

Peugeot 306 Window Regulator

A detailed overview of the theories, concepts, research methods, and findings in the field of language policy is provided here in one accessible source. The author proposes new methodological, theoretical, and conceptual directions and offers guidance for doing language policy research.

This historical and factual encyclopedia provides the necessary resources for understanding the recession begun in 2007. It spells out the recession-related activities and events of the past two years to better inform the reader as he or she plans future moves for themselves and for their families, friends, and colleagues. This book provides the most current, accurate, and sufficiently detailed explanations of the economic see-saw in 2008, 2009, and into 2010. It includes entries on key persons, companies, government programs, financial instruments, and institutions.

"...GENERAL MOTORS in 1933 reached its twenty-fifth milestone. Since the founding of General Motors Company of New Jersey in 1908, the growth of the organization has contributed a unique chapter to American industrial history. From beginnings so small that its birth escaped notice in financial centers, General Motors has worked its way steadily forward to a place where its leadership in many of the most exacting branches of production and distribution is taken for granted and where it meets the public of many lands with a wide variety of merchandise and services. Scientific research, close attention to dealer and consumer needs, and constructive public policies are among the factors accounting for General Motors' present strength. My acquaintance with General Motors began at its birth in 1908, and as a somewhat impartial observer of social trends I have watched its progress with keen interest ever since" ARTHUR POUND - 1934

This book discusses the recent advances in combustion strategies and engine technologies, with specific reference to the automotive sector. Chapters discuss the advanced combustion technologies, such as gasoline direct ignition (GDI), spark assisted compression ignition (SACI), gasoline compression ignition (GCI), etc., which are the future of the automotive sector. Emphasis is given to technologies which have the potential for utilization of alternative fuels as well as emission reduction. One special section includes a few chapters for methanol utilization in two-wheelers and four wheelers. The book will serve as a valuable resource for academic researchers and professional automotive engineers alike.

The Strategy for a Volatile, Fragmented Business Environment

Who Really Made Your Car?

Design, Theory and Applications

Standing up for a Sustainable World

World Development Report 2020

Automotive Transmissions

Initially, the only electric loads encountered in an automobile were for lighting and the starter motor. Today, demands on performance, safety, emissions, comfort, convenience, entertainment, and communications have seen the working-in of seemingly innumerable advanced electronic devices. Consequently, vehicle electric systems require larger capacities and more complex configurations to deal with these demands. Covering applications in conventional, hybrid-electric, and electric vehicles, the Handbook of Automotive Power Electronics and Motor Drives provides a comprehensive reference for automotive electrical systems. This authoritative handbook features contributions from an outstanding international panel of experts from industry and academia, highlighting existing and emerging technologies. Divided into five parts, the Handbook of Automotive Power Electronics and Motor Drives offers an overview of automotive power systems, discusses semiconductor devices, sensors, and other components, explains different power electronic converters, examines electric machines and associated drives, and details various advanced electrical loads as well as battery technology for automobile applications. As we seek to answer the call for safer, more efficient, and lower-emission vehicles from regulators and consumer insistence on better performance, comfort, and entertainment, the technologies outlined in this book are vital for engineering advanced vehicles that will satisfy these criteria.

This book interweaves the concepts of the guidance on globalization, international management, and the intricacies of international business that many books on the market treat independently. It clarifies and explains culture, cultural misunderstandings, and cross-cultural interactions. Adekola and Sergi's text is unique in that it offers both the management perspective and the cultural perspective. It is for managers seeking to thrive in the global economy. This book focuses on managing global organizations, providing a basis for understanding the influence of culture on international management, and the key roles that international managers play. It clearly shows how to develop the cross-cultural expertise essential to succeed in a world of rapid and profound economic, political and cultural changes.

Based on a wealth of empirical studies and case studies, this book explains the strategic choices companies have to make in order to remain consistent. In each chapter, real-life examples illuminate the key message managers should take away from the book. It offers a purely managerial viewpoint focused on what managers can do to manage the business environment in any situation.

