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Popular Mechanics Hoover Press

Sociology of sport - Using social theories - Studying the past - Sports and socialisation - Sports and children - Sports and deviance - Sports and

violence - Sports and gender - Sports and race and ethnicity - Sports and social class - Sports and the economy - Sports and the media - Sports policy, politics and globalisation.

Light and Heavy Vehicle Technology Springer

A new edition of the most popular book of project management case studies, expanded to include more than 100 cases plus a "super case" on the Iridium Project Case studies are an important part of project management education and

<p>training. This Fourth Edition of Harold Kerzner's Project Management Case Studies features a number of new cases covering value measurement in project management. Also included is the well-received "super case," which covers all aspects of project management and may be used as a capstone for a course. This new edition: Contains 100-plus case studies drawn from real companies to illustrate both successful and poor implementation of project management Represents a wide range of industries, including medical and pharmaceutical, aerospace, manufacturing, automotive, finance and banking, and telecommunications Covers cutting-edge areas of construction and international project management plus a "super case" on the Iridium Project, covering all aspects of project management Follows and supports preparation for the Project Management Professional (PMP®) Certification Exam Project Management Case Studies, Fourth Edition is a valuable resource for students, as well as</p>	<p>practicing engineers and managers, and can be used on its own or with the new Eleventh Edition of Harold Kerzner's landmark reference, Project Management: A Systems Approach to Planning, Scheduling, and Controlling. (PMP and Project Management Professional are registered marks of the Project Management Institute, Inc.)</p> <p><u>The Indigo Book</u> National Academies Press</p> <p>Electric Vehicle Battery Systems provides operational theory and design guidance for engineers and technicians working to design and develop efficient electric vehicle (EV) power sources. As Zero Emission Vehicles become a requirement in more areas of the world, the technology required to design and maintain their complex battery systems is needed not only by the vehicle designers, but by those who will provide recharging and maintenance services, as well as utility infrastructure providers. Includes fuel cell and hybrid</p>
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vehicle applications. Written with cost and efficiency foremost in mind, *Electric Vehicle Battery Systems* offers essential details on failure mode analysis of VRLA, NiMH battery systems, the fast-charging of electric vehicle battery systems based on Pb-acid, NiMH, Li-ion technologies, and much more. Key coverage includes issues that can affect electric vehicle performance, such as total battery capacity, battery charging and discharging, and battery temperature constraints. The author also explores electric vehicle performance, battery testing (15 core performance tests provided), lithium-ion batteries, fuel cells and hybrid vehicles. In order to make a practical electric vehicle, a thorough understanding of the operation of a set of batteries in a pack is necessary. Expertly written and researched, *Electric Vehicle Battery Systems* will prove invaluable to automotive engineers, electronics and integrated circuit design

engineers, and anyone whose interests involve electric vehicles and battery systems.

- * Addresses cost and efficiency as key elements in the design process
- * Provides comprehensive coverage of the theory, operation, and configuration of complex battery systems, including Pb-acid, NiMH, and Li-ion technologies
- * Provides comprehensive coverage of the theory, operation, and configuration of complex battery systems, including Pb-acid, NiMH, and Li-ion technologies

Political

**Environmentalism:
Going Behind the
Green Curtain**

National Academies
Press

Air conditioning in vintage cars often falls into disrepair, as owners figure that it never really worked all that well when it

was new, and assume that rejuvenation would be prohibitively expensive. In his new book, *Just Needs a Recharge: The Hack Mechanic Guide to Vintage Air Conditioning*, Rob Siegel details exactly what's needed to resurrect long-dead air conditioning in a vintage car, or install a/c in a car that never had it. In a level of detail not found in any other automotive a/c book, Rob reveals what you need to know about flare and o-ring fittings, upgrading to a rotary-style compressor and a parallel-flow condenser, making or specifying custom hoses, and selecting refrigerant so that the a/c blows cold enough to be usable. Although the book draws from Rob's BMW experience (with specifics for the BMW 2002 and 3.0CS), and concentrates on vintage a/c systems (those that have flare fittings and originally contained R12), most of the information applies to any air conditioning system, foreign or domestic, vintage or modern. Written in Rob's entertaining Hack Mechanic narrative voice, and including 240 photographs and illustrations, the book covers theory, the choice of refrigerant (R12, R134a, other EPA-approved, non-EPA-

approved), legality, tools for a/c work, fittings and sizes, the compressor, the evaporator assembly and expansion valve or orifice tube, the condenser and fan, the receiver/drier or accumulator, electrical connections and compressor cycling, connecting and using manifold gauges, the basic steps for a/c rejuvenation, from-scratch a/c retrofit, making and installing hoses, flushing the system, pressure-testing and leak detection, evacuating and charging the system troubleshooting, and other things that heat up the cabin.

