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Automotive Technology Principles, Diagnosis, and Service Prentice Hall *Automotive Technology: Principles, Diagnosis, and Service, Fourth Edition, meets the needs for a comprehensive book that covers all eight areas of automotive service, plus the soft skills and tool knowledge that must also be taught. Because many automotive systems are intertwined, presenting all systems together in one text makes it easier for the student to see how they are all connected. Topics are divided into 133 short chapters, which makes it easier for instructors and students to learn and master the content.* **Automotive Brake Systems** *For courses in Automotive Brake Systems or Chassis Systems in colleges or proprietary schools. Unlike other books which seem to offer little more than service manual material Automotive Brake Systems reflects Halderman's real world experience. It offers complete coverage of the parts, operation, design, and troubleshooting of brake systems, and answers the "why's" along with the "how's."* **Advanced Automotive Electricity and Electronics Prentice Hall** *For courses in Advanced Automotive Electricity and Electronics. Advanced Automotive Electricity and Electronics is specifically designed for the second semester of an automotive electrical systems course. The first 12 chapters offer solid review of foundational automotive electronics service and repair procedures, with the subsequent 17 chapters covering advanced topics, such as chassis systems, HVAC, and hybrid electric vehicles. The text's short chapters focus on a specific system or topic, making it easier for instructors to assign reading and easier for students to master the material.* **Automotive Chassis Systems Pearson New International Edition Pearson Higher Ed** *For courses in Automotive Steering, Suspension, and Brakes; Automotive Chassis Systems; and Undervehicle (Under-Car) Service Workshops. Automotive Chassis System, 6e is organized around the ASE automobile test content area for Brakes (A5) and Suspension and Steering (A4). Featuring complete coverage of parts, operation, design, and troubleshooting techniques, it correlates material to task lists specified by ASE and NATEF and emphasizes a diagnostic approach throughout. Chapter features include Tech Tips, Diagnostic Stories, High-Performance Tips, Frequently Asked Questions and more.* **The Complete Book of Ford Mustang Every Model Since 1964-1/2 Complete Book** *The Complete Book of Ford Mustang, 4th Edition details the development, technical specifications, and history of America's original pony car, now updated to cover cars through the 2021 model year.* **Automotive Engines Theory and Servicing Prentice Hall** *This comprehensive volume covers all aspects of engine repair including engine machining, as well as sub systems such as ignition and fuel injection. The book is written to correlate to the content needed for the ASE Technician Certification test and the NATCF task list, and provides a major emphasis on diagnosis and why operations are performed. Tech Tips and Diagnostic stories provide real world applications. The volume includes a multimedia CD ROM with fully illustrated PowerPoint slides and a workbook with correlated activities. KEY TOPICS: The volume covers all aspects of servicing engines including tools, fasteners, and safety, environmental and health issues, engine operation and identification, lubrication system operation and diagnosis, cooling system operation and diagnosis, fuel and emission system operation and diagnosis, starting and charging system operation and diagnosis, ignition system operation and diagnosis, engine condition diagnosis, engine removal, disassembly and cleaning, intake and exhaust manifolds, valve and seat service, engine block construction and service and pistons, rings, and connecting rods, crankshafts and bearings. MARKET: For those interested in a comprehensive treatment of automotive engines.* **Automotive Electricity and Electronics Jones & Bartlett Learning** *Suitable for students with no experience in electricity and electronics, this volume in the CDX Master Automotive Technician Series introduces students to the basic skills and tools they need to perform electrical diagnosis in the shop. Utilizing a "strategy-based diagnostics" approach, this book helps students master technical trouble-shooting in order to properly resolve the customer concern on the first attempt.* **Introduction to Automotive Service** *ALERT: Before you purchase, check with your instructor or review your course syllabus to ensure that you select the correct ISBN. Several versions of Pearson's MyLab & Mastering products exist for each title, including customized versions for individual schools, and registrations are not transferable. In addition, you may need a CourseID, provided by your instructor, to register for and use Pearson's MyLab & Mastering products. Packages Access codes for Pearson's MyLab & Mastering products may not be included when purchasing or renting from companies other than Pearson; check with the seller before completing your purchase. Used or rental books If you rent or purchase a used book with an access code, the access code may have been redeemed previously and you may have to purchase a new access code. Access codes Access codes that are purchased from sellers other than Pearson carry a higher risk of being either the wrong ISBN or a previously redeemed code. Check with the seller prior to purchase. -- Introduction to Automotive Service covers all eight areas of automotive service, plus the soft skills and tool knowledge that you must know when seeking entry-level employment. The text presents all systems together, making it easier for you to see how automotive systems are intertwined and connected. The text's 40 short chapters divide the content into individual topics to make it easier for you to learn and master the material. Offering a solid foundation in the basics, this text uniquely addresses simple inspection and service procedures without being overwhelming.