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Wind Energy Engineering: A Handbook for Onshore and Offshore Wind Turbines is the most advanced, up-to-date and research-focused text on all aspects of wind energy engineering. Wind energy is pivotal in global electricity generation and for achieving future essential energy demands and targets. In this fast moving field this must-have edition starts with an in-depth look at the present state of wind integration and distribution worldwide, and continues with a high-level assessment of the advances in turbine technology and how the investment, planning, and economic infrastructure can support those innovations. Each chapter includes a research overview with a detailed analysis and new case studies looking at how recent research developments can be applied. Written by some of the most forward-thinking professionals in the field and giving a complete examination of one of the most promising and efficient sources of renewable energy, this book is an invaluable reference into this cross-disciplinary field for engineers. Contains analysis of the latest high-level research and explores real world application potential in relation to the developments Uses system international (SI) units and imperial units throughout to appeal to global engineers Offers new case studies from a world expert in the field Covers the latest research developments in this fast moving, vital subject

Forget the Fad Diets, Join the Food Freedom Movement!
Counting calories is out. All the food groups are in.
Becoming trim and healthy doesn't have to be difficult or

painstaking anymore. After trying almost every fad diet out there, Serene Allison and Pearl Barrett, creators of the Trim Healthy Mama movement, took matters into their own hands. Through trial and error and much research, they created the Trim Healthy Mama Plan, the breakthrough lifestyle program to help readers of all ages and stages get healthy, slim down and keep off the weight once and for all. Based on the authors' successful self-published book, this simplified, improved, practical plan shows readers a unique way to lose weight and get healthy by eliminating sugar, and still eating hearty, delicious food. The biblically-sound and highly effective eating approach centers on Satisfying meals (which include more fats and protein) and Energizing meals (which include more carbs and protein), as they are the key to success. Scrumptious whole, unprocessed foods, including fats, blood sugar friendly grains, proteins, fruits, and vegetables, are eaten in a way that boosts metabolism, yet still fits into anyone's hectic lifestyle. It's family friendly and effective for pregnant and nursing mothers, pre or post- menopausal women, and also those without weight or health issues—even men and growing children. The book includes menu plans, a list of key super foods to eat on plan, time-saving tips, and pantry stocking and lifestyle advice to help readers successfully reach their goals. Join the Trim Healthy Mama movement and along with thousands of others, and discover the groundbreaking, easy-does-it, and delicious way to eat for health and weight loss.

Advances in Hydrogen Production, Storage and Distribution reviews recent developments in this key

component of the emerging "hydrogen economy," an energy infrastructure based on hydrogen. Since hydrogen can be produced without using fossil fuels, a move to such an economy has the potential to reduce greenhouse gas emissions and improve energy security. However, such a move also requires the advanced production, storage and usage techniques discussed in this book. Part one introduces the fundamentals of hydrogen production, storage, and distribution, including an overview of the development of the necessary infrastructure, an analysis of the potential environmental benefits, and a review of some important hydrogen production technologies in conventional, bio-based, and nuclear power plants. Part two focuses on hydrogen production from renewable resources, and includes chapters outlining the production of hydrogen through water electrolysis, photocatalysis, and bioengineered algae. Finally, part three covers hydrogen production using inorganic membrane reactors, the storage of hydrogen, fuel cell technology, and the potential of hydrogen as a fuel for transportation. *Advances in Hydrogen Production, Storage and Distribution* provides a detailed overview of the components and challenges of a hydrogen economy. This book is an invaluable resource for research and development professionals in the energy industry, as well as academics with an interest in this important subject. Reviews developments and research in this dynamic area Discusses the challenges of creating an infrastructure to store and distribute hydrogen Reviews the production of hydrogen using electrolysis and photo-catalytic methods

