. But perhaps what's most revolutionary about the TWR method is that it takes the mystery out of learning to write well. It breaks the writing process down into manageable chunks and then has students practice the chunks they need, repeatedly, while also learning content.

Windpower Workshop Hugh Piggott 2000-01 As the financial and environmental costs of fossil fuels continue to rise, the ancient art of windpower is making a steady comeback, and many countries are promoting wind energy generation as part of a drive toward a sustainable future. Yet many environmental enthusiasts prefer a more do-it-yourself approach.

"Windpower Workshop" provides all the essential information for people wanting to build and maintain a windpower system for their own energy needs. Hugh Piggott runs his own successful windpower business in Scotland.

Cabin Style Chase Reynolds Ewald 2019-08-06 The co-authors of *American Rustic* share inspirations for rustic elegance in home design for those who love living well in wild places. This gorgeously photographed volume offers visions of refined cabin style by top designers, builders, architects, and artists. From Napa to Nashville and along the Rocky Mountain spine, each project reflects the ways we live, and play, in nature. Whether a bison ranch, a log fishing cabin, a stone guest house, a lakeside retreat, a ski chalet, or a wine country barn, each home exhibits whimsical, playful, comfortable, and welcoming interiors and architecture—always inspired by the land. The homes curated in *Cabin Style* represent a fresh look at the genre, from traditional to transitional to modern. Interviews with architects, designers, builders and owners illuminate both the backstory and the creative process. Photographer Audrey Hall and writer Chase Reynolds Ewald have collaborated on five books, with their book *American Rustic* being named one of Best Home Design Books of 2015 by *Architectural Digest*.

The Heart of the Mind Jane Katra 2011-08-01 Targ and Katra show us how we are hard-wired for higher consciousness. At the core of *The Heart of the Mind* is the idea that by learning to direct intentional and selfless attention onto awareness itself, the transformative experience of radiating spiritual power and peace, may be realized by any sincere seeker without dogma, or religious belief.

Cabin Living The Editors of *Cabin Living Magazine* 2017-10-01 A tour through America's favorite cabins Created in partnership with *Cabin Living* magazine. An inspirational celebration of one of America's icons. Handsomely designed with more than 300 color photographs. *Cabin Living* is a collection of twenty-five of the best stories covering legacy cabins, dream cabins, as well as tiny cabins from across the United States. In addition, floor plans, hundreds of full-color photos, maintenance and decorating sidebars, outdoor living and recreation features, and anecdotes about family gatherings, traditions, all give expert advice about how to achieve the cabin state-of-mind. *Cabin Living* magazine provides stories and expert advice about cabin maintenance, decorating, DIY projects, remodeling, outdoor living and recreation, hosting and more.

Off-shore Drilling Rigs H.P. Drewry (Shipping Consultants) Limited 1974

Dumb Ideas Won't Create Smart Kids Eric M. Hass 2014-06-27 If you want to actually do something about providing excellent education for every child in America, this book is for you. Using insights from cognitive science, educational research, and the social sciences, the authors examine the compelling nature of four "dumb ideas" at the center of current education policy and practice: (1) simplifying knowledge helps students learn more and faster, (2) teaching and learning are a matter of proper transmission of good content, (3) homogenous environments ease learning, and (4) more standardized data and rigorous controls of our schooling will solve all our problems. The authors then present research that consistently shows why smart K - 12 education will not be achieved by current policies and practices, such as high-stakes standardized tests, homogenous grouping, and abbreviated teacher preparation. This lively book offers solutions for changing the harmful disconnect between our goals and the means we employ to get there, including key "smart ideas" and a set of how-to actions that will lead to great schools for every child.

Motorboating - ND 1935-01

Advancements in Electric Machines J. F. Gieras 2008-11-14 Traditionally, electrical machines are classified into d. c. commutator (brushed) machines, induction (asynchronous) machines and synchronous machines. These three types of electrical machines are still regarded in many academic curricula as fundamental types, despite that d. c. brushed machines (except small machines) have been gradually abandoned and PM brushless machines (PMBM) and switched reluctance machines (SRM) have been in mass production and use for at least two decades. Recently, new topologies of high torque density motors, high speed motors, integrated motor drives and special motors have been developed. Progress in electric machines technology is stimulated by new materials, new areas of applications, impact of power electronics, need for energy saving and new technological challenges. The development of electric machines in the next few years will mostly be stimulated by computer hardware, residential and public applications and transportation systems (land, sea and air). At many Universities teaching and research strategy oriented towards electrical machinery is not up to date and has not been changed in some countries almost since the end of the WWII. In spite of many excellent academic research achievements, the academia-industry collaboration and technology transfer are underestimated or, quite often, neglected. Underestimation of the role of industry, unfamiliarity with new trends and restraint from technology transfer results, with time, in lack of external financial support and drastic decline in the number of students interested in Power Electrical Engineering.

The Design Pathway for Regenerating Earth Joe Brewer 2021-04-15 Humanity is confronted with threats unprecedented in the history of our species. There is an urgent need to describe the "how" for managing the convergent threats of ecological overshoot and civilization collapse. This book offers a clear and cogent pathway for safeguarding humanity's future through an extended period of cascading consequences. To a great extent, the rest of our lives will be defined to a great extent by how those who understand our global predicament organize and cooperate with one other. We are in the midst of a planetary change process that extends far beyond a human lifetime. Most of us experience a kind of intergenerational amnesia—having never seen an intact ecosystem or a healthy human economy at any point in our lives. How can we design our way through the struggles that now lie ahead? We design by embracing the fundamental insight that all living systems self-organize around the patterns of regeneration. Applied to the scale of entire landscapes, this reveals how all truly sustainable human cultures throughout history were organized at the territorial scale as bioregional economies. A planet-wide network of learning ecosystems is needed that can hold the complexity of birthing these regenerative bioregions during and after the rest of the collapse that we were all born into. This book offers genuine hope. There truly is a pathway to regenerate the Earth. It is not to be found in the shallow optimism of technofixes or consumer choices. Nothing short of a spiritual revival of indigenous lifeways will do. Combined with the best scientific knowledge about human behavior, cultural evolution, and the dynamic Earth; a path can be made by walking it throughout the rest of this century and beyond.