Diagnostics, or fault finding, is a fundamental part of an automotive technician's work, and as automotive systems become increasingly complex there is a greater need for good diagnostic skills. *Advanced Automotive Fault Diagnosis* is the only book to treat automotive diagnostics as a science rather than a check-list procedure. Each chapter includes basic principles and examples of a vehicle system followed by the appropriate diagnostic techniques, complete with useful diagrams, flow charts, case studies and self-assessment questions. The book will help new students develop diagnostic skills and help experienced technicians improve even further. This new edition is fully updated to the latest technological developments. Two new chapters have been added – On-board diagnostics and Oscilloscope diagnostics – and the coverage has been matched to the latest curricula of motor vehicle qualifications, including: IMI and C&G Technical Certificates and NVQs; Level 4 diagnostic units; BTEC National and Higher National qualifications from Edexcel; International Motor Vehicle qualifications such as C&G 3905; and ASE certification in the USA.

The Symbiotic Man

Vehicle Propulsion Systems

Introduction to Modeling and Optimization

Automotive Paints and Coatings

Limit Order Books

Handbook of Hedge Funds

A limit order book is essentially a file on a computer that contains all orders sent to the market, along with their characteristics such as the sign of the order, price, quantity and a timestamp. The majority of organized electronic markets rely on limit order books to store the list of interests of market participants on their central computer. A limit order book contains all the information available on a specific market and it reflects the way the market moves under the influence of its participants. This book discusses several models of limit order books. It begins by discussing the data to assess their empirical properties, and then moves on to mathematical models in order to reproduce the observed properties. Finally, the book presents a framework for numerical simulations. It also covers important modelling techniques including agent-based modelling, and advanced modelling of limit order books based on Hawkes processes. The book also provides in-depth coverage of simulation techniques and introduces general, flexible, open source library concepts useful to readers studying trading strategies in order-driven markets. Within the past four decades a powerful scientific methodology has emerged that promises to dramatically recast our concept of nature and mankind's place in it. Unlike the traditional analytical approach which breaks nature down into smaller and smaller constituent parts, chaos theory, the theory of self-organization, and other so-called sciences of complexity, explore dynamic systems in their totalities, so as to lay bare the great constants governing their emergence, organization, and evolution. Using the tools of complexity, researchers recently have made breakthroughs in the understanding of such diverse phenomena as weather systems, economies, and even the most daunting scientific mystery of all, the mind as an emergent property of the brain's dense neuronal mazes.

This is one in a series of manuals for car or motorcycle owners. Each book provides information on routine maintenance and servicing, with tasks described and photographed in a step-by-step sequence so that even a novice can do the work.

An advanced level introductory book covering fundamental aspects, design and dynamics of electric and hybrid electric vehicles

*There is significant demand for an understanding of the fundamentals, technologies, and design of electric and hybrid electric vehicles and their components from researchers, engineers, and graduate students. Although there is a good body of work in the literature, there is still a great need for electric and hybrid vehicle teaching materials. *Electric and Hybrid Vehicles:**

Technologies, Modeling and Control – A Mechatronic Approach is based on the authors' current research in vehicle systems and will include chapters on vehicle propulsion systems, the fundamentals of vehicle dynamics, EV and HEV technologies, chassis systems, steering control systems, and state, parameter and force estimations. The book is highly illustrated, and examples will be given throughout the book based on real applications and challenges in the automotive industry. Designed to help a new generation of

engineers needing to master the principles of and further advances in hybrid vehicle technology Includes examples of real applications and challenges in the automotive industry with problems and solutions Takes a mechatronics approach to the study of electric and hybrid electric vehicles, appealing to mechanical and electrical engineering interests Responds to the increase in demand of universities offering courses in newer electric vehicle technologies

Systems and Components

Corporate Diplomacy

Global Business Management

Electric Vehicle Technology Explained

Digital Entrepreneurship

The Collaborative Economy in Action: European Perspectives

This book is intended to serve as a comprehensive reference on the design and development of diesel engines. It talks about combustion and gas exchange processes with important references to emissions and fuel consumption and descriptions of the design of various parts of an engine, its coolants and lubricants, and emission control and optimization techniques. Some of the topics covered are turbocharging and supercharging, noise and vibrational control, emission and combustion control, and the future of heavy duty diesel engines. This volume will be of interest to researchers and professionals working in this area.