A vivid forecast of our planet in the year 2050 by a rising star in geoscience, distilling cutting-edge research into four global forces: demographic trends, natural resource demand, climate change, and globalization. The world's population is exploding, wild species are vanishing, our environment is degrading, and the costs of resources from oil to water are going nowhere but up. So what kind of world are we leaving for our children and grandchildren? Geoscientist and Guggenheim fellow Laurence Smith draws on the latest global modeling research to construct a sweeping thought experiment on what our world will be like in 2050. The result is both good news and bad: Eight nations of the Arctic Rim (including the United States) will become increasingly prosperous, powerful, and politically stable, while those closer to the equator will face water shortages, aging populations, and crowded megacities sapped by the rising costs of energy and coastal flooding. *The World in 2050* combines the lessons of geography and history with state-of-the-art model projections and analytical data-everything from climate dynamics and resource stocks to age distributions and economic growth projections. But Smith offers more than a compendium of statistics and studies- he spent fifteen months traveling the Arctic Rim, collecting stories and insights that resonate throughout the book. It is an approach much like Jared Diamond took in *Guns, Germs, and Steel and Collapse*, a work of geoscientific investigation rich in the appreciation of human diversity. Packed with stunning photographs, original maps, and informative tables, this is the most authoritative, balanced, and compelling

account available of the world of challenges and opportunities that we will leave for our children. Presents a companion to the exhibition celebrating the works of William Steig.

This volume comprises papers prepared for the 8th World Conference on Continuing Professional Development (Bologna, Italy, 18-20 August 2009). Within the broad theme of creating a positive work environment for a multi-generational workforce in library and information organizations, the conference addresses managing between and across generations, mentoring and coaching, attracting people to the profession and developing a new generation of leaders, re-skilling and transferability of skills, succession planning and passing on knowledge.

This book gathers selected peer-reviewed papers presented at the 6th European Lean Educator Conference (ELEC), held in Milan, Italy, on November 11-13, 2019. The conference topics include the following: lean trainings in university and industry collaborations; lean product and process development; lean and people empowerment; emerging contexts for lean applications; measuring lean performance; lean, green and circular; continuous improvement initiatives; lean thinking in practice; organizational culture in lean journeys; and innovative training approaches to teaching lean management. The contributions explore the latest academic and industrial findings on and advances in lean education, and identify innovative methods that allow lean thinking benefits to be achieved in practice. As such, the book presents the outcomes of a fruitful

exchange between academia and industry designed to help train the next generation of lean educators. Known for their expertise in ROI, Jack and Patricia Phillips have contributed to another area in the field of measurement and evaluation. Together with Bruce Aaron, they're offering a useful tool to help learning and development professionals design and administer surveys and questionnaires. Written in the accessible style of ASTD Basics books, this volume covers:

- the purpose of surveys and questionnaires
- types of error that can creep into survey results
- considerations when developing survey questions
- tricks to ensure positive response rates
- content on validity and reliability
- approaches to data analysis and reporting results.

In addition to content on survey design, the book includes a section that evaluates various survey technologies. By applying a simple decision-making process, readers can identify the most appropriate survey tool for their needs.

Jaguar Cars features 50 of Jaguar's most iconic models through James Mann's stunning photography, from the original SS Jaguar to today's F-Type sports cars and the C-X75 supercar concept.

The only biography of its kind, *Lincolnomics* narrates The Great Emancipator's untold legacy as The Great Builder of American infrastructure—developer of an economic

ladder to democracy through national transportation, public education, and market access Lincoln's view of the right to fulfill one's economic destiny was at the core of his governing philosophy—but he knew no one could climb that ladder without strong federal support. Some of his most enduring policies came to him before the Civil War, visions of a country linked by railroads running ocean to ocean, canals turning small towns into bustling cities, public works bridging farmers to market. Expertly appraising the foundational ideas and policies on infrastructure that America's sixteenth president rooted in society, John F. Wasik tracks Lincoln from his time in the 1830s as a young Illinois state legislator pushing internal improvements; through his work as a lawyer representing the Illinois Central Railroad in the 1840s; to his presidential fight for the Transcontinental Railroad; and his support of land-grant colleges that educated a nation. To Lincoln, infrastructure meant more than the roads, bridges, and canals he shepherded as a lawyer and a public servant. These brick-and-mortar developments were essential to a nation's lifting citizens above poverty and its isolating origins. *Lincolnomics* revives the disremembered history of how Lincoln paved the way for Eisenhower's interstate highways and FDR's social amenities. With an afterword addressing the failure of American infrastructure during the COVID-19 pandemic, and how Lincoln's policies provide a guide to the future, *Lincolnomics* makes the case for the man nicknamed "The Rail Splitter" as the Presidency's greatest builder.