* **Advanced Engine Performance Diagnosis** *Based on the premise that simple problems should always be checked first, this practical, hands-on book/CD-ROM/ worktext package introduces the diagnosis and troubleshooting of automotive engine control systems. It serves users as a single source for information on digital storage oscilloscopes, fuel injection and ignition system diagnoses, five-gas exhaust analysis, emission testing, and more -- with a very technical but easy-to-read and understand presentation. Specific chapter topics cover the diagnostic process; diagnostic trouble code retrieval; technical service bulletins and scan tool data; digital multimeters and digital storage oscilloscopes; advanced starting and charging systems diagnosis; ignition system diagnosis; engine fuels and driveability diagnosis; advanced computer sensor diagnosis; computerized carburetor diagnosis; advanced electronic fuel-injection diagnosis; emission control device diagnosis; five-gas exhaust analysis; engine condition diagnosis; and symptom-based diagnosis.* **Automotive Technology Principles, Diagnosis, and Service Prentice Hall** *NOTE: You are purchasing a standalone product; MyAutomotiveLab does not come packaged with this content. If you would like to purchase both the physical text and MyAutomotiveLab search for ISBN-10: 0134009088 / ISBN-13: 9780134009087. That package includes ISBN-10: 0133994619 / ISBN-13: 9780133994612 and ISBN-10: 0133995542/ISBN-13: 9780133995541. MyAutomotiveLab should only be purchased when required by an instructor. This title is intended for courses in Automotive Principles, Service, and/or Mechanics in technical trade schools and high schools. It also serves as an additional resource to prep for ASE certification, and as a useful reference for practicing professionals. Prepare tomorrow's automotive professionals for success Automotive Technology: Principles, Diagnosis, and Service, Fifth Edition covers all eight areas of automotive service, showing readers how automotive systems are connected, as well as the practical skills that students must master to be successful in the industry. Topics are divided into short chapters, which makes it easier to assign, learn, and master the content. Formatted to appeal to today's technical trade students, Halderman uses helpful tips and visuals to bring concepts to life and guide students through the procedures they'll use on the job. To keep your course current, all of the content is correlated to the latest NATEF tasks and ASE areas, and information on hot topics like electric and hybrid vehicles is included. Also available with MyAutomotiveLab This title is also available with MyAutomotiveLab-an online homework, tutorial, and assessment program designed to work with Automotive Technology to engage students and improve results. We've improved MyAutomotiveLab to better reflect the way instructors teach today. Now organized by ASE area, the new, easier-to-use design makes creating and personalizing assignments more intuitive and includes a new assignment calendar, which helps you document your students' progress.* **Security in Computing Pearson Education India Automotive Electricity and Electronics Pearson Higher Ed** *This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Automotive Electricity and Electronics, Fourth Edition, provides complete coverage of the parts, operation, design, and troubleshooting of automotive electricity and electronics systems. Real examples and full color images throughout the text offer readers a practical approach to the diagnosis and repair of the Automotive Electricity/Electronic Systems (A6) content area. Thoroughly revised and updated, the fourth edition has been peer reviewed by automotive instructors and experts in the field to ensure technical accuracy. This text is fully integrated with MyAutomotiveKit–an online resource for instructors and students that provides time-saving help for homework, quizzing, testing, multimedia activities, and videos. For more information: http://www.myautomotivekit.com.* **Shock Waves Managing the Impacts of Climate Change on Poverty World Bank Publications** *Ending poverty and stabilizing climate change will be two unprecedented global achievements and two major steps toward sustainable development. But the two objectives can be considered in isolation: they need to be jointly tackled through an integrated strategy. This report brings together these two objectives and explores how they can more easily be achieved if considered together. It examines the potential impact of climate change and climate policies on poverty reduction. It also provides guidance on how to create a "win-win? situation so that climate change policies contribute to poverty reduction and poverty-reduction policies contribute to climate change mitigation and resilience building. The key finding of the report is that climate change represents a significant obstacle to the sustained eradication of poverty, but future impacts on poverty are determined by policy choices: rapid, inclusive, and climate-informed development can prevent most short-term impacts whereas immediate pro-poor, emissions-reduction policies can drastically limit long-term ones.