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### **KEY=PARK - RANDOLPH GOOD**

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#### **HANDBOOK OF DRIVER ASSISTANCE SYSTEMS**

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#### **BASIC INFORMATION, COMPONENTS AND SYSTEMS FOR ACTIVE SAFETY AND COMFORT**

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*Springer* This fundamental work explains in detail systems for active safety and driver assistance, considering both their structure and their function. These include the well-known standard systems such as Anti-lock braking system (ABS), Electronic Stability Control (ESC) or Adaptive Cruise Control (ACC). But it includes also new systems for protecting collisions protection, for changing the lane, or for convenient parking. The book aims at giving a complete picture focusing on the entire system. First, it describes the components which are necessary for assistance systems, such as sensors, actuators, mechatronic subsystems, and control elements. Then, it explains key features for the user-friendly design of human-machine interfaces between driver and assistance system. Finally, important characteristic features of driver assistance systems for particular vehicles are presented: Systems for commercial vehicles and motorcycles.

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### **FIAT UNO SERVICE AND REPAIR MANUAL**

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*Haynes Publishing*

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### **ADVANCED AUTOMOTIVE FAULT DIAGNOSIS**

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*Routledge* 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.

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### **GREEN STORMWATER INFRASTRUCTURE FUNDAMENTALS AND DESIGN**

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*John Wiley & Sons* **Green Stormwater Infrastructure Fundamentals and Design** Discover novel stormwater control measures to make for a greener tomorrow! The protection of our aquatic resources is growing in importance as the effects of climate change and continued urbanization are felt throughout the world. While most rain that falls onto vegetated spaces infiltrates the soil, rain that falls onto impervious surfaces will not, increasing downstream flooding and erosion and causing impaired water quality. Impervious surfaces such as road infrastructure, rooftops, and parking areas all increase runoff and mobilize many pollutants that have deposited on these surfaces that are then carried into our waterways. Proper management of this stormwater through green infrastructure is essential to address these challenges and reduce the environmental and ecological impacts brought about by this runoff. This book brings into focus resilient stormwater control measures (SCMs) for the reduction of stormwater flows and associated pollutants that can detrimentally impact our local environmental and ecological systems. These interventions are green infrastructure based, utilizing natural hydrologic and environmental features

using soil and vegetation to manage stormwater. These technologies include water harvesting, bioretention and bioinfiltration, vegetated swales and filter strips, permeable pavements, sand filters, green roofs, and stormwater wetlands, among others. The basic science and engineering of these technologies is discussed, including performance information and best maintenance practices. Green Stormwater Infrastructure readers will also find: Research-informed resilient SCM design fundamentals Diagrams developed by the authors to enhance understanding Case studies to illustrate the points elucidated in the book End-of-chapter problems with a separate solutions manual Green Stormwater Infrastructure is an ideal resource for environmental, civil, and biological engineers and environmental scientists in the consulting field. Landscape architects, managers and engineers of watershed districts, and members of federal, state, and local governmental agencies—especially those in the departments of environmental protection and transportation—will find many uses for this guidebook. It will also be of interest to professors, upper-level undergraduates and graduate students in environmental, civil, and biological engineering programs.

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### **AUTOMOTIVE EMBEDDED SYSTEMS HANDBOOK**

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*CRC Press* A Clear Outline of Current Methods for Designing and Implementing Automotive Systems Highlighting requirements, technologies, and business models, the *Automotive Embedded Systems Handbook* provides a comprehensive overview of existing and future automotive electronic systems. It presents state-of-the-art methodological and technical solutions in the areas of in-vehicle architectures, multipartner development processes, software engineering methods, embedded communications, and safety and dependability assessment. Divided into four parts, the book begins with an introduction to the design constraints of automotive-embedded systems. It also examines AUTOSAR as the emerging de facto standard and looks at how key technologies, such as sensors and wireless networks, will facilitate the conception of partially and fully autonomous vehicles. The next section focuses on networks and protocols, including CAN, LIN, FlexRay, and TTCAN. The third part explores the design processes of electronic embedded systems, along with new design methodologies, such as the virtual platform. The final section presents validation and verification techniques relating to safety issues. Providing domain-specific solutions to various technical challenges, this handbook serves as a reliable, complete, and well-documented source of information on automotive embedded systems.