Reflects philosophy of Model Curriculum Guide for the

English-Language Arts (K-8).

This is the only book that completely lists accurate technical data for all cars imported into the U.S. market from 1946-2000. With many imports approaching the antique status, this book will be a big seller across all generations of car enthusiasts. From the grandiose European carriages of the late Forties to the hot, little Asian imports of the Nineties, every car to grace American roadways from across the Atlantic and Pacific is carefully referenced in this book.

& break; & break; Foreign car devotees will appreciate the attention given to capturing precise data on Appearance and Equipment, Vehicle I.D. Numbers, Specification Charts, Engine Data, Chassis, Technical Data, Options and Historical Information. & break; & break; Collectors, restorers and car buffs will love this key book from noted automotive authors, James Flammang and Mike Covello. This book constitutes the refereed proceedings of the 6th Joint International Conference on Serious Games, JCSG 2020, held in Stoke-on-Trent, UK, in November 2020. The 19 full papers presented together with 3 short papers were carefully reviewed and selected from 38 submissions. The papers offer a wide range in the use of serious games in several fields like learning, simulation, training, health, well-being, management, assessment or marketing and much more.

Modern Mandarin Chinese Grammar Workbook is a book of exercises and language tasks for all learners of Mandarin Chinese. Divided into two sections, the Workbook initially provides exercises based on essential grammatical structures, and moves on to practice

everyday functions such as making introductions, apologizing and expressing needs. With an extensive answer key at the back to enable students to check on their progress, main features include: exercises at various levels of challenge for a broad range of learners cross-referencing to the related Modern Mandarin Chinese Grammar a comprehensive index to exercises alphabetically arranged in terms of structures, functions, and key Chinese structure vocabulary. This second edition also offers a revised and expanded selection of exercises including new task-based exercises. Modern Mandarin Chinese Grammar Workbook is ideal for all learners of Mandarin Chinese, from beginner to intermediate and advanced students. It can be used both independently and alongside the Modern Mandarin Chinese Grammar (978-0-415-82714-0), which is also published by Routledge.

The fifth edition of "Numerical Methods for Engineers" continues its tradition of excellence. Instructors love this text because it is a comprehensive text that is easy to teach from. Students love it because it is written for them--with great pedagogy and clear explanations and examples throughout. The text features a broad array of applications, including all engineering disciplines. The revision retains the successful pedagogy of the prior editions. Chapra and Canale's unique approach opens each part of the text with sections called Motivation, Mathematical Background, and Orientation, preparing the student for what is to come in a motivating and engaging manner. Each part closes with an Epilogue containing sections called Trade-Offs, Important

Relationships and Formulas, and Advanced Methods and Additional References. Much more than a summary, the Epilogue deepens understanding of what has been learned and provides a peek into more advanced methods. Approximately 80% of the end-of-chapter problems are revised or new to this edition. The expanded breadth of engineering disciplines covered is especially evident in the problems, which now cover such areas as biotechnology and biomedical engineering. Users will find use of software packages, specifically MATLAB and Excel with VBA. This includes material on developing MATLAB m-files and VBA macros.

Krause Publications' Standard Catalog series is available by specific marque, in individual volumes or a set. Each book contains in-depth profiles of specific makes by model, factory photos, and up-to-date vehicle pricing. The I-to-conditional pricing system assures readers of accurate values, whether a vehicle is a #1 low-mileage, rust-free beauty or a #6 parts-only heap. "Techs & specs", original factory prices, production and serial numbers, and engine/chassis codes are noted by model, thus helping you determine authenticity accuracy. Historical, technical and pricing information are combined from hundreds of sources. James Flammang values each model according to the popular 1-6 grading system invented by Old Cars magazine.