* **Automotive Maintenance & Light Repair Cengage Learning** *AUTOMOTIVE MAINTENANCE AND LIGHT REPAIR (AM&LR) was designed to meet the needs of automotive programs that teach to the competencies specified in NATEF's Maintenance & Light Repair (MLR) program standard. Designed for entry-level students, the primary features of AM&LR are the focus on the foundational principles and knowledge for the MLR tasks, and the activities to supplement student learning. In addition, Automotive Maintenance and Light Repair is written to engage students not just in automotive competencies, but also in applied academic skills and lifelong learning skills, including math, science, and communication. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.* **Information Systems Security and Privacy 5th International Conference, ICISSP 2019, Prague, Czech Republic, February 23-25, 2019, Revised Selected Papers Springer Nature** *This book constitutes the revised selected papers of the 5th International Conference on Information Systems Security and Privacy, ICISSP 2019, held in Prague, Czech Republic, in February 2019. The 19 full papers presented were carefully reviewed and selected from a total of 100 submissions. The papers presented in this volume address various topical research, including new approaches for attack modelling andprevention, incident management and response, and user authentication andaccess control, as well as business and human-oriented aspects such as data pro-tection and privacy, and security awareness.* **Automotive Engines: Theory and Servicing, 5/e (With CD) Pearson Education India Manual Drivetrains and Axles Prentice Hall** *For courses in Automotive Manual Drivetrains. Ideal for both novice and advanced technicians, Manual Drivetrains and Axles, Seventh Edition, provides a complete, state-of-the-art source on the operating principles as well as the service and repair procedures for manual drivetrains and axles. Correlated to NATEF and ASE tasks, the text focuses on the generic theory that underlies the operation, diagnosis, and repair of the units and subassemblies found in the many makes and types of vehicles students will likely encounter on the job. Formatted to better meet the learning needs of today's technical trade students, it visually supports concepts covered throughout, and includes many practical shop tips that guide students through important problem-solving procedures they'll use on the job.* **Automotive Electrical and Engine Performance Prentice Hall** *Prepare tomorrow's automotive professionals for success. Automotive Electrical and Engine Performance covers content and topics specified for both Electrical/Electronic System (A6) and Engine Performance (A8) by ASE/NATEF, as well as the practical skills that technicians must master to be successful in the industry. Tomorrow's automotive professionals get a firm background in the principles and practices of diagnosing and troubleshooting automotive electrical, electronic, and computer systems in a clear, concise format at a level of detail that far exceeds most other texts in the area. Formatted to appeal to today's technical trade students--and ideal as a reference and resource for today's automotive technicians--Halderman's text uses helpful tips and visuals*

to bring concepts to life and guide readers through actual, on-the-job procedures. To ensure that readers are current, all of the content has been updated to correlate to the latest NATEF tasks and ASE areas; many new full-color line drawings and photos have been added; a new chapter covers gasoline direct injection (GDI) systems; and new, updated, or expanded information has been included on OSHA hazardous chemical labeling requirements; electrical circuits; GM low-speed GMLAN; fuel pump diagnosis; fuel injection diagnosis; OBDII diagnosis; permanent (Mode $0A) diagnostic trouble codes; and electric vehicle (EV) and plug-in hybrid electric vehicle (PHEV) charging. Four new appendixes provide a sample Electrical/Electronic systems ASE-type certification test with answers; a sample A8 Engine Performance ASE-type certification test with answers; an NATEF correlation chart showing all MLR, AST, and MAST tasks for electrical/electronic systems (A6) in one chart; and an NATEF correlation chart showing all MLR, AST, and MAST tasks for engine performance (A8) in one chart. **Bootstrapping Trust in Modern Computers Springer Science & Business Media** Trusting a computer for a security-sensitive task (such as checking email or banking online) requires the user to know something about the computer's state. We examine research on securely capturing a computer's state, and consider the utility of this information both for improving security on the local computer (e.g., to convince the user that her computer is not infected with malware) and for communicating a remote computer's state (e.g., to enable the user to check that a web server will adequately protect her data). Although the recent "Trusted Computing" initiative has drawn both positive and negative attention to this area, we consider the older and broader topic of bootstrapping trust in a computer. We cover issues ranging from the wide collection of secure hardware that can serve as a foundation for trust, to the usability issues that arise when trying to convey computer