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### **A MANUAL OF PARLIAMENTARY PRACTICE**

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### **COMPOSED ORIGINALLY FOR THE USE OF THE SENATE OF THE UNITED STATES**

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### **ATLAS OF CARDIAC CATHETERIZATION FOR CONGENITAL HEART DISEASE**

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*Springer* This atlas depicts and describes catheter-based interventions across the entire pediatric age range, from fetal life through to early adulthood, with the aim of providing an illustrated step-by-step guide that will help the reader to master these techniques and apply them in everyday practice. Clear instruction is offered on a wide range of procedures, including vascular access, fetal interventions, valve dilatation, angioplasty, stent implantation, defect closure, defect creation, valve implantation, hybrid approaches, and other miscellaneous procedures. The atlas complements the previously published handbook, *Cardiac Catheterization for Congenital Heart Disease*, by presenting a wealth of photographs, images, and drawings selected or designed to facilitate the planning, performance, and evaluation of diagnostic and interventional procedures in the field of congenital heart disease. It will assist in the safe, efficient performance of these procedures, in decision making, and in the recognition and treatment of complications.

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### **THE AUTOMOTIVE TRANSMISSION BOOK**

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*Springer* This book presents essential information on systems and interactions in automotive transmission technology and outlines the methodologies used to analyze and develop transmission concepts and designs. Functions of and interactions between components and subassemblies of transmissions are introduced, providing a basis for designing transmission systems and for determining their potentials and properties in vehicle-specific applications: passenger cars, trucks, buses, tractors and motorcycles. With these fundamentals the presentation provides universal resources for both state-of-the-art and future transmission technologies, including systems for electric and hybrid electric vehicles.

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### **THE MARINE ELECTRICAL AND ELECTRONICS BIBLE**

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*Sheridan House, Inc.* More and more sailors and powerboaters are buying and relying on electronic and electric devices aboard their boats, but few are aware of proper installation procedures or how to safely troubleshoot these devices if they go on the blink.

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**FEDERAL REGISTER**

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**BOSCH AUTOMOTIVE ELECTRICS AND AUTOMOTIVE ELECTRONICS**

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**SYSTEMS AND COMPONENTS, NETWORKING AND HYBRID DRIVE**

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*Springer Science & Business Media* This is a complete reference guide to automotive electrics and electronics. This new edition of the definitive reference for automotive engineers, compiled by one of the world's largest automotive equipment suppliers, includes new and updated material. As in previous editions different topics are covered in a concise but descriptive way backed up by diagrams, graphs, photographs and tables enabling the reader to better comprehend the subject. This fifth edition revises the classical topics of the vehicle electrical systems such as system architecture, control, components and sensors. There is now greater detail on electronics and their application in the motor vehicle, including electrical energy management (EEM) and discusses the topic of inter system networking within the vehicle. It also includes a description of the concept of hybrid drive a topic that is particularly current due to its ability to reduce fuel consumption and therefore CO2 emissions. This book will benefit automotive engineers and design engineers, automotive technicians in training and mechanics and technicians in garages. It may also be of interest to teachers/ lecturers and students at vocational colleges, and enthusiasts.