Volkswagen Chronicle - From the Beetle to a Global Player
Historical Notes
HLA Typing Methods and Protocols
Humana Press

The first and only book to systematically address

methodologies and processes of leveraging non-traditional information sources in the context of investing and risk management Harnessing non-traditional data sources to generate alpha, analyze markets, and forecast risk is a subject of intense interest for financial professionals. A growing number of regularly-held conferences on alternative data are being established, complemented by an upsurge in new papers on the subject. Alternative data is starting to be steadily incorporated by conventional institutional investors and risk managers throughout the financial world.

Methodologies to analyze and extract value from alternative data, guidance on how to source data and integrate data flows within existing systems is currently not treated in literature. Filling this significant gap in knowledge, *The Book of Alternative Data* is the first and only book to offer a coherent, systematic treatment of the subject. This groundbreaking volume provides readers with a roadmap for navigating the complexities of an array of alternative data sources, and delivers the appropriate techniques to analyze them. The authors—leading experts in financial modeling, machine learning, and quantitative research and analytics—employ a step-by-step approach to guide readers through the dense jungle of generated data. A first-of-its kind treatment of alternative data types, sources, and methodologies, this innovative book: Provides an integrated modeling approach to extract value from multiple types of datasets Treats the processes needed to make alternative data signals operational Helps investors and risk managers rethink how they engage

with alternative datasets Features practical use case studies in many different financial markets and real-world techniques Describes how to avoid potential pitfalls and missteps in starting the alternative data journey Explains how to integrate information from different datasets to maximize informational value The Book of Alternative Data is an indispensable resource for anyone wishing to analyze or monetize different non-traditional datasets, including Chief Investment Officers, Chief Risk Officers, risk professionals, investment professionals, traders, economists, and machine learning developers and users. Strife appears endemic to the Balkans. A crossroads of three continents, the area has provided the site for often violent convergence of three of the world's major religions and several major races and a swirl of human activity. This volume explores the battles that have taken place in the region. Beginning with Turkey, the author describes the battles and examines the small arms, artillery, armoured vehicles, warships and warplanes used. Accompanying each weapons illustration throughout the book is a set of specifications providing the tactical abilities of the weapon in the field. For courses in manufacturing processes at two- or four-year schools. This text also serves as a valuable reference text for professionals. An up-to-date text that provides a solid background in manufacturing processes Manufacturing Engineering and Technology, 7/e , presents a mostly qualitative description of the science, technology, and practice of manufacturing. This includes detailed descriptions of manufacturing processes and the manufacturing enterprise that will help introduce students

to important concepts. With a total of 120 examples and case studies, up-to-date and comprehensive coverage of all topics, and superior two-color graphics, this text provides a solid background for manufacturing students and serves as a valuable reference text for professionals.

Tells the story of the infamous "Goat Gland Doctor" -- controversial medical charlatan, groundbreaking radio impresario, and prescient political campaigner -- and recounts his amazing rags to riches to rags career. A popular joke of the 1920s posed the question, "What's the fastest thing on four legs?" The punch line? "A goat passing Dr. Brinkley's hospital!" It seems that John R. Brinkley's virility rejuvenation cure -- transplanting goat gonads into aging men -- had taken the nation by storm. Never mind that "Doc" Brinkley's medical credentials were shaky at best and that he prescribed medication over the airwaves via his high-power radio stations. The man built an empire. The Kansas Medical Board combined with the Federal Radio Commission to revoke Brinkley's medical and radio licenses, which various courts upheld. Not to be stopped, Brinkley started a write-in campaign for Governor. He received more votes than any other candidate but lost due to invalidated and "misplaced" ballots. Brinkley's tactics, particularly the use of his radio station and personal airplane, changed political campaigning forever. Brinkley then moved his radio medical practice to Del Rio, Texas, and began operating a "border blaster" on the Mexico side of the Rio Grande. His rogue stations, XER and its successor XERA, eventually broadcast at an antenna-shattering

1,000,000 watts and were not only a haven for Brinkley's lucrative quackery, but also hosted an unprecedented number of then-unknown country musicians and other guests.