The second edition of Automobile Mechanical and Electrical Systems concentrates on core technologies to provide the essential information required to understand how different vehicle systems work. It gives a complete overview of the components and workings of a vehicle from the engine through to the chassis and electronics. It also explains the necessary tools and equipment needed in effective car maintenance and repair, and relevant safety procedures are included throughout. Designed to make learning easier, this book contains: Photographs, flow charts and quick reference tables Detailed diagrams and clear descriptions that simplify the more complicated topics and aid revision Useful features throughout, including definitions, key facts and "safety first" considerations. In full colour and with support materials from the author's website (www.automotive-technology.org), this is the guide no student enrolled on an automotive maintenance and repair course should be without.

Use this guide to get help with consumer purchases, problems and complaints. Find consumer contacts at hundreds of companies and trade associations; local, state, and federal government agencies; national consumer organizations; and more.

The authors of this text have written a comprehensive introduction to the modeling and optimization problems encountered when designing new propulsion systems for passenger cars. It is intended for persons interested in the analysis and optimization of vehicle propulsion systems. Its focus is on the control-oriented mathematical description of the physical processes and on the model-based optimization of the system structure and of the supervisory control algorithms.

100 Minds That Made the Market

A Cross-Cultural Perspective

Automobile Electrical and Electronic Systems

Advanced Automotive Fault Diagnosis

Language Policy

Select Proceedings of ICSC 2018

This open access book explores the global challenges and experiences related to digital entrepreneurial activities, using carefully selected examples from leading companies and economies that shape world business today and tomorrow. Digital entrepreneurship and the companies steering it have an enormous global impact; they promise to transform the business world and change the way we communicate with each other. These companies use digitalization and artificial intelligence to enhance the quality of decisions and augment their business and customer operations. This book demonstrates how cloud services are continuing to evolve; how cryptocurrencies are traded in the banking industry; how platforms are created to commercialize business, and how, taken together, these developments provide new opportunities in the digitalized era. Further, it discusses a wide range of digital factors changing the way businesses operate, including artificial intelligence, chatbots, voice search, augmented and virtual reality, as well as cyber threats and data privacy management. "Digitalization mirrors the Industrial Revolution's impact. This book provides a complement of perspectives on the opportunities emanating from such a deep seated change in our economy. It is a comprehensive collection of thought leadership mapped into a very useful framework. Scholars, digital entrepreneurs and practitioners will benefit from this timely work." Gina O'Connor, Professor of Innovation Management at Babson College, USA "This book defines and delineates the requirements for companies to enable their businesses to succeed in a post-COVID19 world. This book deftly examines how to accomplish and achieve digital entrepreneurship by leveraging cloud computing, AI, IoT and other critical technologies. This is truly a unique "must-read" book because it goes beyond theory and provides practical examples." Charlie Isaacs, CTO of Customer Connection at Salesforce.com, USA "This book provides digital entrepreneurs useful guidance identifying, validating and building their venture. The international authors developed new perspectives on digital entrepreneurship that can support to create impact ventures." Felix Staeritz, CEO FoundersLane, Member of the World Economic Forum Digital Leaders Board and bestselling author of FightBack, Germany

This book addresses the various challenges and open questions relating to CAN communication networks. Opening with a short introduction into the fundamentals of CAN, the book then examines the problems and solutions for the physical layout of networks, including EMC issues and topology layout. Additionally, a discussion of quality issues with a particular focus on test techniques is presented. Each chapter features a collection of illuminating insights and detailed technical information supplied by a selection of internationally-regarded experts from industry and academia. Features: presents thorough coverage of architectures, implementations and application of CAN transceiver, data link layer and so-called higher layer software; explains CAN EMC characteristics and countermeasures, as well as how to design CAN networks; demonstrates how to practically apply and test CAN systems; includes examples of real networks from diverse applications in automotive engineering, avionics, and home heating technology.