state information to humans. This approach unifies disparate research efforts and highlights opportunities for additional work that can guide real-world improvements in computer security. **Introduction to Automotive Engineering John Wiley & Sons** The automotive industry is one of the largest and most important industries in the world. Cars, buses, and other engine-based vehicles abound in every country on the planet, and it is continually evolving, with electric cars, hybrids, self-driving vehicles, and so on. Technologies that were once thought to be decades away are now on our roads right now. Engineers, technicians, and managers are constantly needed in the industry, and, often, they come from other areas of engineering, such as electrical engineering, process engineering, or chemical engineering. Introductory books like this one are very useful for engineers who are new to the industry and need a tutorial. Also valuable as a textbook for students, this introductory volume not only covers the basics of automotive engineering, but also the latest trends, such as self-driving vehicles, hybrids, and electric cars. Not only useful as an introduction to the science or a textbook, it can also serve as a valuable reference for technicians and engineers alike. The volume also goes into other subjects, such as maintenance and performance. Data has always been used in every company irrespective of its domain to improve the operational efficiency and performance of engines. This work deals with details of various automotive systems with focus on designing various components of these system to suit the working conditions on roads. Whether a textbook for the student, an introduction to the industry for the newly hired engineer, or a reference for the technician or veteran engineer, this volume is the perfect introduction to the science of automotive engineering. **Scaling Up Nutrition in the Arab Republic of Egypt Investing in a Healthy Future World Bank Publications** Malnutrition is a huge burden on the Arab Republic of Egypt's economy. Undernutrition—manifested by poor linear growth (stunting), wasting, and micronutrient deficiencies in children and by anemia among women of reproductive age—collectively saps an estimated two percent of Egypt's annual gross domestic product through forgone productivity and health care costs, representing an economic hemorrhaging of billions of U.S.Â dollars per year. Adding to this challenge is the co-occurrence of overweight and obesity among children, leading to a malnutrition doubleÂ burden. Scaling Up Nutrition in the Arab Republic of Egypt aims to inform theÂ development of nutrition policy and guide nutrition investments over the coming years. It reviews Egypt's nutrition situation, theÂ interventions currently in place, and the opportunities, costs, benefits, and fiscal space implications of scaling up a set of high-impact interventions to address undernutrition. The book, a collaborative effort between the World Bank and UNICEF, is targeted at all those involved in developing and implementing nutrition interventions in Egypt and beyond. **Overshoot The Ecological Basis of Revolutionary Change University of Illinois Press** Our day-to-day experiences over the past decade have taught us that there must be limits to our tremendous appetite for energy, natural resources, and consumer goods. Even utility and oil companies now promote conservation in the face of demands for dwindling energy reserves. And for years some biologists have warned us of the direct correlation between scarcity and population growth. These scientists see an appalling future riding the tidal wave of a worldwide growth of population and technology. A calm but unflinching realist, Catton suggests that we cannot stop this wave - for we have already overshot the Earth's capacity to support so huge a load. He contradicts those scientists, engineers, and technocrats who continue to write optimistically about energy alternatives. Catton asserts that the technological panaceas proposed by those who would harvest from the seas, harness the winds, and farm the deserts are ignoring the fundamental premise that "the principals of ecology apply to all living things." These principles tell us that, within a finite system, economic expansion is not irreversible and population growth cannot continue indefinitely. If we disregard these facts, our sagging American Dream will soon shatter completely. **The Handbook of Lithium-Ion Battery Pack Design Chemistry, Components, Types and Terminology Elsevier** The Handbook of Lithium-Ion Battery Pack Design: Chemistry, Components, Types and Terminology offers to the reader a clear and concise explanation of how Li-ion batteries are designed from the perspective of a manager, sales person, product manager or entry level engineer who is not already an expert in Li-ion battery design. It will offer a layman's explanation of the history of vehicle electrification, what the various terminology means, and how to do some simple calculations that can be used in determining basic battery sizing, capacity, voltage and energy. By the end of this book the reader has a solid understanding of all of the terminology around Li-ion batteries and is able to do some simple battery calculations. The book is immensely useful to beginning and experienced engineer alike who are moving into the battery field. Li-ion batteries are one of the most unique systems in automobiles today in that they combine multiple engineering disciplines, yet most engineering