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Radio Journal
Nolo's Essential Guide to Buying Your First Home
Synerjy
Electric Vehicles: Prospects and Challenges
Asia’s Energy Revolution
Illustrated London News
Variable Generation, Flexible Demand
Analyzing the Range Barrier to Electric Vehicle Adoption
Plunkett's Renewable, Alternative and Hydrogen Energy Industry Almanac 2009
Innovations in Electrical and Electronic Engineering
Electric Vehicles and the BMW I3
Handbook on Battery Energy Storage System
Predicasts F & S Index United States
Electric Vehicle Business Models
The Future of Road Transportation
Dirty Electricity
Naval Aviation News
Automotive Batteries at Low Temperatures

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EDWARDS MIKAYLA

Modern Electric Vehicle Technology Academic Press
The historical ways in which electricity was generated in large central power plants and delivered to passive customers through a one-way transmission and distribution network – as everyone knows – is radically changing to one where consumers can generate, store and consume a significant portion of their energy needs energy locally. This, however, is only the first step, soon to be followed by the ability to share or trade with others using the distribution network. More exciting opportunities are possible with the increased digitalization of BTM assets, which in turn can be aggregated into large portfolios of flexible load and generation and optimized using artificial intelligence and machine learning. - Examines the latest advances in digitalization of behind-the-meter assets including distributed generation, distributes storage and electric vehicles and – more important – how these assets can be aggregated and remotely monitored unleashing tremendous value and a myriad of innovative services and business models - Examines what lies behind-the-meter (BTM) of typical customers and why managing these assets increasingly matter - Describes how smart aggregators with intelligent software are creating value by optimizing how energy may be generated, consumed, stored o potentially shared o traded and between consumers; prosumers and prosumagers (that is, prosumers with storage) - Explores new business models that are likely to disrupt the traditional interface between the incumbents and their customers
Electric Vehicle Technology Explained Simon and Schuster
The electric vehicle offers many promises--increasing U.S. energy security by reducing petroleum dependence, contributing to climate-change initiatives by decreasing greenhouse gas (GHG) emissions, stimulating long-term economic growth through the development of new technologies and industries, and improving public health by improving local air quality. There are, however, substantial technical, social, and economic barriers to widespread adoption of electric vehicles, including vehicle cost, small driving range, long charging times, and the need for a charging infrastructure. In addition, people are unfamiliar with electric vehicles, are uncertain about their costs and benefits, and have diverse needs that current electric vehicles might not meet. Although a person might derive some personal benefits from ownership, the costs of achieving the social benefits, such as reduced GHG emissions, are borne largely by the people who purchase the vehicles. Given the recognized barriers to electric-vehicle adoption, Congress asked the Department of Energy (DOE) to commission a study by the National Academies to address market barriers that are slowing the purchase of electric vehicles and hindering the deployment of supporting infrastructure. As a result of the request, the National Research Council (NRC)--a part of the National Academies--appointed the Committee on Overcoming Barriers to Electric-Vehicle Deployment. This committee documented their findings in two reports--a short interim report focused on near-term options, and a final comprehensive report. Overcoming Barriers to Electric-Vehicle Deployment fulfills the request for the short interim report that addresses specifically the following issues: infrastructure needs for electric vehicles, barriers to deploying the infrastructure, and possible roles of the federal government in overcoming the barriers. This report also includes an initial discussion of the pros and cons of the possible roles. This interim report does not address the committee's full statement of task and does not offer any recommendations because the committee is still in its early stages of data-gathering. The committee will continue to gather and review information and conduct analyses through late spring 2014 and will issue its final report in late summer 2014. Overcoming Barriers to Electric-Vehicle Deployment focuses on the light-duty vehicle sector in the United States and restricts its discussion of electric vehicles to plug-in electric vehicles (PEVs), which include battery electric vehicles (BEVs) and plug-in hybrid electric vehicles (PHEVs). The common feature of these vehicles is that their batteries are charged by being plugged into the electric grid. BEVs differ from PHEVs because they operate solely on electricity stored in a battery (that is, there is no other power source); PHEVs have internal combustion engines that can supplement the electric power train. Although this report considers PEVs generally, the committee recognizes that there are fundamental differences between PHEVs and BEVs.
S&T Today Macmillan + ORM
A complete overview, industry analysis and market research report in one superb, value-priced package, this volume contains thousands of contacts for business and industry leaders, industry associations, Internet sites and other resources. This book also includes statistical tables, an industry glossary and thorough indices.
NFPA 58 iUniverse
A comprehensive and up-to-date reference book on modern electric vehicle technology, which covers the engineering philosophy, state-of-the-art technology, and commercialisation of electrical vehicles.
“The” Illustrated London News Springer Nature
Owning Model S, 2nd edition, has been updated and enhanced to maintain its place as the go-to user guide every Model S owner (and potential owner) needs. Written by a Model S owner, it provides the inside information you'll need to better understand the world's leading electric vehicle. The 2nd edition considers new Model S battery capacities, new vehicle configurations, new options, and new features that have recently been introduced by Tesla Motors--including dual-motor all-wheel-drive, autopilot, and the 761 hp P90D with "ludicrous mode." In addition, it reflects the actual driving experience of tens of thousands of Model S owners worldwide. Throughout the book and the accompanying website, owningmodels.com, Nick Howe provides you with no nonsense guidance, thorough checklists, and many hidden tricks that will enable you to get the absolute maximum from one of the world's coolest cars. Here are only a few of the many questions he answers inside Owning Model S: * Is Model S the right car for me? * Which options should I choose? * How do I prepare prior to the delivery of my Model S, and what do I look for on the day it's delivered? * What is the true range of Model S if I drive it fast and hard? * What aftermarket accessories will enable me to