This machine is destined to completely revolutionize cylinder diesel engine up through large low speed t- engine engineering and replace everything that exists. stroke diesel engines. An appendix lists the most

(From Rudolf Diesel's letter of October 2, 1892 to the important standards and regulations for diesel engines. publisher Julius Springer.) Further development of diesel engines as economiz- Although Diesel's stated goal has never been fully ing, clean, powerful and convenient drives for road and achievable of course, the diesel engine indeed revolu- nonroad use has proceeded quite dynamically in the tionized drive systems. This handbook documents the last twenty years in particular. In light of limited oil current state of diesel engine engineering and technol- reserves and the discussion of predicted climate ogy. The impetus to publish a Handbook of Diesel change, development work continues to concentrate Engines grew out of ruminations on Rudolf Diesel's on reducing fuel consumption and utilizing alternative transformation of his idea for a rational heat engine fuels while keeping exhaust as clean as possible as well into reality more than 100 years ago. Once the patent as further increasing diesel engine power density and was filed in 1892 and work on his engine commenced enhancing operating performance.

Introducing the new Fisher Investment Series, comprised of engaging and informative titles written by renowned money manager and bestselling author Ken Fisher. This series offers essential insights into the worlds of investing and finance. Over the course of nearly two centuries, the innovations, mistakes, and scandals of different market participants have played an important role in shaping today's financial markets. Now, in 100 Minds That Made the Market, Ken Fisher delivers cameo biographies of these pioneers of American financial history. From Joe Kennedy's "sexcapades" to Jesse Livermore's suicide, this book details the drama, the dirt, and the financial principles of an amazingly inventive group of financial minds. Fisher digs deep to uncover the careers, personal lives, and contributions of these individuals, and leads you through the lessons that can be learned from each one. Here you have 100 of the best teachers -- some you already know, some you will feel you know, and some you may not have previously discovered -- whose experiences will undoubtedly enhance your understanding of the markets. With a few pages dedicated to each person, 100 Minds That Made the Market quickly captures the essence of the people and ideas that have influenced the evolution of the financial industry.

Automotive Air Conditioning and Climate Control Systems

Advances in Signal Processing and Communication

Electric and Hybrid Vehicles

Advanced Combustion Techniques and Engine Technologies for the Automotive Sector

An Introduction to Modern Vehicle Design

FREIGHTVISION - Sustainable European Freight Transport 2050

This book presents the advancements made in applied metrology in the field of Urban Drainage and Storm water Management over the past two decades in scientific research as well as in practical applications. Given the broadness of this subject (measuring principles, uncertainty in data, data validation, data storage and communication, design, maintenance and management of monitoring networks, technical details of sensor technology), the focus is on water quantity and a sound metrological basis. The book offers common ground for academics and practitioners when setting up monitoring projects in urban drainage and storm water management. This will enable an easier exchange of results so as to allow for a faster scientific progress in the field. A second, but equally important goal, is to allow practitioners access to scientific developments and gained experience when it comes to monitoring urban drainage and storm water systems. In-depth description of international case studies covering all aspects discussed in the book are presented, along with self-training exercises and codes available for readers on a companion website.