Internet research spans many disciplines. From the computer or information sciences, through engineering, and to social sciences, humanities and the arts, almost all of our disciplines have made contributions to internet research, whether in the effort to understand the effect of the internet on their area of study, or to investigate the social and political changes related to the internet, or to design and develop software and hardware for the network. The possibility and extent of contributions of internet research vary across disciplines, as do the purposes, methods, and outcomes. Even the epistemological underpinnings differ widely. The internet, then, does not have a discipline of study for itself: It is a field for research (Baym, 2005), an open environment that simultaneously supports many approaches and techniques not otherwise commensurable with each other. There are, of course, some inhibitions that limit explorations in this field: research ethics, disciplinary conventions, local and national norms, customs, laws, borders, and so on. Yet these limits on the internet as a field for research have not prevented the rapid expansion and exploration of the internet. After nearly two decades of research and scholarship, the limits are a positive contribution, providing bases for discussion and interrogation of the contexts of our research, making internet research better for all. These 'limits,' challenges that constrain the theoretically limitless space for internet research, create boundaries that give definition to the field and provide us with a particular topography that enables research and investigation.

This book constitutes selected papers from the 16th

European, Mediterranean, and Middle Eastern Conference, EMCIS 2019, held in Dubai, UAE, in October 2019. EMCIS is dedicated to the definition and establishment of Information Systems as a discipline of high impact for the methodical community and IS professionals, focusing on approaches that facilitate the identification of innovative research of significant relevance to the IS discipline. The 48 full papers presented in this volume were carefully reviewed and selected from a total of 138 submissions. They were organized in topical sections named: Big Data and Analytics; Blockchain Technology and Applications; Cloud Computing; Digital Services and Social Media; e-Government; Enterprise Information Systems; Health-Care Information Systems; Information Systems Security and Information Privacy Protection; Innovative Research Projects; IT Governance; and Management and Organizational Issues in Information Systems.

Plain English is an essential tool for effective communication. Information transmitted in letters, documents, reports, contracts, and forms is clearer and more understandable when presented in straightforward terms. The Oxford Guide to Plain English provides authoritative guidance on how to write plain English using easy-to-follow guidelines which cover straightforward language, sentence length, active and passive verbs, punctuation, grammar, planning, and good organization. This handy guide will be invaluable to writers of all levels. It provides essential guidelines that will allow readers to develop their writing style, grammar, and punctuation. The book also offers help in understanding official jargon and legalese giving the plain English alternatives. This guide gives hundreds of real examples and shows 'before and after' versions of texts of different kinds which will help readers to look critically at their own writing. Helpfully organized into 21 short chapters, each covering a different aspect of writing. Clearly laid out, and easy to

use, the Oxford Guide to Plain English is the best guide to writing clear and helpful documents.

This volume explores the rapidly evolving field of HLA typing and its use in both the laboratory setting and in silico methods. The chapters in this book discuss high-throughput methods for HLA typing; wet lab protocols; microarray data and its uses; in silico tools for the identification of HLA alleles from DNA and RNA next-generation-sequencing data, as well as HLA haplotype frequency estimation. Written in the highly successful Methods in Molecular Biology series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Cutting-edge and practical, HLA Typing: Methods and Protocols is a valuable resource for any researcher interested in learning more about this developing field.

The New York Times bestselling author of *Bitter Brew* chronicles the birth and rise to greatness of the American auto industry through the remarkable life of Harley Earl, an eccentric six-foot-five, stuttering visionary who dropped out of college and went on to invent the profession of automobile styling, thereby revolutionized the way cars were made, marketed, and even imagined. Harley Earl's story qualifies as a bona fide American family saga. It began in the Michigan pine forest in the years after the Civil War, traveled across the Great Plains on the wooden wheels of a covered wagon, and eventually settled in a dirt road village named Hollywood, California, where young Harley took the skills he learned working in his father's carriage shop and applied them to designing sleek, racy-looking automobile bodies for the fast crowd in the burgeoning silent movie business. As the 1920s roared with the sound of mass manufacturing, Harley returned to Michigan, where, at GM's invitation, he

introduced art into the rigid mechanics of auto-making. Over the next thirty years, he functioned as a kind of combination Steve Jobs and Tom Ford of his time, redefining the form and function of the country's premier product. His impact was profound. When he retired as GM's VP of Styling in 1958, Detroit reigned as the manufacturing capitol of the world and General Motors ranked as the most successful company in the history of business. Knoedelseder tells the story in ways both large and small, weaving the history of the company with the history of Detroit and the Earl family as Fins examines the effect of the automobile on America's economy, culture, and national psyche.