programs focus on only a single engineering field. This book provides you with a reference to the history, terminology and design criteria needed to understand the Li-ion battery and to successfully lay out a new battery concept. Whether you are an electrical engineer, a mechanical engineer or a chemist this book helps you better appreciate the inter-relationships between the various battery engineering fields that are required to understand the battery as an Energy Storage System. Offers an easy explanation of battery terminology and enables better understanding of batteries, their components and the market place. Demonstrates simple battery scaling calculations in an easy to understand description of the formulas Describes clearly the various components of a Li-ion battery and their importance Explains the differences between various Li-ion cell types and chemistries and enables the determination which chemistry and cell type is appropriate for which application Outlines the differences between battery types, e.g., power vs energy battery Presents graphically different vehicle configurations: BEV, PHEV, HEV Includes brief history of vehicle electrification and its future **Automatic Transmissions and Transaxles Pearson** Automatic Transmissions and Transaxles, 7/e provides a complete, state-of-the-art source on the operating principles as well as the service and repair procedures for modern automatic transmission transaxles, complete with the practical skills that students must master to be successful in the industry. The text focuses on the generic theory underlying the operation, diagnosis, and repair of the units and subassemblies found in the many makes and types of vehicles students are likely to encounter in their work. Formatted to appeal to today's technical trade students, Halderman uses helpful tips and visuals to bring concepts to life and guide students through the procedures. This book is part of the Pearson Automotive Professional Technician Series, which provides full-color, media-integrated solutions for today's students and instructors covering all eight areas of ASE certification, plus additional titles covering common courses. Peer reviewed for technical accuracy, the series and the books in it represent the future of automotive textbooks. **Electronic Evidence Remains of the Soviet Past in Estonia An Anthropology of Forgetting, Repair and Urban Traces UCL Press** What happens to legacies that do not find any continuation? In Estonia, a new generation that does not remember the socialist era and is open to global influences has grown up. As a result, the impact of the Soviet memory in people's conventional values is losing its effective power, opening new opportunities for repair and revaluation of the past. Francisco Martinez brings together a number of sites of interest to explore the vanquishing of the Soviet legacy in Estonia: the railway bazaar in Tallinn where concepts such as 'market' and 'employment' take on distinctly different meanings from their Western use; Linnahall, a grandiose venue, whose Soviet heritage now poses diffi cult questions of how to present the building's history; Tallinn's cityscape, where the social, spatial and temporal co-evolution of the city can be viewed and debated; Narva, a city that marks the border between the Russian Federation, NATO and the European Union, and represents a place of continual negotiation of belonging; and the new Estonian National Museum in Raadi, an area on the outskirts of Tartu, that has been turned into a memory field. The anthropological study of all these places shows that national identity and historical representations can be constructed in relation to waste and disrepair too, also demonstrating how we can understand generational change in a material sense. Praise for Remains of the Soviet Past in Estonia 'By adopting the tropes of 'repair' and 'waste', this book innovatively manages to link various material registers from architecture, intergenerational relations, affect and museums with ways of making the past present. Through a rigorous yet transdisciplinary method, Martínez brings together different scales and contexts that would often be segregated out. In this respect, the ethnography unfolds a deep and nuanced analysis, providing a useful comparative and insightful account of the processes of repair and waste making in all their material, social and ontological dimensions.' Victor Buchli, Professor of Material Culture at UCL 'This book comprises an endearingly transdisciplinary ethnography of postsocialist material culture and social change in Estonia. Martínez creatively draws on a number of critical and cultural theorists, together with additional research on memory and political studies scholarship and the classics of anthropology. Grappling concurrently with time and space, the book offers a delightfully thick description of the material effects generated by the accelerated post-Soviet transformation in Estonia, inquiring into the generational specificities in experiencing and relating to the postsocialist condition through the conceptual anchors of wasted legacies and repair. This book defies disciplinary boundaries and shows how an attention to material relations and affective infrastructures might reinvigorate political theory.' Maria Mälksoo, Senior Lecturer, Brussels School of International Studies at the University of Kent **Guide to Computer Forensics and Investigations Cengage Learning** Updated with the latest advances from the field, GUIDE TO COMPUTER FORENSICS