This book presents operational and practical issues of automotive mechatronics with special emphasis on the heterogeneous automotive vehicle systems approach, and is intended as a graduate text as well as a reference for scientists and engineers involved in the design of automotive mechatronic control systems. As the complexity of automotive vehicles increases, so does the dearth of high competence, multi-disciplined automotive scientists and engineers. This book provides a discussion into the type of mechatronic control systems found in modern vehicles and the skills required by automotive scientists and engineers working in this environment. Divided into two volumes and five parts, Automotive Mechatronics aims at improving automotive mechatronics education and emphasises the training of students' experimental hands-on abilities, stimulating and promoting experience among high education institutes and produce more automotive mechatronics and automation engineers. The main subject that are treated are: VOLUME I: RBW or XBW unibody or chassis-motion mechatronic control hypersystems; DBW AWD propulsion mechatronic control systems; BBW AWB dispulsion mechatronic control systems; VOLUME II: SBW AWS diversion mechatronic control systems; ABW AWA suspension mechatronic control systems. This volume was developed for undergraduate and postgraduate students as well as for professionals involved in all disciplines related to the design or research and development of automotive vehicle dynamics, powertrains, brakes, steering, and shock absorbers (dampers). Basic knowledge of college mathematics, college physics, and knowledge of the functionality of automotive vehicle basic propulsion, dispulsion, conversion and suspension systems is required.

Now in its second edition and still the only book of its kind, this is an authoritative treatment of all stages of the coating process -- from body materials, paint shop design, and pre-treatment, through primer surfacers and top coats. New topics of interest covered are color control, specification and testing of coatings, as well as quality and supply concepts, while valuable information on capital and legislation aspects is given. Invaluable for engineers in the automotive and paints and coatings industry as well as for students in the field.

This book offers a comprehensive look at an industry that plays a growing role in motor vehicle production in the United States.

A New Understanding of the Organization of Life and a Vision of the Future

Handbook of Automotive Power Electronics and Motor Drives

Citroen Berlingo & Peugeot Partner
Vehicle Powertrain Systems

Discoveries and Inventions of the Nineteenth Century
Proceedings of the Second Conference MeTrApp 2013

This book has been written on the basis of the research done between 2008 and 2010 as part of the European Commission funded FREIGHTVISION project. The "FREIGHTVISION - Freight Transport 2050 Foresight" project was funded by the Directorate General MOVE to design a long term vision for European freight transport in 2050 and to identify actions and research to progress appropriate freight transport measures in Europe. The project was carried out as a foresight process encompassing four conferences in which the project team identified and developed with the aid of more than 100 experts an action plan for securing long term freight transport in Europe. The book provides insights into the freight transport visions and Backcasts identified for 2035 and 2050, issues which need to be addressed and measures which were assessed to be part of future paths to assure an economical, environmental, and social freight transport system.

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.

The world has witnessed extraordinary economic growth, poverty reduction and increased life expectancy and population since the end of WWII, but it has occurred at the expense of undermining life support systems on Earth and subjecting future generations to the real risk of destabilising the planet. This timely book exposes and explores this colossal environmental cost and the dangerous position the world is now in. Standing up for a Sustainable World is written by and about key individuals who have not only understood the threats to our planet, but also become witness to them and confronted them.

A comprehensive guide to the burgeoning hedge fund industry Intended as a comprehensive reference for investors and fund and portfolio managers, Handbook of Hedge Funds combines new material with updated information from Francois-Serge L'habitant's two other successful hedge fund books. This book features up-to-date regulatory and historical information, new case studies and trade examples, detailed analyses of investment strategies, discussions of hedge fund indices and databases, and tips on portfolio construction. Francois-Serge L'habitant (Geneva, Switzerland) is the Head of Investment Research at Kedge Capital. He is Professor of Finance at the University of Lausanne and at EDHEC Business School, as well as the author of five books, including Hedge Funds: Quantitative Insights (0-470-85667-X) and Hedge Funds: Myths & Limits (0-470-84477-9), both from Wiley.