customize my Model S? These questions along with dozens of others are answered with pragmatic advice, no nonsense instructions, and detailed checklists. After reading Owning Model S, 2nd edition, you'll truly understand the future of motoring.

Off the Grid Plunkett Research, Ltd.

Fully updated throughout, Electric Vehicle Technology, Second Edition, is a complete guide to the principles, design and applications of electric vehicle technology. Including all the latest advances, it presents clear and comprehensive coverage of the major aspects of electric vehicle development and offers an engineering-based evaluation of electric motor scooters, cars, buses and trains. This new edition includes: important new chapters on types of electric vehicles, including pickup and linear motors, overall efficiencies and energy consumption, and power generation, particularly for zero carbon emissions expanded chapters updating the latest types of EV, types of batteries, battery technology and other rechargeable devices, fuel cells, hydrogen supply, controllers, EV modeling, ancillary system design, and EV and the environment brand new practical examples and case studies illustrating how electric vehicles can be used to substantially reduce carbon emissions and cut down reliance on fossil fuels futuristic concept models, electric and high-speed trains and developments in magnetic levitation and linear motors an examination of EV efficiencies, energy consumption and sustainable power generation. MATLAB® examples can be found on the companion website www.wiley.com/go/electricvehicle2e Explaining the underpinning science and technology, this book is essential for practicing electrical, automotive, power, control and instrumentation engineers working in EV research and development. It is also a valuable reference for academics and students in automotive, mechanical, power and electrical engineering.

Influences of Electric Vehicles on Power System and Key Technologies of Vehicle-to-Grid CRC Press

Although electric vehicles (EVs) are theoretically capable of emissions-free driving, their market penetration is still pending, which is reflected in their low sales numbers. This is mainly due to three major barriers to the widespread adoption of these vehicles, with one of them being their limited average driving distance. Although the limited range of these cars would theoretically be sufficient to match the usage patterns of most drivers, they are generally unwilling to accept it. In this regard, users often report serious concerns about not reaching their planned destinations due to battery depletion, which is commonly referred to as range anxiety. Within this cumulative dissertation, four research questions were derived, aiming to investigate measures that mitigate range anxiety and thus positively affect the attitude toward using EVs. To answer these research questions, six studies were conducted. The insights gained from analyzing the data provide researchers with an in-depth knowledge for investigating the influence of information systems on range anxiety. In addition, practitioners find decision support for addressing the phenomenon of range anxiety in implementing and designing information systems.

F & S Index of Corporations and Industries Walter de Gruyter GmbH & Co KG

Lauren Fix's straight-forward, clear and fun advice makes caring for your car easy so you can actually enjoy driving and owning one. With Lauren Fix's Guide to Loving Your Car, you'll soon be a confident, knowledgeable car owner who knows what is important in taking care of your car. With Lauren Fix on your side, you'll know: *How to select the best car for your lifestyle--and safest car for your family *Essential and easy maintenance for your car *What to have ready in case of a crash or emergency *Driving tips for all kinds of weather and traffic conditions *How to talk to your car mechanic in language you can both understand *How to master easy car repairs--and which repairs to avoid *Much more! Lauren Fix is the ideal resource for all car-related questions, and Lauren Fix's Guide to Loving Your Car is full of tips and inside knowledge to keep you in the know and your car on the road.