AND INVESTIGATIONS, Fifth Edition combines all-encompassing topic coverage and authoritative information from seasoned experts to deliver the most comprehensive forensics resource available. This proven author team's wide ranging areas of expertise mirror the breadth of coverage provided in the book, which focuses on techniques and practices for gathering and analyzing evidence used to solve crimes involving computers. Providing clear instruction on the tools and techniques of the trade, it introduces readers to every step of the computer forensics investigation-from lab set-up to testifying in court. It also details step-by-step guidance on how to use current forensics software. Appropriate for learners new to the field, it is also an excellent refresher and technology update for professionals in law enforcement, investigations, or computer security. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. **4th International Conference on Internet of Things and Connected Technologies (ICIoTCT), 2019 Internet of Things and Connected Technologies Springer Nature** This book presents the proceedings of the 4th International Conference on Internet of Things and Connected Technologies (ICIoTCT), held on May 9–10, 2019, at Malaviya National Institute of Technology (MNIT), Jaipur, India. The Internet of Things (IoT) promises to usher in a revolutionary, fully interconnected "smart" world, with relationships between objects and their environment and objects and people becoming more tightly intertwined. The prospect of the Internet of Things as a ubiquitous array of devices bound to the Internet could fundamentally change how people think about what it means to be "online". The ICIotCT 2019 conference provided a platform to discuss advances in Internet of Things (IoT) and connected technologies, such as various protocols and standards. It also offered participants the opportunity to interact with experts through keynote talks, paper presentations and discussions, and as such stimulated research. With the recent adoption of a variety of enabling wireless communication technologies, like RFID tags, BLE, ZigBee, embedded sensor and actuator nodes, and various protocols such as CoAP, MQTT and DNS, IoT has moved on from its infancy. Today smart sensors can collaborate directly with machines to automate decision-making or to control a task without human involvement. Further, smart technologies, including green electronics, green radios, fuzzy neural approaches, and intelligent signal processing techniques play an important role in the development of the wearable healthcare devices. **Analyzing Computer Security A Threat/vulnerability/countermeasure Approach Prentice Hall Professional** In this book, the authors of the 20-year best-selling classic Security in Computing take a fresh, contemporary, and powerfully relevant new approach to introducing computer security. Organised around attacks and mitigations, the Pfleegers' new Analyzing Computer Security will attract students' attention by building on the high-profile security failures they may have already encountered in the popular media. Each section starts with an attack description. Next, the authors explain the vulnerabilities that have allowed this attack to occur. With this foundation in place, they systematically present today's most effective countermeasures for blocking or weakening the attack. One step at a time, students progress from attack/problem/harm to solution/protection/mitigation, building the powerful real-world problem solving skills they need to succeed as information security professionals. Analyzing Computer Security addresses crucial contemporary computer security themes throughout, including effective security management and risk analysis; economics and quantitative study; privacy, ethics, and laws; and the use of overlapping controls. The authors also present significant new material on computer forensics, insiders, human factors, and trust. **File System Forensic Analysis Addison-Wesley**

Professional *The Definitive Guide to File System Analysis: Key Concepts and Hands-on Techniques Most digital evidence is stored within the computer's file system, but understanding how file systems work is one of the most technically challenging concepts for a digital investigator because there exists little documentation. Now, security expert Brian Carrier has written the definitive reference for everyone who wants to understand and be able to testify about how file system analysis is performed. Carrier begins with an overview of investigation and computer foundations and then gives an authoritative, comprehensive, and illustrated overview of contemporary volume and file systems: Crucial information for discovering hidden evidence, recovering deleted data, and validating your tools. Along the way, he describes data structures, analyzes example disk images, provides advanced investigation scenarios, and uses today's most valuable open source file system analysis tools—including tools he personally developed. Coverage includes Preserving the digital crime scene and duplicating hard disks for "dead analysis" Identifying hidden data on a disk's Host Protected Area (HPA) Reading source data: Direct versus BIOS access, dead versus live acquisition, error handling, and more Analyzing DOS, Apple, and GPT partitions; BSD disk labels; and Sun Volume Table of Contents using key concepts, data structures, and specific techniques Analyzing the contents of multiple disk volumes, such as RAID and disk spanning Analyzing FAT, NTFS, Ext2, Ext3, UFS1, and UFS2 file systems using key concepts, data structures, and specific techniques Finding evidence: File metadata, recovery of deleted files, data hiding locations, and more Using The Sleuth Kit (TSK), Autopsy Forensic Browser, and related open source tools When it comes to file system analysis, no other book offers this much detail or expertise. Whether you're a digital forensics specialist, incident response team member, law enforcement officer, corporate security specialist, or auditor, this book will become an indispensable resource for forensic investigations, no matter what analysis tools you use.