Automotive Heating & Air Conditioning John

Wiley & Sons

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Natural Attenuation for Groundwater

Remediation Rand Corporation

The light-duty vehicle fleet is expected to undergo substantial technological changes over the next several decades. New powertrain designs, alternative fuels, advanced materials and significant changes to the vehicle body are being driven by increasingly stringent fuel economy and greenhouse gas emission standards. By the end of the next decade, cars and light-duty trucks will be more fuel efficient,

weigh less, emit less air pollutants, have more safety features, and will be more expensive to purchase relative to current vehicles. Though the gasoline-powered spark ignition engine will continue to be the dominant powertrain configuration even through 2030, such vehicles will be equipped with advanced technologies, materials, electronics and controls, and aerodynamics. And by 2030, the deployment of alternative methods to propel and fuel vehicles and alternative modes of transportation, including autonomous vehicles, will be well underway. What are these new technologies - how will they work, and will some technologies be more effective than others? Written to inform The

United States Department of Transportation's National Highway Traffic Safety Administration (NHTSA) and Environmental Protection Agency (EPA) Corporate Average Fuel Economy (CAFE) and greenhouse gas (GHG) emission standards, this new report from the National Research Council is a technical evaluation of costs, benefits, and implementation issues of fuel reduction technologies for next-generation light-duty vehicles. Cost, Effectiveness, and Deployment of Fuel Economy Technologies for Light-Duty Vehicles estimates the cost, potential efficiency improvements, and barriers to commercial deployment of technologies that might

be employed from 2020 to 2030. This report describes these promising technologies and makes recommendations for their inclusion on the list of technologies applicable for the 2017-2025 CAFE standards.

Entering the Twenty-first Century : a Report
Springer Nature

A collection of astrological guides for 2007, one for each sign of the zodiac, presents detailed yearly, daily, and weekly forecasts for the coming year, including eighteen months of daily forecasts, in an easy-to-read format that features handy tables and illustrations, sun sign identification, lucky numbers, romance tips, and

more. Original.

Case Studies Math for the Automotive Trade

This book provides a comprehensive history of American print automobile advertising over a half-century span, beginning with the entrenchment of the “ Big Three ” automakers during the Depression and concluding with the fuel crises of the 1970s and early 1980s.

Advances in general advertising layouts and graphics are discussed in Part One, together with the ways in which styling, mechanical improvements, and convenience features were highlighted. Part Two explores ads that were concerned less with the attributes of the cars themselves than with shaping the way consumers would

perceive and identify with them. Part Three addresses ads oriented toward the practical aspects of automobile ownership, concluding with an account of how advertising responded to the advance of imported cars after World War II. Illustrations include more than 250 automobile advertisements, the majority of which have not been seen in print since their original publication.

Transportation and
Global Climate Change
Elsevier

This book outlines issues related to massive integration of electric and plug-in hybrid electric vehicles into power grids. Electricity is becoming the preferred energy vector for the next

new generation of road vehicles. It is widely acknowledged that road vehicles based on full electric or hybrid drives can mitigate problems related to fossil fuel dependence. This book explains the emerging and understanding of storage systems for electric and plug-in hybrid vehicles. The recharging stations for these types of vehicles might represent a great advantage for the electric grid by facilitating integration of renewable and distributed energy production. This book presents a broad review from analyzing current literature to on-going research projects about the new power

technologies related to the various charging architectures for electric and plug-in hybrid vehicles. Specifically focusing on DC fast charging operations, as well as, grid-connected power converters and the full range of energy storage systems. These key components are analyzed for distributed generation and charging system integration into micro-grids. The authors demonstrate that these storage systems represent effective interfaces for the control and management of renewable and sustainable distributed energy resources. New standards and

applications are emerging from micro-grid pilot projects around the world and case studies demonstrate the convenience and feasibility of distributed energy management. The material in this unique volume discusses potential avenues for further research toward achieving more reliable, more secure and cleaner energy. Issues and Controversies in Australia and New Zealand Elsevier In northern countries, the transport sector is a major and growing source of greenhouse gas emissions. This book puts the long-term problems of the