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**POTENTIAL FAILURE MODE AND EFFECTS ANALYSIS (FMEA)**

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**REFERENCE MANUAL**

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**DAYWATER**

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**AN ADAPTIVE DECISION SUPPORT SYSTEM FOR URBAN STORMWATER MANAGEMENT**

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*IWA Publishing* The European DayWater project has developed a prototype of an Adaptive Decision Support System (ADSS) related to urban stormwater pollution source control. The DayWater ADSS greatly facilitates decision-making for stormwater source control, which is currently impeded by the large number of stakeholders involved and by the necessary multidisciplinary knowledge. This book presents the results of this project, providing new insights into both technical and management issues. The main objectives of its technical chapters are pollution source control modelling, risk and impact assessment, and evaluation and comparison of best management practices. It also covers management aspects, such as the analysis of the decision-making processes in stormwater source control, at a European scale, and stormwater management strategies in general. The combination of scientific-technical and socio-managerial knowledge, with the strong cooperation of numerous end-users, reflects the innovative character of this book which includes actual applications of the ADSS prototype in significant case studies. DayWater: an Adaptive Decision Support System for Urban Stormwater Management contains 26 chapters collectively prepared by DayWater scientific partners and end-users associated with this European Research and Development project. It includes: A general presentation of the DayWater Adaptive Decision Support System (ADSS) structure and operation modes A detailed description of the major components of this ADSS prototype The assessment of its components in significant case studies in France, Germany and Sweden The proceedings of the International Conference on Decision Support Systems for Integrated Urban Water Management, held in Paris on 3-4 November 2005. The book presents the ADSS prototype including a combination of freely accessible on-line databases, guidance documents, "road maps" and modelling or multi-criteria analysis tools. As demonstrated in several significant case studies the challenge for stormwater managers is to make the benefits of urban stormwater management visible to society, resulting in active co-operation of a diversity of stakeholders. Only then, will sustainable management succeed. DayWater: an Adaptive Decision Support System for Urban Stormwater Management advances this cause of sustainable urban management through Urban stormwater management, and makes achievable (by means of risk and vulnerability tools which are included) the goal of integrated urban water management (IUWM).

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**88 INSTRUMENTS**

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*Knopf Books for Young Readers* "The rhythmic, onomatopoeic text dances across exuberant watercolors with lots of movement. This celebration of a child's agency in choosing a means of artistic expression strikes just the right note." --Kirkus "A delightful offering for reading aloud, especially during music-themed storytimes." --School Library Journal From New York Times bestselling author Chris Barton and new illustrator Louis Thomas comes a fun, rhythmic picture book about finding the music that is perfect for you! A boy who loves to make noise gets to pick only one instrument (at his parents urging) in a music store, but there is too much to choose from! There's triangles and sousaphones! There's guitars and

harpsichords! Bagpipes and cellos and trombones! How can he find the one that is just right for him out of all those options?

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## **DEFENDER: DATA AND MAINTENANCE, ENGINE AND ENGINE SYSTEMS. VOL 2. TRANSMISSION, CHASSIS AND BODY, AIR CONDITIONING AND ELECTRICAL EQUIPMENT**

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### **THE NATURE OF PURCHASING**

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#### **INSIGHTS FROM RESEARCH AND PRACTICE**

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*Springer Nature* This book was created in the spirit of learning from nature in the field of professional purchasing. It describes real-world purchasing problems faced by companies as well as individuals and presents natural hands-on solutions that apply scientific approaches. The book answers what the core of purchasing could be, the inner structure of it or in other words the natural way. Nature masters effectiveness based on immanent laws and ensures efficiency by best results for minimal invest. Especially in complex and ambiguous situations, purchasers benefit from this book by understanding the broader context with the help of recent scientific research. Focusing on the problems that purchasers face in managerial practice rather than oversimplified generalizations, the book features step-by-step explanations, allowing readers to find tailored solutions to address challenges in key purchasing areas. The book was written in collaboration and with the help of experts in purchasing and logistics, biology, law and economics, human resource development, media and sports, and merges perspectives from theory and practice to provide natural strategies for purchasers.