On-chip High-Voltage Generator Design Toru Tanzawa 2015-09-25 This book provides various design techniques for switched-capacitor on-chip high-voltage generators, including charge pump circuits, regulators, level shifters, references, and

oscillators. Readers will see these techniques applied to system design in order to address the challenge of how the on-chip high-voltage generator is designed for Flash memories, LCD drivers, and other semiconductor devices to optimize the entire circuit area and power efficiency with a low voltage supply, while minimizing the cost. This new edition includes a variety of useful updates, including coverage of power efficiency and comprehensive optimization methodologies for DC-DC voltage multipliers, modeling of extremely low voltage Dickson charge pumps, and modeling and optimum design of AC-DC switched-capacitor multipliers for energy harvesting and power transfer for RFID.

Schooled Paul Langan 2008-09-30 With low grades and bad advice from friends and family, Lionel Shepard has a hard time achieving his dream of playing basketball for Bluford High.

Wind Power Generation and Wind Turbine Design Wei Tong 2010-04-30 The purpose of this book is to provide engineers and researchers in both the wind power industry and energy research community with comprehensive, up-to-date, and advanced design techniques and practical approaches. The topics addressed in this book involve the major concerns in the wind power generation and wind turbine design.

Building Vocabulary Skills, Short Version Sherrie Nist-Olejnik 2002-01-01

The Dental Cosmos J. D. White 1877

Generators in development projects Santiago Arnalich 2014-03-29 Generators are an essential part of many projects and give rise to a very significant expenditure. This book introduces you to them from the management perspective. It is not about turning you into an electrician or a mechanic but about choosing the most suitable generator for your project and running it in the most economical way possible. You will learn how to improve existing installations, determine the power required, make informed choices between the different available options, oversee key aspects of the installation and avoid wasting energy that compromises the sustainability of the projects.

Raven's Gate Anthony Horowitz 2013 Matt has always known he has unusual powers. Raised in foster care, he is sent to Yorkshire on a rehabilitation programme, only to find himself in the midst of sinister goings-on centring on a battle between eight guardians and a group of devil worshippers seeking to release evil ones who must be stopped.

Stand-alone and Hybrid Wind Energy Systems J. K. Kaldellis 2010-08-26 Wind power generation is fast becoming one of the leading renewable energy sources worldwide. Reliability of power supply is one of the main issues for wind energy systems, and so improved stand-alone and hybrid wind energy systems are being developed, incorporating advanced energy storage and grid integration systems, in order to increase power generation rates and to provide secure power supply to the end user. This book provides a comprehensive reference on the development of both stand-alone and hybrid wind energy systems, as well as energy storage systems and overall systems integration with local grids. Chapters cover the design/construction, modeling/simulation, monitoring/control, and optimization of stand-alone and hybrid wind energy technologies, reviewing their current state and future development. Further to this, many of the energy storage and distribution systems covered in the book are also applicable to other renewable energy generation technologies.

Why Complacency Kills 2019 Why Complacency Kills is a groundbreaking book that unearths the greatest dilemma across life and business of our time - complacency. Through relatable metaphors, scientific analogies and personal anecdotes, Hassan Younes takes us on a journey that outlines the hidden issues holding us back and jeopardizing advancement, as he unveils the path to better health, happiness and success in career and business. Hassan's writing is dynamic and engaging, speaking on a level that appeals to everyone. His book is sure to spark growing interest in the impacts complacency can have for us. If being at your best in career, business or life is one of your priorities, then you will find it hard to put this book down unless you start implementing some of his suggestions right away in order to improve your life immediately! From the outset, Hassan outlines the concept of success as being an innate human ability programmed into our DNA. This launching point sets up the parameters for what is to come. Hassan frames the aspects of behaviour that drive our success, he reasons envy and jealousy as natural processes, and in doing so, disarms anyone experiencing these emotions as you flick through the pages ahead. His wisdom as a thinker comes to the forefront through the assertion that complacency essentially hinders our path to success. Happiness is elusive, he says, and contentment lulls people into achieving less than they can achieve. Younes champions the importance of making change to avoid such stagnation. Innovation of the mind, spirit and thought, force people to grow; and mental inertia is very much a real thing. Pay attention to the company that you keep, drink up the wisdom shared in the following chapters, as surely when you reflect upon these, as they may well save you from a death of sorts by the real threat that is complacency. Since you have picked up this book or perhaps it has found its way into your hands by chance, it probably is the right book for you to read right now. Whether in life or business, the constructs Hassan Younes explores are as relevant to both. Yet, when we look at the slim success rates businesses face these days, this book may hold the insights that can make the difference between make or break of the later. Understanding just how undermining and dangerous complacency can be to us in all areas of our lives means that moving forward we can be aware, take preventative steps and employ strategies to by-pass the potential threats of complacency. You will uncover why we all need to do this in these pages.

The low power scrapbook Radio Society of Great Britain 2001

The Handbook of Tennis Paul Douglas 1992

The Gatekeepers #3: Nightrise Anthony Horowitz 2012-04-01 The third heart-pounding book in #1 NYT bestselling author Anthony Horowitz's spellbinding The Gatekeepers series. A gate has been opened. The Old Ones have been released. And now the third and fourth of The Five -- twins with a mysterious psychic bond -- are joining the fight.