US transportation system into a global perspective and examines the issues which must be tackled to begin reducing the US's high level of emissions. It examines the effects of engine technology improvements, fuel choice and production, vehicle design, commercial transportation requirements, transportation choices by consumers, and government policies. Uit Cambridge Limited Provides an overview of the sustainable energy crisis that is threatening the world's natural resources, explaining how energy consumption is estimated and how

those numbers have been skewed by various factors and discussing alternate forms of energy that can and should be used. Math for the Automotive Trade Routledge Popular Mechanics inspires, instructs and influences readers to help them master the modern world. Whether it ' s practical DIY home-improvement tips, gadgets and digital technology, information on the newest cars or the latest breakthroughs in science -- PM is the ultimate guide to our high-tech lifestyle. The Global 2000 Report to the President Lulu.com The best-selling automotive technology book for students and professionals. Revised and updated throughout to match C&G and IMI

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to date with latest IMI to manufacturer specs, and
checking their work
against industry data in the
appendices. Important

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Transitions to Alternative

Transportation Technologies – "Plug-in Hybrid Electric Vehicles Routledge

In the past decade, officials responsible for clean-up of contaminated groundwater have increasingly turned to natural attenuation-essentially allowing naturally occurring processes to reduce the toxic potential of contaminants-versus engineered solutions.

This saves both money and headaches. To the people in surrounding communities, though, it

can appear that clean-up officials are simply walking away from contaminated sites.

When is natural attenuation the appropriate approach to a clean-up? This book presents the consensus of a diverse committee, informed by the views of researchers, regulators, and community activists.

The committee reviews the likely effectiveness of natural attenuation with different classes of contaminants-and describes how to evaluate the "footprints" of natural attenuation at a site to determine whether natural processes will provide adequate clean-up. Included are recommendations for

regulatory change. The committee emphasizes the importance of the public's belief and attitudes toward remediation and provides guidance on involving community stakeholders throughout the clean-up process. The book explores how contamination occurs, explaining concepts and terms, and includes case studies from the Hanford nuclear site, military bases, as well as other sites. It provides historical background and important data on clean-up processes and goes on to offer critical reviews of 14 published protocols for evaluating natural attenuation. Popular Mechanics Gregg Division McGraw-Hill Lightweight Electric/Hybrid Vehicle Design, covers the particular automotive design approach required for hybrid/electrical drive vehicles. There is currently huge investment world-wide in electric vehicle propulsion, driven by concern for pollution control and depleting oil resources. The radically different design demands of these new vehicles requires a completely new approach that is covered comprehensively in this book. The book explores the rather dramatic departures in structural configuration necessary for purpose-designed electric vehicle including weight removal in the mechanical systems. It also provides a comprehensive review of the design process in the electric hybrid drive and energy storage systems. Ideal for automotive engineering students and

professionals Lightweight Electric/Hybrid Vehicle Design provides a complete introduction to this important new sector of the industry. comprehensive coverage of all design aspects of electric/hybrid cars in a single volume packed with case studies and applications in-depth treatment written in a text book style (rather than a theoretical specialist text style)

Cost, Effectiveness, and Deployment of Fuel Economy Technologies for Light-Duty Vehicles Primedia

Business Directories & Books

Math for the Automotive TradeCengage Learning

Taurus 2007 MDPI

The nation has compelling reasons to reduce its consumption

of oil and emissions of carbon dioxide. Plug-in hybrid electric vehicles (PHEVs) promise to contribute to both goals by allowing some miles to be driven on electricity drawn from the grid, with an internal combustion engine that kicks in when the batteries are discharged. However, while battery technology has made great strides in recent years, batteries are still very expensive.

Transitions to Alternative Transportation Technologies--Plug-in Hybrid Electric Vehicles builds on a 2008 National Research Council report on hydrogen fuel cell vehicles. The present

volume reviews the current and projected technology status of PHEVs; considers the factors that will affect how rapidly PHEVs could enter the marketplace, including the interface with the electric transmission and distribution system; determines a maximum practical penetration rate for PHEVs consistent with the time frame and factors considered in the 2008 Hydrogen report; and incorporates PHEVs into the models used in the hydrogen study to estimate the costs and impacts on petroleum consumption and carbon dioxide emissions.

Maiella montagna madre

Jove

The automotive industry appears close to substantial change engendered by “ self-driving ” technologies. This technology offers the possibility of significant benefits to social welfare—saving lives; reducing crashes, congestion, fuel consumption, and pollution; increasing mobility for the disabled; and ultimately improving land use. This report is intended as a guide for state and federal policymakers on the many issues that this technology raises. Complete Guide to American Cars, 1966-76 Motorbooks Popular Mechanics inspires, instructs and influences readers to help them master the

modern world. Whether
it ' s practical DIY home-
improvement tips,
gadgets and digital
technology, information
on the newest cars or
the latest
breakthroughs in
science -- PM is the
ultimate guide to our
high-tech lifestyle.