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### **RENEWABLE ENERGY**

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#### **RESOURCES, CHALLENGES AND APPLICATIONS**

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*BoD - Books on Demand* The demand for secure, affordable and clean energy is a priority call to humanity. Challenges associated with conventional energy resources, such as depletion of fossil fuels, high costs and associated greenhouse gas emissions, have stimulated interests in renewable energy resources. For instance, there have been clear gaps and rushed thoughts about replacing fossil-fuel driven engines with electric vehicles without long-term plans for energy security and recycling approaches. This book aims to provide a clear vision to scientists, industrialists and policy makers on renewable energy resources, predicted challenges and emerging applications. It can be used to help produce new technologies for sustainable, connected and harvested energy. A clear response to economic growth and clean environment demands is also illustrated.

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### **AUTOMOBILE ELECTRICAL AND ELECTRONIC SYSTEMS**

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*Routledge* 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.

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### **AUTOMOTIVE TRANSMISSIONS**

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#### **FUNDAMENTALS, SELECTION, DESIGN AND APPLICATION**

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*Springer Science & Business Media* This book gives a full account of the development process for automotive transmissions. Main topics: - Overview of the traffic - vehicle - transmission system - Mediating the power flow in vehicles - Selecting the ratios - Vehicle transmission systems - basic design principles - Typical designs of vehicle transmissions - Layout and design of important components, e.g. gearshifting mechanisms, moving-off elements, pumps, retarders - Transmission control units - Product development process, Manufacturing technology of vehicle transmissions, Reliability and testing The book covers manual, automated manual and automatic transmissions as well as continuously variable transmissions and hybrid drives for passenger cars and commercial vehicles. Furthermore, final drives, power take-offs and transfer gearboxes for 4-WD-vehicles are considered. Since the release

of the first edition in 1999 there have been a lot of changes in the field of vehicles and transmissions. About 40% of the second edition's content is new or revised with new data.

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## **AUTOMOTIVE AIR CONDITIONING AND CLIMATE CONTROL SYSTEMS**

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*Elsevier 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 CO<sub>2</sub>, 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 CO<sub>2</sub> 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

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## **INFRASTRUCTURE AND SAFETY IN A COLLABORATIVE WORLD**

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### **ROAD TRAFFIC SAFETY**

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*Springer Science & Business Media* The book investigates how, and which, forgiving road environments (FOR) and self-explaining road measures (SER) will contribute to increasing road safety and also increase network efficiency on the road. It presents both the general approach and the methodology for generating the possible FOR and SER measures. The book further discusses the prioritization and the testing methodologies, as well as the designing VMS methodology. The next parts of the book present a few important examples: lane departure warning systems; intelligent speed adaptation systems and perception enhancement studies; designs of European pictorial signs, e.g. for VMS but also examples of designs of European road wordings; and finally how personalization can take place of VMS signs and wordings for the individual driver. The last part shows the final evaluation of FOR and SER, and detailed Multiple Criterion Analysis and Cost Benefit Analyses are performed on a number of FOR and SER measures. This results in the development of a set of guidelines, conclusions and recommendations for the future.

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## **SUPPLY CHAIN PERSPECTIVES AND ISSUES**

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### **A LITERATURE REVIEW**

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Global value chains (GVCs) have been a feature of the international economic architecture for many years, but scholarly interest in the phenomenon is more recent. Today that interest is intense, emanating from an array of academic disciplines as well as from the policy world. The literature that attempts to understand and explain GVCs is vast, multidisciplinary and no less complex than the phenomenon itself. This volume, jointly produced by the Fung Global Institute and the World Trade Organization, is an attempt to capture the core features and themes of the exploding literature on GVCs. Contents Part I. Supply Chain Perspectives 1. Supply chains in the economics literature 2. Supply chains in the business literature Part II. Supply Chain Issues 3. Supply chains and offshoring 4. Supply chains, upgrading and development 5. Supply chains and risk 6. Supply chains and SMEs 7. Supply chains and services 8. Supply chains and trade in value-added 9. Supply chains and business models 10. Supply chains and sustainability 11. Supply chains and trade policy 12. Supply chains and trade finance

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## **GLOBAL VALUE CHAINS IN A CHANGING WORLD**