* **13th International Conference on Computational Intelligence in Security for Information Systems (CISIS 2020) Springer Nature** *This book contains accepted papers presented at CISIS 2020 held in the beautiful and historic city of Burgos (Spain), in September 2020. The aim of the CISIS 2020 conference is to offer a meeting opportunity for academic and industry-related researchers belonging to the various, vast communities of computational intelligence, information security, and data mining. The need for intelligent, flexible behaviour by large, complex systems, especially in mission-critical domains, is intended to be the catalyst and the aggregation stimulus for the overall event. After a thorough peer-review process, the CISIS 2020 International Program Committee selected 43 papers which are published in these conference proceedings achieving an acceptance rate of 28%. Due to the COVID-19 outbreak, the CISIS 2020 edition was blended, combining on-site and on-line participation. In this relevant edition, a special emphasis was put on the organization of five special sessions related to relevant topics as Fake News Detection and Prevention, Mathematical Methods and Models in Cybersecurity, Measurements for a Dynamic Cyber-Risk Assessment, Cybersecurity in a Hybrid Quantum World, Anomaly/Intrusion Detection, and From the least to the least: cryptographic and data analytics solutions to fulfil least minimum privilege and endorse least minimum effort in information systems. The selection of papers was extremely rigorous in order to maintain the high quality of the conference and we would like to thank the members of the Program Committees for their hard work in the reviewing process. This is a crucial process to the creation of a high standard conference, and the CISIS conference would not exist without their help.* **Automotive Service Inspection, Maintenance, Repair Delmar Pub** *Updated to reflect the latest technology in the automotive industry, this book will provide the knowledge and skills needed to successfully inspect, maintain, and repair vehicles of all makes and models. Automotive Service: Inspection, Maintenance, and Repair, 3E begins by introducing readers to a number of automotive career options, shop management basics, plus necessary tools and equipment. The book then progresses to the theories of vehicle systems operations and includes step-by-step procedures for troubleshooting and repairing all major systems of the modern automobile. Updates include coverage of new vehicle technology like EVAP systems, on-board diagnostics and emissions, alternative fuels, and hybrid vehicles, making this book not only comprehensive but also current so that readers can feel confident they are learning the very latest in industry trends and techniques.* **Automotive Steering, Suspension, and Wheel Alignment Prentice Hall** *This book fills the need for technical information that correlates to the National ASE Certification Test and the NATEF Automotive Program Standards for Automotive Content Area A4, (Steering and Suspension). Real world examples help users prepare to take and pass the ASE certification test. Accompanying the book is a multimedia CD-ROM that features sample ASE-type questions with answers. The major emphasis is on diagnosis and troubleshooting automotive steering and suspension systems. Along with ASE content, information is included on drive axle shafts, CV joints, and rear axles. For automotive service technicians.* **A Century of Automotive Style 100 Years of American Car Design Lamm-Morada Publishing Company, Incorporated** *This rich automotive history will engage car buffs for hours of learning and diversion, for the book differs from most chronicles of the evolution of the horseless carriage by focusing on one particular, and fascinating, aspect: the styling of cars--their 'overall shape, ornamentation and resulting aura.' Resting on the premise that 'styling sells, ' the authors' large-format, heavily illustrated account goes into luscious detail about important designers, influential design trends, and noteworthy (in their aesthetic appeal) car models throughout the entire 100-year history of the automobile. A distinctive addition to technology collections that all public libraries should consider for purchase. - Brad Hooper; 306p - YA: For browsers and reluctant readers, as well as YAs interested in cars. JC-* **Internet of Things and Analytics for Agriculture, Volume 3 Springer Nature** *The book discusses one of the major challenges in agriculture which is delivery of cultivate produce to the end consumers with best possible price and quality. Currently all over the world, it is found that around 50% of the farm produce never reaches the end consumer due to wastage and suboptimal prices. The authors present solutions to reduce the transport cost, predictability of prices on the past data analytics and the current market conditions, and number of middle hops and agents between the farmer and the end consumer using IoT-based solutions. Again, the demand by consumption of agricultural products could be predicted quantitatively; however, the variation of harvest and production by the change of farm's cultivated area, weather change, disease and insect damage, etc., could be difficult to be predicted, so that the supply and demand of agricultural products has not been controlled properly. To overcome, this edited book designed the IoT-based monitoring system to analyze crop environment and the method to improve the efficiency of decision making by analyzing harvest statistics. The book is also useful for academicians working in the areas of climate changes.