Diesel Engine Management

Impact on Business and Society

Technologies, Modeling and Control - A Mechatronic Approach

Automobile Mechanical and Electrical Systems

CAN System Engineering

This reference book provides a comprehensive insight into today's diesel injection systems and electronic control. It focusses on minimizing emissions and exhaust-gas treatment. Innovations by Bosch in the field of diesel-injection technology have made a significant contribution to the diesel boom. Calls for lower fuel consumption, reduced exhaust-gas emissions and quiet engines are making greater demands on the engine and fuel-injection systems.

Some 20 years after writing The Technological Society, Jacques Ellul realized how the totalistic dimensions of our modern technological milieu required an additional treatment of the topic. Writing amidst the rise of books in the 1970s on pollution, over-population, and environmental degradation, Ellul found it necessary, once again, to write about the global presence of technology and its far-reaching effects. The Technological System represents a new stage in Ellul's research. Previously he studied technological society as such; in this book he approaches the topic from a systems perspective wherein he identifies the characteristics of technological phenomena and technological progress in light of system theory. This leads to an entirely new approach to what constitutes the most important event of our society which has decisive bearing on the future of our world. Ellul's analysis touches on all aspects of modern life, not just those of a scientific or technological order. In the end, readers are compelled to formulate their own opinions and make their own decisions regarding the way a technique-based value system affects every level of human life.

'An Introduction to Modern Vehicle Design' provides a thorough introduction to the many aspects of passenger car design in one volume. Starting with basic principles, the author builds up analysis procedures for all major aspects of vehicle and component design. Subjects of current interest to the motor industry, such as failure prevention, designing with modern materials, ergonomics and control systems are covered in detail, and the author concludes with a discussion on the future trends in automobile design. With contributions from both academics lecturing in motor vehicle engineering and those working in the industry, "An Introduction to Modern Vehicle Design" provides students with an excellent overview and background in the design of vehicles before they move on to specialised areas. Filling the niche between the more descriptive low level books and books which focus on specific areas of the design process, this unique volume is essential for all students of automotive engineering. Only book to cover the broad range of topics for automobile design and analysis procedures Each topic written by an expert with many years experience of the automotive industry

Global value chains (GVCs) powered the surge of international trade after 1990 and now account for almost half of all trade. This shift enabled an unprecedented economic convergence: poor countries grew rapidly and began to catch up with richer countries. Since the 2008 global financial crisis, however, the growth of trade has been sluggish and the expansion of GVCs has stalled. Meanwhile, serious threats have emerged to the model of trade-led growth. New technologies

could draw production closer to the consumer and reduce the demand for labor. And trade conflicts among large countries could lead to a retrenchment or a segmentation of GVCs. World Development Report 2020: Trading for Development in the Age of Global Value Chains examines whether there is still a path to development through GVCs and trade. It concludes that technological change is, at this stage, more a boon than a curse. GVCs can continue to boost growth, create better jobs, and reduce poverty provided that developing countries implement deeper reforms to promote GVC participation; industrial countries pursue open, predictable policies; and all countries revive multilateral cooperation.

The Turning Wheel - The story of General Motors through twenty-five years 1908-1933

Volume I

The Concise Encyclopedia of The Great Recession 2007-2010

Trading for Development in the Age of Global Value Chains

Handbook of Diesel Engines

Restructuring and Geographic Change in the Auto Industry

Automotive Air-conditioning and Climate Control Systems is a complete text and reference on the theoretical, practical and legislative aspects of vehicle climate control systems for automotive engineering students and service professionals. It provides the reader with a thorough up-to-date knowledge of current A/C systems, refrigerants and the new possible replacement systems like CO₂, and includes unrivalled coverage of electronic and electrical control. Filling the gap in the automotive engineering and servicing market for students and those training on the job, this book will help both newcomers and those with more experience of air-conditioning systems maintenance engineering to keep up with the latest developments and legislation. Detailed coverage of European and US vehicle HVAC systems Thorough explanation of current and future systems including CO₂ Meets relevant C&G, IMI, and HND vocational and professional qualifications IMI recommended reading material Includes practical cases studies and examples from design and manufacturing companies including Ford, Vauxhall, Toyota, VW, Visteon, Sanden and others, accompanied by over 300 detailed illustrations and photographs