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A collection of papers by some of the world's leading specialists on global value chains (GVCs). It examines how GVCs have evolved and the challenges they face in a rapidly changing world. The approach is multi-disciplinary, with contributions from economists, political scientists, supply chain management specialists, practitioners and policy-makers. Co-published with the Fung Global Institute and the Temasek

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## **CHINA'S INFLUENCE AND AMERICAN INTERESTS**

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## PROMOTING CONSTRUCTIVE VIGILANCE

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*Hoover Press* While Americans are generally aware of China's ambitions as a global economic and military superpower, few understand just how deeply and assertively that country has already sought to influence American society. As the authors of this volume write, it is time for a wake-up call. In documenting the extent of Beijing's expanding influence operations inside the United States, they aim to raise awareness of China's efforts to penetrate and sway a range of American institutions: state and local governments, academic institutions, think tanks, media, and businesses. And they highlight other aspects of the propagandistic "discourse war" waged by the Chinese government and Communist Party leaders that are less expected and more alarming, such as their view of Chinese Americans as members of a worldwide Chinese diaspora that owes undefined allegiance to the so-called Motherland. Featuring ideas and policy proposals from leading China specialists, *China's Influence and American Interests* argues that a successful future relationship requires a rebalancing toward greater transparency, reciprocity, and fairness. Throughout, the authors also strongly state the importance of avoiding casting aspersions on Chinese and on Chinese Americans, who constitute a vital portion of American society. But if the United States is to fare well in this increasingly adversarial relationship with China, Americans must have a far better sense of that country's ambitions and methods than they do now.

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## TRANSPORTATION ENERGY DATA BOOK

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### PROCEEDINGS OF THE 19TH ASIA PACIFIC AUTOMOTIVE ENGINEERING CONFERENCE & SAE-CHINA CONGRESS 2017: SELECTED PAPERS

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*Springer* This Proceedings volume gathers outstanding papers submitted to the 19th Asia Pacific Automotive Engineering Conference & 2017 SAE-China Congress, the majority of which are from China - the largest car-maker as well as most dynamic car market in the world. The book covers a wide range of automotive topics, presenting the latest technical advances and approaches to help technicians solve the practical problems that most affect their daily work.

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## LIGHT SCATTERING BY ICE CRYSTALS

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### FUNDAMENTALS AND APPLICATIONS

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*Cambridge University Press* This volume outlines the fundamentals and applications of light scattering, absorption and polarization processes involving ice crystals.

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## PRODUCT LIFECYCLE MANAGEMENT FOR DIGITAL TRANSFORMATION OF INDUSTRIES

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### 13TH IFIP WG 5.1 INTERNATIONAL CONFERENCE, PLM 2016, COLUMBIA, SC, USA, JULY 11-13, 2016, REVISED SELECTED PAPERS

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*Springer* This book constitutes the refereed proceedings of the 13th IFIP WG 5.1 International Conference on Product Lifecycle Management, PLM 2016, held in Columbia, SC, USA, in July 2016. The 57 revised full papers presented were carefully reviewed and selected from 77 submissions. The papers are organized in the following topical sections: knowledge sharing, re-use and preservation; collaborative development architectures; interoperability and systems integration; lean product development and the role of PLM; PLM and innovation; PLM tools; cloud computing and PLM tools; traceability and performance; building information modeling; big data analytics and business intelligence; information lifecycle management; industry 4.0; metrics, standards and regulation; and product, service and systems.

