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### Lemon-Aid New and Used Cars and Trucks 1990–2016 Springer

"Ronni's mind fell completely silent. She stopped being aware of the room around her, there was only the hateful figure of a bully and an abuser ahead of her, all else was a blur." You're in a strange city. Your friend is missing. Could you find the courage to do what is necessary? Would you even know where to start? These are the questions faced by law graduate Ronni Wong when her friend Jenny disappears after a date with a man she met online. Finding evidence suggesting that Jenny's internet lover hides the darkest of secrets, Ronni is forced to embark on a journey through social media to discover the identity of a kidnapper, and then a dangerous race against time through the streets of Metro Manila to save her friend's life. The clock is ticking, can Ronni make it in time? Join Ronni as her investigation into one disappearance leads her into mortal danger. Social Murder will keep you on the edge of your seat, and at the same time challenge you to think about how you use social media. Are you safe online?

Automotive Engineering International Dundurn  
This volume is about Pope Francis, the diplomat. In his eight years of pontificate, Pope Francis as a peacemaker has propagated the ideas of human and divine cooperation to build a global human fraternity through his journeys outside the Vatican. This book discusses his endeavours to connect and develop a common peaceful international order between countries, faith communities, and even antagonistic communities through a peaceful journey of human beings. The book analyses his speeches, and meetings as a diplomat of peace, including his visits to Cuba and the United States, and his mediations for peace in Colombia, Myanmar, Kenya, Egypt, Turkey, Jordan, Jerusalem, the Central African Republic, Sri Lanka, and Bangladesh. It discusses the role of Pope Francis as mediator in different circumstances through his own writings, letters, and Vatican documents; his encounters with world leaders; as well as his contributions to a universal understanding on inter-faith dialogue, climate change and the environment, and human migration and the refugee crisis. The volume also sheds light on his ideas on a post-pandemic just social order, as summarised in his 2020 encyclical. A definitive work on the diplomacy and the travels of Pope Francis, this volume will be of great interest to scholars and researchers of religious studies, peace and conflict studies, ethics and philosophy, and political science and international relations. It will be of great interest to the general reader as well.

### Junior Circular Dundurn

Smart grid (SG) is considered a form of intelligent system that allows the electric grid to perform its functions efficiently. The SG is a network that allows for the flow of electrical energy and data, where the data is used to make intelligent decisions in the operation of the electric grid. Artificial intelligence (AI) techniques, such as expert system (ES), Machine Learning (ML), and deep Learning (DL) have brought an advancing frontier in power electronics and power engineering with their powerful data processing capabilities. The SG relies on the flow of data to make its intelligent control; therefore, AI technology is a perfect fit for the SG. The application of AI technology in the SG has the potential to improve the intelligence of the SG. This research topic is focused on ways of improving the data analysis and control of SG by leveraging technologies. Manuscripts with the progress made in solving a range of miscellaneous and critical problems in SG by leveraging AI methods such as ES, ML, and DL methods are welcome. Reviews and original research that describe the latest developments in this field are considered for publication in this research topic. The scope of this Research Topic will include the following themes, but are not limited to: 1. Data-driven and artificial intelligence approaches to enhancing flexibility and resilience of SG. 2. Expert system, Machine Learning and Deep Learning, reinforcement learning and transfer learning for applications in SG. 3. AI for development in ensuring high reliability and stability of electric power system

with high penetration of renewable energy. 4. AI for studies in operation protection, integrated planning, and control of SG systems. 5. AI for development in diagnostics and diagnostics for SG. 6. Health monitoring of a modern wind generation system using an adaptive neuro-fuzzy system. 7. Space vector fault pattern identification of a smart grid subsystem by neural mapping. 8. Control techniques, mathematical programming methods, optimization techniques and metaheuristics applied in SG. 9. AI and optimization techniques for green energy and carbon footprint. 10. Novel applications of AI-based smart grids in smart cities, smart transportation, smart healthcare, and smart manufacturing.

### ROMANSY 21 - Robot Design, Dynamics and Control Springer Science & Business Media

"Dr. Phil," Canada's best-known automotive expert, invites another driver to come aboard. After forty-six years and almost two million copies sold, Phil Edmonston is joined by a co-pilot for the Lemon-Aid Guide — George Iny, along with the editors of the Automobile Protection Association. The 2017 Lemon-Aid has everything: an encyclopedic lineup of the best and worst cars, trucks, and SUVs sold since 2007; secret warranties and tips on the "art of complaining" to help you get your money back; and new-car buying tips that will save you tons of money by revealing the inflated cost of fancy and frivolous add-ons. Lemon-Aid is an essential guide for careful buyers and long-time gear-heads who don't know as much as they think.

### Pope Francis Getty Publications

formation. The basic ideas underlying knowledge visualization and information vi- alization are outlined. In a short preview of the contributions of this volume, the idea behind each approach and its contribution to the goals of the book are outlined. 2 The Basic Concepts of the Book Three basic concepts are the focus of this book: "data", "information", and "kno- edge". There have been numerous attempts to define the terms "data", "information", and "knowledge", among them, the OTEC Homepage "Data, Information, Kno- edge, and Wisdom" (Bellinger, Castro, & Mills, see <http://www.system-thinking.org/dikw/dikw.htm>): Data are raw. They are symbols or isolated and non-interpreted facts. Data represent a fact or statement of event without any relation to other data. Data simply exists and has no significance beyond its existence (in and of itself). It can exist in any form, usable or not. It does not have meaning of itself.