This is the story of the Audi TT- one of the biggest motoring sensations of the 1990s. Audi's most exciting car since the original Quattro has won plaudits from the moment of its launch, and has remained hugely popular in spite of question marks over the safety of early versions. James Ruppert tells the complete story of the TT roadster and coupe, in all their versions, finding where the design came from, where it is going to and the impact this little big car has had on the motoring world.

This book offers a unique blend of reports on both theoretical models and their applications in the area of Intelligent Information and Database Systems. The reports cover a broad range of research topics, including advanced learning techniques, knowledge engineering, Natural Language Processing (NLP), decision support systems, Internet of things (IoT), computer vision, and tools and techniques for Intelligent Information Systems. They are extended versions of papers presented at the ACIIDS 2018 conference (10th Asian Conference on Intelligent Information and Database Systems), which was held in Dong Hoi City, Vietnam on 19–21 March 2018. What all researchers and students of computer science need is a state-of-the-art report on the

latest trends in their respective areas of interest. Over the years, researchers have proposed increasingly complex theoretical models, which provide the theoretical basis for numerous applications. The applications, in turn, have a profound influence on virtually every aspect of human activities, while also allowing us to validate the underlying theoretical concepts.

Philosopher, Afro-futurist, and jazz legend Sun Ra (1914-93) constructed much of his complicated public persona during his sojourn in Chicago in the mid-1950s. This work presents the story of Sun Ra's mystical journey of discovery and his lofty goals for the dissemination of his new knowledge.

Audis TT Coupe & Roadster have raised the bar for auto designers worldwide. Magnificent color photographs & little-known anecdotes combine to tell the story of how these state-of-the-art yet avant-garde automobiles.

Praise for the first and second editions: "The Copyeditor's Handbook brims with valuable information, good advice, and helpful suggestions for novice copyeditors and experienced practitioners. It is comforting to know that current and future copyeditors will be able to turn to this handbook. I'm placing this work, which fills a huge gap in the literature, right beside my dictionary, and will highly recommend it to all my colleagues and students." —Alice Levine, Lecturer, The Denver Publishing Institute, and freelance editor "A definite 'must have' for the beginning to intermediate editor or author, and even the experienced editor. An indispensable reference tool." —Kim Hawley, President, The Chicago Book Clinic "This is the book that every

teacher of editing has been waiting for: thorough, clear, authoritative, up-to-date, and sane." —Beth Luey, Director, Scholarly Publishing Program, Arizona State University "This book warms the cockles of the copyediting heart. It is thorough, useful, helpful, and smart. And it fills a huge vacuum." —Constance Hale, author of *Sin and Syntax* and *Wired Style* "An excellent resource. The Copyeditor's Handbook should sit on every business editor's shelf, next to the in-house style guide." —Erika Henik, Research Publications Manager, Banc of America Securities LLC "The first three chapters alone are worth the cover price. It's a book that acknowledges an assortment of vexing copyediting questions and offers multiple answers to most of them."—Gary Hernandez, Technical Communication "An excellent textbook to teach the essentials of copyediting. An excellent reference work for workplace writing."—Mark Armstrong, *Business Communication Quarterly* "Straightforward, sound advice for beginning or intermediate copyeditors working with pencil or online."—Priscilla S. Taylor, *The Editorial Eye* "Lays out the copyeditor's obligations with humor, style, and perspective."—Walter Pagel, *Science Editor*

This book explores the ecological impact of infrastructure through the lens of China's Belt and Road Initiative. Understanding the impacts of infrastructure on the environment is a crucial foundation for a sustainable life on earth. Here we follow the world's biggest infrastructure project along its routes and explore the ecosystems through which they will pass, and the possible negative consequences which may follow. We

welcome you to join us on a journey along the Belt and Road, to meet the unique species and ecosystems that make up the landscapes that support it.

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