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## THE RADICAL INNOVATION PLAYBOOK

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### A PRACTICAL GUIDE FOR HARNESSING NEW, NOVEL OR GAME-CHANGING BREAKTHROUGHS

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*Walter de Gruyter GmbH & Co KG* The Radical Innovation Playbook is a practical guide that helps innovators and entrepreneurs to harness new, extreme ideas despite complex business barriers along the way. Designed to be easy-to-use The Radical Innovation Playbook provides insight, practical solutions and reusable canvasses to help innovation managers, CEOs, Chief Innovators and directors of innovation labs to develop breakthrough ideas. In this playbook you will learn how to: Make vital decisions about how to plan and share your radical ideas Collect and analyse information to influence and convince others Engage with peers and stakeholders about your innovation project Challenge established company norms and business models Discover, explore and secure investment Gain confidence and skills for a successful launch Reach new markets and commercial channels Build a

structure within an organisation that enables innovation to grow Inspire and support future generations to make an impact and achieve success Read **The Radical Innovation Playbook** and discover how to successfully unleash and develop your breakthrough moment. Olga Kokshagina, RMIT University, Melbourne, Australia Allen Alexander, University of Exeter, UK

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## **THE CROWDSOURCERESS**

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### **GET SMART, GET FUNDED, AND KICKSTART YOUR NEXT BIG IDEA**

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*PublicAffairs* "Neil Young's Pono campaign was the third most successful hardware campaign of all time, and Alex deserves much of the credit, second only to Neil, of course. The Crowdsourcess will give you everything you need to make your campaign a success." --Phil Baker, COO, Pono "Owning The Crowdsourcess is like having Alex Daly's 'special sauce' right at your fingertips."--Jesse Reed, cofounder, Standards Manual In recent years, the crowdfunding industry has generated several billions in funding. But the harsh reality is that around 60 percent of Kickstarter campaigns fail. Enter Alex Daly, a crowdfunding expert who has raised over \$20 million for her clients' campaigns. She has run some of Kickstarter's biggest projects-TLC's newest album, Neil Young's audio player, and Joan Didion's documentary. In this book, Daly takes readers deep inside her most successful campaigns, showing you how to Get fans and influencers excited about your launch Build an appealing and powerfully designed campaign Access proven video tips, pitching tactics, press releases, and rewards ideas Avoid the most common headaches and pitfalls Here you'll get tangible tools to run your own crowdfunding campaigns and fully connect with the crowd, get people to pay attention, and inspire them to act.

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## **INTEGRATED ENVIRONMENTAL MODELLING FRAMEWORK FOR CUMULATIVE EFFECTS ASSESSMENT**

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*Lcr Publishing Services* Global warming and population growth have resulted in an increase in the intensity of natural and anthropogenic stressors. Investigating the complex nature of environmental problems requires the integration of different environmental processes across major components of the environment, including water, climate, ecology, air, and land. Cumulative effects assessment (CEA) not only includes analyzing and modeling environmental changes, but also supports planning alternatives that promote environmental monitoring and management. Disjointed and narrowly focused environmental management approaches have proved dissatisfactory. The adoption of integrated modelling approaches has sparked interests in the development of frameworks which may be used to investigate the processes of individual environmental component and the ways they interact with each other. Integrated modelling systems and frameworks are often the only way to take into account the important environmental processes and interactions, relevant spatial and temporal scales, and feedback mechanisms of complex systems for CEA. This book examines the ways in which interactions and relationships between environmental components are understood, paying special attention to climate, land, water quantity and quality, and both anthropogenic and natural stressors. It reviews modelling approaches for each component and reviews existing integrated modelling systems for CEA. Finally, it proposes an integrated modelling framework and provides perspectives on future research avenues for cumulative effects assessment.

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## **THE BASICS OF AMERICAN GOVERNMENT**

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*University of North Georgia* **The Basics of American Government** is a collaborative effort among eight current and one former faculty members in the Departments of Political Science and Criminal Justice at University of North Georgia. The purpose of this book is to offer a no-frills, low-cost, yet comprehensive overview of the American political system for students taking introductory courses in American national government. Furthermore, the work combines the best aspects of both a traditional textbook and a reader in that most chapters offer a piece of original scholarship as a case study to bolster or reinforce the material presented in the chapter. In addition, many chapters present a civic engagement-type exercise and discussion questions intended to challenge, engage, and foster student participation in the political system. The authors undertook this project for several reasons, most notably the high costs of textbooks for students and the lack of college-level scholarship found in most American Government texts. This 375-page, peer-reviewed, edited book that combines traditional material with original scholarship will cost students \$27.99, well below market standards. All of the authors are experienced classroom instructors, subject matter experts, and published researchers in the field of American politics.