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

This proceedings volume contains papers that have been selected after review for oral presentation at ROMANSY 2016, the 21th CISM-IFTOMM Symposium on Theory and Practice of Robots and Manipulators. These papers cover advances on several aspects of the wide field of Robotics as concerning Theory and Practice of Robots and Manipulators. ROMANSY 2016 is the 21st event in a series that started in 1973 as one of the first conference activities in the world on Robotics. The first event was held at CISM (International Centre for Mechanical Science) in Udine, Italy on 5-8 September 1973. It was also the first topic conference of IFTOMM (International Federation for the Promotion of Mechanism and Machine Science) and it was directed not only to the IFTOMM community.

### Knowledge and Information Visualization Springer Nature

This book tells the story of the HIV epidemic in South Africa, and asks why, after more than three decades, it has not normalised. Despite considerable efforts to prevent infection, and ambitious targets set to end the epidemic by 2030, HIV infections are increasing among young women and treatment uptake and adherence have been uneven. Focusing on the years preceding and following treatment access, this book addresses why an end to AIDS may be misplaced optimism. By examining public discourses and private narratives about infection, illness and death, this work reveals the contradictions between the lived experiences of AIDS suffering on the one hand, and biomedical certainties on the other. Based on long-term ethnographic research in rural villages of the South African lowveld, and within HIV prevention interventions in South Africa more generally, this book offers an intimate perspective on the social and cultural responses to the epidemic.

### The Efficient Driver's Handbook — Your guide to fuel efficient driving techniques and car choice Springer

Complete guide for materials, engineering, modeling and processing of novel syntactic material Lightweight metal-type foams for aeronautical, recreational and electronic applications Focused on a new type of material, the book investigates the elements, synthesis and practical applications of metal matrix syntactic foams, which share properties of foams and metal matrix composites. The text reviews how syntactic foams are synthesized from different types of hollow particles and metal matrixes. Part one explains processing techniques such as

solidification and powder metallurgy and discusses foams made from a variety of matrix metals. Part two compares different syntactic foams based on density and strain rate. Original experimental data and modeling information are provided that show how metal matrix syntactic foams can be used for lighter weight components in vehicles, as well as for sensors and biomaterials.

### Automotive Chassis Engineering Springer Nature

Suggests ways to raise levels of visual literacy and enhance artistic enjoyment.

### Public Secrets and Private Sufferings in the South African AIDS Epidemic Taylor & Francis

Providing a comprehensive overview of hot stamping (also known as 'press hardening'), this book examines all essential aspects of this innovative metal forming method, and explores its various uses. It investigates hot stamping from both technological and business perspectives, and outlines potential future developments. Individual chapters explore topics such as the history of hot stamping, the state of the art, materials and processes employed, and how hot stamping is currently being used in the automotive industry to create ultra-high-strength steel components. Drawing on experience and expertise gathered from academia and industry worldwide, the book offers an accessible resource for a broad readership including students, researchers, vehicle manufacturers and metal forming companies.

### Cleaner Production National Academies Press

An analysis of Americans' environmental concerns and their willingness to translate their beliefs into action.

### Popular Science National Academies Press

A Globe and Mail bestseller! • "Dr. Phil," Canada's best-known automotive expert, and George Iny walk you through another year of car buying. After almost fifty years and two million copies sold, Phil Edmonston has a co-pilot for the Lemon-Aid Guide — George Iny, along with the editors of the Automobile Protection Association. The 2018 Lemon-Aid features comprehensive reviews of the best and worst vehicles sold since 2007. You'll find tips on the "art of complaining" to resolve your vehicular woes and strategies to ensure you don't get squeezed in the dealer's business office after you've agreed on a price and let your guard down. And to make sure you receive compensation where it's due, Lemon-Aid's unique secret warranties round-up covers manufacturer extended warranties for performance defects. Lemon-Aid is an essential guide for careful buyers and long-time gearheads (who may not know as much as they think).

### Towards Consistency and Transparency in Academic Integrity University Press of Kentucky

The crisis in the auto industry has resulted in a race between Volkswagen, as challenger, and Toyota, as tattered global market leader. Whether it is the German or the Japanese firm that takes pole position, the winner will change the balance of power in the automotive industry and lead the way to the automobiles of the future.

### Hot Stamping of Ultra High-Strength Steels MIT Press

"Everything today's driver needs to know about choosing and using a car in an economical and eco-efficient way: buy a car that delivers the best economy and low emissions, whilst still meeting your needs; learn how to drive to get best mpg and lowest emissions; interpret government fuel data to choose your eco-efficient car; understand why 4x4 vehicles have a bad reputation for eco-efficiency; get to grips with eco-related technical matters, such as "what's a DPF?"; learn to drive automatic gearbox vehicles in an economical/efficient way; work out if you're becoming a more economical driver; use readily available information to help you become a more eco-efficient driver; the pros and cons of hybrid vehicles and alternative fuels for the ordinary driver; future alternatives for powering cars - advantages and disadvantages."--Publisher's description.

