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Sustainable Value Chain Management 2013 Passenger Car Yearbook "RBI Assistants Exam Guide for Preliminary & Main Exam 4th Edition " *SBI & IBPS Bank Clerk 44 Year-wise Solved Papers (2009-20) 4th Edition* **SBI & IBPS Bank Clerk 38 Past (2009-18) Solved Papers 3rd Edition** RBI Assistant 5 Year-wise Preliminary & Main Exams Solved Papers (2012-20) *The Online Advertising Playbook* **Learning Rates of Electric Vehicles The 'Made in Germany' Champion Brands** *Advances in Intelligent Web Mastering - 2* **40 Year-wise SBI/ IBPS/ RRB/ RBI Bank Clerk Solved Papers (2015-21) 5th Edition** *Intermediate Microeconomics Domain Engineering* **Artificial Intelligence: Methodology, Systems, and Applications** *Race, Taste, Class and Cars Systems, Software and Services Process Improvement* *Market Entry in China* *Green Biorenewable Biocomposites* *SOFSEM 2010: Theory and Practice of Computer Science* **Theory of Ground Vehicles** *Internal Revenue Bulletin* *Lemon-Aid Used Cars and Trucks 2009-2010* **Het vooruitperspectief** *Switched Reluctance Motor Drives* **Software Architecture 2** *Time for a Model Change* *Design for Transport* **Dieselgate** **Global Strategy** *Vehicle Rescue and Extrication: Principles and Practice* **Torque Natural Fibre Reinforced Polymer Composites** *Apache Spark 2.x Machine Learning Cookbook* *Apache Spark 2: Data Processing and Real-Time Analytics* *Lemon-Aid New and Used Cars and Trucks 1990-2015* *Business Ethics* **Lemon-Aid New Cars and Trucks 2012** **Behaviour of Lithium-Ion Batteries in Electric Vehicles** *Air Bag Development and Performance* *Demand Generation*

Domain engineering is a set of activities intended to develop, maintain, and manage the creation and evolution of an area of knowledge suitable for processing by a range of software systems. It is of considerable practical significance, as it provides methods and techniques that help reduce time-to-market, development costs, and project risks on one hand, and helps improve system quality and performance on a consistent basis on the other. In this book, the editors present a collection of invited chapters from various fields related to domain engineering. The individual chapters present state-of-the-art research and are organized in three parts. The first part focuses on results that deal with domain engineering in software product lines. The second part describes how domain-specific languages are used to support the construction and deployment of domains. Finally, the third part presents contributions dealing with domain engineering within the field of conceptual modeling. All chapters utilize a similar terminology, which will help readers to understand and relate to the chapters content. The book will be especially rewarding for researchers and students of software engineering methodologies in general and of domain engineering and its related fields in particular, as it contains the most comprehensive and up-to-date information on this topic. This volume constitutes the refereed proceedings of the 19th EuroSPI conference, held in Vienna, Austria, in June 2012. The 29 revised papers presented in this volume were carefully reviewed and selected. They are organized in topical sections on SPI and business factors; SPI lifecycle and models; SPI assessment and quality; SPI processes and standards; SPI in SMEs; SPI and implementation; creating environments supporting innovation and improvement; standards and experiences with the implementation of functional safety; business process management; SPI in SMEs - a project management perspective. *Lemon-Aid New and Used Cars and Trucks 1990-2015* steers the confused and anxious buyer through the purchase of new and used vehicles unlike any other car-and-truck book on the market. "Dr. Phil," Canada's best-known automotive expert for more than 42 years, pulls no punches. Governments of many countries consider the electrification of individual passenger transport as a suitable strategy to decrease oil dependency and reduce transport-related carbon dioxide (CO2) and air pollutant emissions. However, battery-electric vehicles (BEVs) and plug-in hybrid-electric vehicles (PHEVs) have been more expensive than their conventional counterparts and suffer from relatively short electric driving ranges, which still hampers the market potential of these vehicles. Despite persisting shortfalls, mechanisms such as technological learning and economics of scale promise to improve the techno-economic performance of BEVs and PHEVs in the short- to mid-term. Here, the author seeks to obtain insight into the techno-economic prospects of BEVs and PHEVs by: (i) establishing experience curves and (ii) quantifying user costs and the costs of mitigating carbon dioxide and air pollutant emissions in a time-series analysis. The analysis captures the situation in Germany between 2010 and 2016. With its comprehensive coverage, *Intermediate Microeconomics* combines the theoretical rigour of an intermediate microeconomics text with extensive applications of the key principles to evidence and data drawn from the UK, Europe and other international sources. Building on the success of the first edition, the second edition of this highly regarded text has been fully updated and reworked, including an additional chapter on game theory. Germany's economic miracle is a widely-known phenomenon, and the world-leading, innovative products and services associated with German companies are something that others seek to imitate. In *The 'Made in Germany' Champion Brands*, Ugesh A. Joseph provides an extensively researched, insightful look at over 200 of Germany's best brands to see what they stand for, what has made them what they are today, and what might be transferable. The way Germany is branded as a nation carries across into the branding of its companies and services, particularly the global superstar brands - truly world-class in size, performance and reputation. Just as important are the medium-sized and small enterprises, known as the 'Mittelstand'. These innovative and successful enterprises from a