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## **LIGHT ALLOYS**

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## **DIRECTORY AND DATABOOK**

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*Springer Science & Business Media* **Light Alloys Directory and Databook** is a world-wide directory of the properties and suppliers of light alloys used in, or proposed for, numerous engineering applications. Alloys covered will include aluminium alloys, magnesium alloys, titanium alloys, beryllium. For the metals considered each section will consist of: a short introduction; a table comparing basic data and a series of comparison sheets. The book will adopt standardised data in order to help the reader in finding and comparing different materials and identifying the required information. All comparison sheets are cross-referenced, so that the user will be able to locate data on a specific product or compare properties easily. The book is designed to complement the existing publications on high performance materials.

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## **DEFORMATION AND FRACTURE BEHAVIOUR OF POLYMER MATERIALS**

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*Springer* This book covers the most recent advances in the deformation and fracture behaviour of polymer material. It provides deeper insight into related morphology-property correlations of thermoplastics, elastomers and polymer resins. Each chapter of this book gives a comprehensive review of state-of-the-art methods of materials testing and diagnostics, tailored for plastic pipes, films and adhesive systems as well as elastomeric components and others. The investigation of deformation and fracture behaviour using the experimental methods of fracture mechanics has been the subject of intense research during the last decade. In a systematic manner, modern aspects of fracture mechanics in the industrial application of polymers for bridging basic research and industrial development are illustrated by multifarious examples of innovative materials usage. This book will be of value to scientists, engineers and in polymer materials science.

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## **AUTOMOBILE MECHANICAL AND ELECTRICAL SYSTEMS**

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*Routledge* 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](http://www.automotive-technology.org)), this is the guide no student enrolled on an automotive maintenance and repair course should be without.

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## **AGROBIODIVERSITY, SCHOOL GARDENS AND HEALTHY DIETS**

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## **PROMOTING BIODIVERSITY, FOOD AND SUSTAINABLE NUTRITION**

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*Routledge* This book critically assesses the role of agrobiodiversity in school gardens and its contribution to diversifying diets, promoting healthy eating habits and improving nutrition among schoolchildren as well as other benefits relating to climate change adaptation, ecoliteracy and greening school spaces. Many schoolchildren suffer from various forms of malnutrition and it is important to address their nutritional status given the effects it has on their health, cognition, and subsequently their educational achievement. Schools are recognized as excellent platforms for promoting lifelong healthy eating and improving long-term, sustainable nutrition security required for optimum educational outcomes. This book reveals the multiple benefits of school gardens for improving nutrition and education for children and their families. It examines issues such as school feeding, community food production, school gardening, nutritional education and the promotion of agrobiodiversity, and draws on international case studies, from both developed and developing nations, to provide a comprehensive global assessment. This book will be essential reading for those interested in promoting agrobiodiversity, sustainable nutrition and healthy eating habits in schools and public institutions more generally. It identifies recurring and emerging issues, establishes best practices, identifies key criteria for success and advises on strategies for scaling up and scaling out elements to improve the uptake of school gardens.

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## **ADVANCED HYBRID AND ELECTRIC VEHICLES**

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## **SYSTEM OPTIMIZATION AND VEHICLE INTEGRATION**

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*Springer* This contributed volume contains the results of the research program "Agreement for Hybrid and Electric Vehicles", developed in the framework of the Energy Technology

Network of the International Energy Agency. The topical focus lies on technology options for the system optimization of hybrid and electric vehicle components and drive train configurations which enhance the energy efficiency of the vehicle. The approach to the topic is genuinely interdisciplinary, covering insights from fields. The target audience primarily comprises researchers and industry experts in the field of automotive engineering, but the book may also be beneficial for graduate students.