### Autocar CRC Press

Introduces readers to the noble Yangtze River, its location, environments, climates, flora, and fauna.

### National Automotive Sampling System, Crashworthiness Data System Peter Lang GmbH, Internationaler Verlag Der Wissenschaften

This book introduces readers to the theory, design and applications of automotive transmissions. It covers multiple categories, e.g. AT, AMT, CVT, DCT and transmissions for electric vehicles, each of which has its own configuration and characteristics. In turn, the book addresses the effective design of transmission gear ratios, structures and control strategies, and other topics that will be of particular interest to graduate students, researchers and engineers. Moreover, it includes real-world solutions, simulation methods and testing procedures. Based on the author's extensive first-hand experience in the field, the book allows readers to gain a deeper understanding of vehicle transmissions.

### 7th International Munich Chassis Symposium 2016 Austin Macauley Publishers

Various combinations of commercially available technologies could greatly reduce fuel consumption in passenger cars, sport-utility

vehicles, minivans, and other light-duty vehicles without compromising vehicle performance or safety. Assessment of Technologies for Improving Light Duty Vehicle Fuel Economy estimates the potential fuel savings and costs to consumers of available technology combinations for three types of engines: spark-ignition gasoline, compression-ignition diesel, and hybrid. According to its estimates, adopting the full combination of improved technologies in medium and large cars and pickup trucks with spark-ignition engines could reduce fuel consumption by 29 percent at an additional cost of \$2,200 to the consumer. Replacing spark-ignition engines with diesel engines and components would yield fuel savings of about 37 percent at an added cost of approximately \$5,900 per vehicle, and replacing spark-ignition engines with hybrid engines and components would reduce fuel consumption by 43 percent at an increase of \$6,000 per vehicle. The book focuses on fuel consumption—the amount of fuel consumed in a given driving distance—because energy savings are directly related to the amount of fuel used. In contrast, fuel economy measures how far a vehicle will travel with a gallon of fuel. Because fuel consumption data indicate money saved on fuel purchases and reductions in carbon dioxide emissions, the book finds that vehicle stickers should provide consumers with fuel consumption data in addition to fuel economy information.

Atmospheric Electricity-aircraft Interaction DEStech Publications, Inc  
Written for students and practicing engineers working in automotive engineering, this book provides a fundamental yet comprehensive understanding of chassis systems and requires little prior knowledge on the part of the reader. It presents the material in a practical and realistic manner, using reverse engineering as a basis for examples to reinforce understanding of the topics. The specifications and characteristics of vehicles currently on the market are used to exemplify the theory's application, and care is taken to connect the various topics covered, so as to clearly demonstrate their interrelationships. The book opens with a chapter on basic vehicle mechanics, which include the forces acting on a vehicle in motion, assuming a rigid body. It then proceeds to a chapter on steering systems, which provides readers with a firm understanding of the principles and forces involved under static and dynamic loading. The next chapter focuses on vehicle dynamics by considering suspension systems—tyres, linkages, springs, dampers etc. The chapter on chassis structures and materials includes analysis tools (typically, finite element analysis) and design features that are used to reduce mass and increase occupant safety in modern vehicles. The final chapter on Noise, Vibration and Harshness (NVH) includes a basic overview of acoustic and vibration theory and makes use of extensive research investigations and practical experience as a means of addressing NVH issues. In all subject areas the authors take into account the latest trends, anticipating the move towards electric vehicles, on-board diagnostic monitoring, active systems and performance optimisation. The book features a number of worked examples and case studies based on recent research projects. All students, including those on Master's level degree courses in Automotive Engineering, and professionals in industry who want to gain a better understanding of vehicle chassis engineering, will benefit from this book.

Advances in Artificial Intelligence Application in Data Analysis and Control of Smart Grid Dundurn

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.

Confessions of the Pricing Man Baltic University Press

By 1926, it seemed that John R. Brinkley's experimental rejuvenation cure—transplanting goat glands 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. To most in the medical field, he was a quack. But to his many patients and listeners, he was a brilliant surgeon, a savior of their lost manhood and youth. His rogue radio stations, XER and its successor XERA, eventually broadcast at an antenna-shattering 1,000,000 watts and not only were a megaphone for Brinkley's lucrative quackery but also hosted an unprecedented number of then-unknown country musicians and other guests. The Bizarre Careers of John R. Brinkley tells the story of the infamous "Goat Gland Doctor"—a controversial medical charlatan, groundbreaking radio impresario, and prescient political campaigner—and recounts his amazing rags-to-riches-to-rags career. A master manipulator and skilled con artist, Brinkley left behind a patchwork of myths and unreliable personal accounts that many writers have merely perpetuated—until now. Alton Lee brings Brinkley's infamous legacy to the

forefront, exploring how he ruthlessly exploited the sexual frustrations of aging men and the general public's antipathy toward medical doctors. Lee leaves no stone unturned in this account of a man who changed the course of American institutions forever.