* **The Deviant Security Practices of Cyber Crime BRILL** *This is the first book to present a full, socio-technical-legal picture on the security practices of cyber criminals, based on confidential police sources related to some of the world's most serious and organized criminals.* **The Service Consultant: Principles of Service Management and Ownership Cengage Learning** *Designed to prepare readers for a successful career as an automotive service consultant, THE SERVICE CONSULTANT: PRINCIPLES OF SERVICE MANAGEMENT AND OWNERSHIP, Second Edition teaches readers how to maximize profits and improve customer satisfaction in an automotive business. With coverage of task-oriented procedures for day-to-day operations as well as communications, relations, supervision, and customer delivery, this practical book provides readers with an in-depth examination of the multi-faceted responsibilities of an automotive service consultant. In addition, the second edition contains updated examples, activities, technology, case studies, and visual aids so that readers are exposed to the most up-to-date information in the field. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.* **Today's Technician: Automatic Transmissions and Transaxles Classroom Manual and Shop Manual Cengage Learning** *Keeping pace with industry trends and needs across the country,TODAY'S TECHNICIAN: AUTOMATIC TRANSMISSIONS AND TRANSAXLES, 6e consists of a Classroom Manual that provides easy-to-understand, well-illustrated coverage of theory and a Shop Manual that focuses on practical, NATEF task-oriented service procedures. Taking a technician-oriented focus, the book helps students master the design, construction, troubleshooting techniques, and procedures necessary for industry careers and provides hands-on practice in using scanners and oscilloscopes to help students develop critical thinking skills, diagnose problems, and make effective repairs. The Sixth Edition offers up-to-date coverage of continuously variable transmissions (CVT), drivelines for front-wheel drive (FWD) and four-wheel drive (4WD) vehicles, and provides the latest information on today's high-tech electronic controls and automatic shifting devices. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.* **The State of Food Security and Nutrition in the World 2020 Transforming food systems for affordable healthy diets Food & Agriculture Org.** *Updates for many countries have made it possible to estimate hunger in the world with greater accuracy this year. In particular, newly accessible data enabled the revision of the entire series of undernourishment estimates for China back to 2000, resulting in a substantial downward shift of the series of the number of undernourished in the world. Nevertheless, the revision confirms the trend reported in past editions: the number of people affected by hunger globally has been slowly on the rise since 2014. The report also shows that the burden of malnutrition in all its forms continues to be a challenge. There has been some progress for child stunting, low birthweight and exclusive breastfeeding, but at a pace that is still too slow. Childhood overweight is not improving and adult obesity is on the rise in all regions. The report complements the usual assessment of food security and nutrition with projections of what the world may look like in 2030, if trends of the last decade continue. Projections show that the world is not on track to achieve Zero Hunger by 2030 and, despite some progress, most indicators are also not on track to meet global nutrition targets. The food security and nutritional status of the most vulnerable population groups is likely to deteriorate further due to the health and socio economic impacts of the COVID-19 pandemic. The report puts a spotlight on diet quality as a critical link between food security and nutrition. Meeting SDG 2 targets will only be possible if people have enough food to eat and if what they are eating is nutritious and affordable. The report also introduces new analysis of the cost and affordability of healthy diets around the world, by region and in different development contexts. It presents valuations of the health and climate-change costs associated with current food consumption patterns, as well as the potential cost savings if food consumption patterns were to shift towards healthy diets that include sustainability considerations. The report then concludes with a discussion of the policies and strategies to transform food systems to ensure affordable healthy diets, as part of the required efforts to end both hunger and all forms of malnutrition.* **Adobe Creative Suite Bible John Wiley & Sons** *Presents a guide to Photoshop CS, Illustrator CS, InDesign CS, GoLive CS, Acrobat Professional, and Version Cue.*