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## **ACADEMIC LEGAL WRITING**

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### **LAW REVIEW ARTICLES, STUDENT NOTES, SEMINAR PAPERS, AND GETTING ON LAW REVIEW**

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Designed to help law students write and publish articles, Academic Legal Writing provides detailed instructions for every aspect of the law school writing, research, and publication process. Topics covered include law review articles and student notes, seminar term papers, how to shift from research to writing, cite-checking others work, publishing, and publicizing written works. With supporting documents available on <http://volokh.com/writing>, the book helps law students and everyone else involved in academic legal writing: professors save time and effort communicating basic points to students; law schools satisfy the American Bar Associations second- and third-year writing requirements; and law reviews receive better notes from their staff.

**Summary of Contents** Chapters I. Law Review Articles and Student Notes: The Basics A. The Initial Step: Choosing a Claim B. Organizing the Article C. Turning Practical Work into Articles D. Budgeting Your Time E. Deciding What to Set Aside F. Choosing a Title G. Summary II. Seminar Term Papers: The Basics A. Introduction: Comparing Seminar Term Papers and Academic Articles B. Figuring out What Your Instructor Expects C. Finding a Topic D. Budgeting Your Time E. Turning the Paper into a Publishable Article III. Research A. Identifying Sample Cases and Incidents B. Understanding the Law C. Knowing When to Start Writing IV. Writing A. There Are No Lazy Readers-Only Busy Readers B. Go Through Many Drafts C. If You See No Red Marks on a Paragraph, Go over It Again D. If You Need to Reread Something to Understand It, Rewrite It E. Read the Draft With "New Eyes" F. Finish the First Draft Quickly/Defeat Writer's Block by Skipping Around G. React Effectively to Editing Suggestions H. Use Subsection Headings I. Use a Table of Contents J. Note Down All Your Ideas K. Things to Look for: Logic L. Things to Look for: Writing M. Proofreading N. Editing: Two Exercises V. Using Evidence Correctly A. Read, Quote, and Cite the Original Source B. Check the Studies on Which You Rely C. Compromise Wisely D. Be Careful with the Terms You Use E. Try to Avoid Foreseeable Misunderstandings F. Understand Your Source G. Handle Survey Evidence Correctly H. Be Explicit About Your Assumptions I. Make Sure Your Comparisons Make Sense J. A Source-Checking Exercise K. Summary VI. Cite-Checking Others' Articles A. Recommendations for Cite-Checkers B. Recommendations for Law Review Editors VII. Publishing and Publicizing A. Consider Publishing Outside Your School B. Working with Law Journal Editors C. Publicizing the Article Before It's Published D. Publicizing the Published Article E. Planning the Next Article VIII. Entering Writing Competitions A. Why You Should Do This B. Competitions That Don't Offer Publication C. Competitions That Guarantee Publication D. Competitions That Offer a Chance for Publication E. Competitions That Solicit Published Pieces F. Competitions That Solicit Unpublished Pieces IX. Getting On Law Review A. What Is a Law Review B. Why Be on a Law Review? C. Which Law Review? D. "Making Law Review" E. Writing On: Background F. Writing On: A Timeline for After You Start G. Special Suggestions for Case Notes H. The Personal Statement X. Academic Ethics A. Avoiding Plagiarism B. Being Candid C. Being Fair and Polite to Your Adversaries D. Being Fair to the Law Review Editors Who Publish Your Article E. Preserving Confidentiality F. Treating Sources Fairly G. Making Data Available "Conclusion" Appendixes I. Clumsy Words and Phrases A. Needless Formal Words B. Circumlocutions C. Redundancies II. Answers to Exercises A. Editing Exercise B. Understanding Your Source C. USA Today Survey Report D. Drunk Driving Study E. Source-Checking Exercise III. Sample Cover Letters A. For Sending an Article to Law Reviews B. For Sending a Reprint to Potential Readers C. For Sending a Reprint to Potential Readers on Whose Work You Substantially Rely

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