Owning Model S Tony Seba

The industrial age of energy and transportation will be over by 2030. Maybe before. Exponentially improving technologies such as solar, electric vehicles, and autonomous (self-driving) cars will disrupt and sweep away the energy and transportation industries as we know it. The same Silicon Valley ecosystem that created bit-based technologies that have disrupted atom-based industries is now creating bit- and electron-based technologies that will disrupt atom-based energy industries. Clean Disruption projections (based on technology cost curves, business model innovation as well as product innovation) show that by 2030: - All new energy will be provided by solar or wind. - All new mass-market vehicles will be electric. - All of these vehicles will be autonomous (self-driving) or semi-autonomous. - The new car market will shrink by 80%. - Even assuming that EVs don't kill the gasoline car by 2030, the self-driving car will shrink the new car market by 80%. - Gasoline will be obsolete. Nuclear is already obsolete. - Up to 80% of highways will be redundant. - Up to 80% of parking spaces will be redundant. - The concept of individual car ownership will be obsolete. - The Car Insurance industry will be disrupted. The Stone Age did not end because we ran out of rocks. It ended because a disruptive technology ushered in the Bronze Age. The era of centralized, command-and-control, extraction-resource-based energy sources (oil, gas, coal and nuclear) will not end because we run out of petroleum, natural gas, coal, or uranium. It will end because these energy sources, the business models they employ, and the products that sustain them will be disrupted by superior technologies, product architectures, and business models. This is a technology-based disruption reminiscent of how the cell phone, Internet, and personal computer swept away industries such as landline telephony, publishing, and mainframe computers. Just like those technology disruptions flipped the architecture of information and brought abundant, cheap and participatory information, the clean disruption will flip the architecture of energy and bring abundant, cheap and participatory energy. Just like those previous technology disruptions, the Clean Disruption is inevitable and it will be swift.

Industrial Engineering Cuvillier Verlag

"This book provides everything a first-time home buyer needs to research the local market and listings; choose a house, condo, co-op, or townhouse; create a realistic budget; qualify for an affordable loan; borrow a down payment from friends or family; get protection with inspections and insurance; and negotiate and close the deal successfully. This book includes insights from 15 real estate professionals--brokers, attorneys, mortgage specialists, a home inspector, and more. Also included are the real-life stories of over 20 first-time homebuyers"--

Alternative Transportation Fuels and Vehicles Academic Press

In the context of regulations requiring emission so low that electric and hybrid cars will be necessary, Kirsch (industrial ecology, U. of California-Los Angeles) takes the Electric Vehicle Company as a starting point for a vision of an alternative automotive system in which gasoline and

electric vehicles would each have been used to supply different kinds of transport services. He argues that technological superiority was in the hearts and minds of engineers, consumers, and drivers. Annotation copyrighted by Book News, Inc., Portland, OR

Behind and Beyond the Meter OUP Oxford

Asia is home to 60 per cent of the world's population, including the world's two most populous nations, China and India. The region's economic gains and rising middle class are accelerating demand for more consumer goods and a better quality of life. For further economic growth to be realised, the region will need a massive supply of additional energy, three- to five-fold 2020's amount by 2050. These changes create new business and investment opportunities for domestic companies and overseas participants. Asia's energy market, already the world's biggest, will soon be the most advanced. There will be mass adoption of digital technologies, like artificial intelligence, to make the distribution of solar, wind and other clean resources, smarter and more efficient. Led by China, billions of dollars in capital investment will drive the region's shift to green, sustainable energy, replacing polluting and expensive fossil fuels, which will help to rein in climate change. In Asia's Energy Revolution, leading energy markets analyst and practitioner Joseph Jacobelli explains why Asia is the world's most important territory for energy transition, how developments in the region will drive change in the rest of the world as well as how it will all be financed. The book discussion includes: Analysis of past events and forward-looking analysis of the industry in the region encompassing commercial, economic, and financial aspects Appraisal of new energy technologies, such as electric vehicles, and digital solutions, such as blockchain for energy Review of the capital flows and sustainable financing channels needed to fund energy infrastructure and tech growth

Code of Practice for Electric Vehicle Charging Equipment Installation Springer

This handbook serves as a guide to deploying battery energy storage technologies, specifically for distributed energy resources and flexibility resources. Battery energy storage technology is the most promising, rapidly developed technology as it provides higher efficiency and ease of control. With energy transition through decarbonization and decentralization, energy storage plays a significant role to enhance grid efficiency by alleviating volatility from demand and supply. Energy storage also contributes to the grid integration of renewable energy and promotion of microgrid.