The Second Conference on Mechanisms, Transmissions and Applications - MeTrApp 2013 was organised by the Mechanical Engineering Department of the University of the Basque Country (Spain) under the patronage of the IFToMM Technical Committees Linkages and Mechanical Controls and Micromachines and the Spanish Association of Mechanical Engineering. The aim of the workshop was to bring together researchers, scientists, industry experts and students to provide, in a friendly and stimulating environment, the opportunity to exchange know-how and promote collaboration in the field of Mechanism and Machine Science. The topics treated in this volume are mechanism and machine design, biomechanics, mechanical transmissions, mechatronics, computational and experimental methods, dynamics of mechanisms and micromechanisms and microactuators.

Electric Vehicle Technology Explained John Wiley & Sons Vehicle Propulsion Systems Introduction to Modeling and Optimization Springer Science & Business Media

This textbook will help you learn all the skills you need to pass all Vehicle Electrical and Electronic Systems courses and qualifications. As electrical and electronic systems become increasingly more complex and fundamental to the workings of modern vehicles, understanding these systems is essential for automotive technicians. For students new to the subject, this book will help to develop this knowledge, but will also assist experienced technicians in keeping up with recent technological advances. This new edition includes information on developments in pass-through technology, multiplexing, and engine control systems. In full colour and covering the latest course specifications, this is the guide that no student enrolled on an automotive maintenance and repair course should be without. Designed to make learning easier, this book contains: Photographs, flow charts, quick reference tables, overview descriptions and step-by-step instructions. Case studies to help you put the principles covered into a real-life context. Useful margin features throughout, including definitions, key facts and 'safety first' considerations.

Forecast, Vision and Policy Recommendation

From Theory to Practical Applications

Design and Development of Heavy Duty Diesel Engines

Automotive Mechatronics: Operational and Practical Issues

Metrology in Urban Drainage and Stormwater Management: Plug and pray

The Technological System

The powertrain is at the heart of vehicle design; the engine – whether it is a conventional, hybrid or electric design – provides the motive power, which is then managed and controlled through the transmission and final drive components. The overall powertrain system therefore defines the dynamic performance and character of the vehicle. The design of the powertrain has conventionally been tackled by analyzing each

of the subsystems individually and the individual components, for example, engine, transmission and driveline have received considerable attention in textbooks over the past decades. The key theme of this book is to take a systems approach – to look at the integration of the components so that the whole powertrain system meets the demands of overall energy efficiency and good drivability. Vehicle Powertrain Systems provides a thorough description and analysis of all the powertrain components and then treats them together so that the overall performance of the vehicle can be understood and calculated. The text is well supported by practical problems and worked examples. Extensive use is made of the MATLAB(R) software and many example programmes for vehicle calculations are provided in the text. Key features:

*Structured approach to explaining the fundamentals of powertrain engineering
Integration of powertrain components into overall vehicle design
Emphasis on practical vehicle design issues
Extensive use of practical problems and worked examples
Provision of MATLAB(R) programmes for the reader to use in vehicle performance calculations*

This comprehensive and integrated analysis of vehicle powertrain engineering provides an invaluable resource for undergraduate and postgraduate automotive engineering students and is a useful reference for practicing engineers in the vehicle industry