Clean Disruption of Energy and Transportation Elsevier

This Code of Practice provides a clear overview of EV charging equipment, as well as setting out the considerations needed prior to installation and the necessary physical and electrical installation requirements. It also details what needs to be considered when installing electric vehicle charging equipment in various different locations - such as domestic dwellings, on-street locations, and commercial and industrial premises. Key changes from the second edition include: Two completely new sections Vehicles as Energy Storage Integration with smart metering and control, automation and monitoring systems A new Annex A complete update to the new requirements in BS 7671:2018 Bringing the Code in line with revised regulations and good practice The risk assessments and checklists have also been reviewed and revised. This very well established Code of Practice, supported by all the major stakeholders in the industry, is essential reading for anyone involved in the rapid expansion of EV charging points, and those involved in maintenance, extension, modification and periodic verification of electrical installations that incorporate EV charging.

Lauren Fix's Guide to Loving Your Car Nolo

Variable Generation, Flexible Demand looks at a future in which power system researchers, operators and analysts need to predict variable renewable generation and schedule demand to match it. Contributors survey the significant expansion in the role of flexible demand in balancing supply and demand in conjunction with flexible generation in 'peaking plants' and energy storage as the proportion of variable renewable generation rises in many systems across the world. Supported with case studies, the book examines practical ways that demand flexibility can play a constructive role as more systems move towards higher levels of renewable generation in their electricity mix. - Examines practical ways that demand flexibility can play a constructive role in future energy systems - Reviews the vital role of market design, business models, enabling technologies, policies and regulation in implementation of flexible demand - Includes detailed case studies that address the role of flexible demand across transitioning power markets

Overcoming Barriers to Electric-vehicle Deployment Springer

Electric Vehicles: Prospects and Challenges looks at recent design methodologies and technological advancements in electric vehicles and the integration of electric vehicles in the smart grid environment, comprehensively covering the fundamentals, theory and design, recent developments and technical issues involved with electric vehicles. Considering the prospects, challenges and policy status of specific regions and vehicle deployment, the global case study references make this book useful for academics and researchers in all engineering and sustainable transport areas. - Presents a systematic and integrated reference on the essentials of theory and design of electric vehicle technologies - Provides a comprehensive look at the research and development involved in the use of electric vehicle technologies - Includes global case studies from leading EV regions, including Nordic and European countries China and India

Green Infrastructure Investment Opportunities Asian Development Bank

This contributed volume collects insights from industry professionals, policy makers and researchers on new and profitable business models in the field of electric vehicles (EV) for the mass market. This book includes approaches that address the optimization of total cost of ownership. Moreover, it presents alternative models of ownership, financing and leasing. The editors present state-of-the-art insights from international experts, including real-world case studies. The volume has been edited in the framework of the International Energy Agency's Implementing Agreement for Cooperation on Hybrid and Electric Vehicles (IA-HEV). The target audience primarily comprises practitioners and decision makers but the book may also be beneficial for research experts and graduate students.

Electric Vehicle Progress John Wiley & Sons

Provides an overview of the working principles of electrical powertrain and automated systems. Considers environmental and road safety aspects for transportation. Discusses the developments of advanced driver assistance systems (ADAS) and driverless car technologies. Covers the basics, theoretical concepts, and design features of hybrid electric vehicles (HEVs), electrical vehicles (EVs), and fuel cell vehicles (FCVs). Features chapters written by global experts.

Highway Research News Asian Development Bank

This is a book about Electric Vehicles and, in particular, the BMW i3. It covers the performance and

technical information useful to the growing Electric Vehicle community that are different to those of an Internal Combustion Engine car, including: Dynamics, Battery, Charging, Motors and Drives, Cooling and Heating, and Range Extender.

F & S Index United States Annual

This report explores green bonds and other finance instruments for climate-resilient infrastructure and investment opportunities that can support Thailand in achieving a low carbon economy. In this report, the Climate Bonds Initiative (CBI) consulted with experts in partnership with ADB, the ASEAN Catalytic Green Finance Facility, and Thailand’s Securities and Exchange Commission and Public Debt Management Office under the Ministry of Finance. It is part of a series for various countries developed by CBI to promote green financing among various stakeholders and development partners in the public and private sectors, including project owners and developers, institutional investors, asset managers, financial institutions, government bodies, and international organizations.

Best Sellers - Books :
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• It Starts With Us: A Novel (2) (it Ends With Us)
• Love You Forever
• To Kill A Mockingbird By Harper Lee
• Little Blue Truck's Springtime: An Easter And Springtime Book For Kids By Alice Schertle
• The 5 Love Languages: The Secret To Love That Lasts By Gary Chapman
• The Mountain Is You: Transforming Self-sabotage Into Self-mastery
• How To Catch A Mermaid