The book titled The Collaborative Economy in Action: European Perspectives is one of the important outcomes of the COST Action CA16121, From Sharing to Caring: Examining the Socio-Technical Aspects of the Collaborative Economy (short name: Sharing and Caring; sharingandcaring.eu) that was active between March 2017 and September 2021. The Action was funded by the European Cooperation in Science and Technology - COST (www.cost.eu/actions/CA16121). The main objective of the COST Action Sharing and Caring is the development of a European network of researchers and practitioners interested in investigating the collaborative economy models, platforms, and their socio-technological implications. The network involves scholars, practitioners, communities, and policymakers. The COST Action Sharing and Caring helped to connect research initiatives across Europe and enabled scientists to develop their ideas by collaborating with peers. This collaboration opportunity represented a boost for the participants' research, careers, and innovation potential. The main aim of this book is to provide a comprehensive overview of the collaborative economy (CE) in European countries with a variety of its aspects for a deeper understanding of the phenomenon as a whole. For this reason, in July 2017, an open call for country reports was distributed among the members of the COST Action Sharing and Caring. Representatives of the member countries were invited to produce short country reports covering: definition(s) of the CE; types and models of the CE; key stakeholders involved; as well as legislation and technological tools relevant for the CE. Submitted reports varied in length and regarding the level of detail included, in accordance with how much information was available in each respective country at the time of writing. Editors of the book have compiled these early reports into a summary report, which was intended as a first step in mapping the state of the CE in Europe. The Member Countries Report on the Collaborative Economy, edited by Gaia Mosconi, Agnieszka Lukaszewicz, and Gabriela Avram (2018) that was published on the Sharing and Caring website, represented its first synergetic outcome and provided an overview of the CE phenomenon as interpreted and manifested in each of the countries part of the network. Additionally, Sergio Nassare-Aznar, Kosjenka Dumančić, and Giulia Priora compiled a Preliminary Legal Analysis of Country Reports on Cases of Collaborative Economy (2018). In 2018, after undertaking an analysis of the previous reports' strengths and weaknesses, the book editors issued a call for an updated version of these country reports. Prof. Ann Light advised the editorial team, proposing a new format for country reports and 4000 words limit. The template included: Introduction, Definition, Key Questions, Examples, Illustration, Context, Developments, Issues, Other Major Players, and Relevant Literature. The new template was approved by the Management Committee in October 2018. The task force that had supported the production of the first series of country reports (Dimitar Trajanov, Maria del Mar Alonso, Bálint Balázs, Kosjenka Dumančić, and Gabriela Avram) acted as mentors for the team of authors in each country. The final reports arrived at the end of 2018, bringing the total number of submissions to 30 (twenty-nine European countries plus Georgia). A call for book editors was issued, and a new editorial team was formed by volunteers from the participants of the COST Action: Andrzej Klimczuk, Vida Česnuityte, Cristina Miguel, Santa Mijalche, Gabriela Avram, Bori Simonovits, Bálint Balázs, Kostas Stefanidis, and Rafael Laurenti. The editorial team organized the double-blind reviews of reports and communicated to the authors the requirements for improving their texts. After reviews, the authors submitted updated versions of their country reports providing up-to-date interdisciplinary analysis on the state of the CE in 2019, when the reports were collected. During the final phase, the chapters were again reviewed by the lead editors together with all editorial team members. At the time, the intention was to update these reports again just before the end of the COST Action Sharing and Caring in 2021 and to produce a third edition. However, the COVID-19 pandemic changed these plans. Thus, this final volume was created by 82 scholars-editors and contributors-and consists of reports on 27 countries participating in the COST Action.

This book is a collection of selected peer-reviewed papers presented at the International Conference on Signal Processing and Communication (ICSC 2018). It covers current research and developments in the fields of communications, signal processing, VLSI circuits and systems, and

embedded systems. The book offers in-depth discussions and analyses of latest problems across different sub-fields of signal processing and communications. The contents of this book will prove to be useful for students, researchers, and professionals working in electronics and electrical engineering, as well as other allied fields.

Voices of Change

Consumer Action Handbook, 2010 Edition

A Handbook

New Advances in Mechanisms, Transmissions and Applications