wide range of industries and product / service categories are amongst the World market leaders in their own niche and play a huge part in making Germany what it is today. The book also focuses on German industrial entrepreneurship and a selection of innovative and emergent stars. All these companies are supported and encouraged by a sophisticated infrastructure of facilitators, influencers and enhancers - the research, industry, trade and standards organizations, the fairs and exhibitions and all the social and cultural factors that influence, enhance and add positive value to the country's image. Professionals or academics interested in business; entrepreneurship; branding and marketing; product or service development; international trade and business development policy, will find fascinating insights in this book; while those with an interest in Germany from emerging industrial economies will learn something of the secrets of German success. *Vehicle Rescue and Extrication: Principles and Practice to NFPA 1006 and 1670, Second Edition* meets and exceeds all the job performance requirements outlined in Chapter 8: *Vehicle Rescue* from the 2017 Edition of NFPA 1006, Standard for Technical Rescuer Professional Qualifications. This new edition separates the content by chapter at the awareness, operations and technician levels by so you can achieve the level of proficiency that best meets

the needs of your department. In addition, this text covers all the objectives in Chapter 8: Vehicle Search and Rescue from NFPA 1670, Standard on Operations and Training for Technical Search and Rescue Incidents, 2017 Edition enabling rescue organizations to deliver all levels of vehicle rescue successfully in their jurisdictions. This book compiles brand new case studies on the intricacies and market entry strategies of different companies in China. The sheer speed and scope of China's growth makes it unique and investment opportunities are very attractive. Despite the potential, many western companies fail in their market entry strategies. This book traces the major sources of failure and uses cases to illustrate how firms can better cope with the challenging Chinese market. With a special focus on marketing, positioning, and branding, this book presents issues and solutions of both large multinationals and small niche market players. Offers advice for prospective buyers of cars and trucks, reveals information on secret warranties and confidential service bulletins, and tells how to complain and get results. Electric motors are the largest consumer of electric energy and they play a critical role in the growing market for electrification. Due to their simple construction, switched reluctance motors (SRMs) are exceptionally attractive for the industry to respond to the increasing demand for high-efficiency, high-performance, and low-cost electric motors with a more secure supply chain. Switched Reluctance Motor Drives: Fundamentals to Applications is a comprehensive textbook covering the major aspects of switched reluctance motor drives. It provides an overview of the use of electric motors in the industrial, residential, commercial, and transportation sectors. It explains the theory behind the operation of switched reluctance motors and provides models to analyze them. The book extensively concentrates on the fundamentals and applications of SRM design and covers various design details, such as materials, mechanical construction, and controls. Acoustic noise and vibration is the most well-known issue in switched reluctance motors, but this can be reduced significantly through a multidisciplinary approach. These methodologies are explained in two chapters of the book. The first covers the fundamentals of acoustic noise and vibration so readers have the necessary tools to analyze the problems and explains the surface waves, spring-mass models, forcing harmonics, and mode shapes that are utilized in modeling and analyzing acoustic noise and vibration. The second applies these fundamentals to switched reluctance motors and provides examples for determining the sources of any acoustic noise in switched reluctance motors. In the final chapter two SRM designs are presented and proposed as replacements for permanent magnet machines in a residential HVAC application and a hybrid-electric propulsion application. It also shows a high-power and compact converter design for SRM drives. Features: Comprehensive coverage of switched reluctance motor drives from fundamental principles to design, operation, and applications A specific chapter on electric motor usage in industrial, residential, commercial, and transportation applications to address the benefits of switched reluctance machines Two chapters address acoustic noise and vibration in detail Numerous illustrations and practical examples on the design, modeling, and analysis of switched reluctance motor drives Examples of switched reluctance motor and drive design This book surveys state-of-the-art research on and developments in lithium-ion batteries for hybrid and electric vehicles. It summarizes their features in terms of performance, cost, service life, management, charging facilities, and safety. Vehicle electrification is now commonly accepted as a means of reducing fossil-fuels consumption and air pollution. At present, every electric vehicle on the road is powered by a lithium-ion battery. Currently, batteries based on lithium-ion technology are ranked first in terms of performance, reliability and safety. Though other systems, e.g., metal-air, lithium-sulphur, solid state, and aluminium-ion, are now being investigated, the lithium-ion system is likely to dominate for at least the next decade – which is why several manufacturers, e.g., Toyota, Nissan and Tesla, are chiefly focusing on this technology. Providing comprehensive information on lithium-ion batteries, the book includes contributions by the world's leading experts on Li-ion batteries and vehicles. Praise for The Online Advertising Playbook "Finally, someone has documented all we know about online advertising and how to do it right. As much as this confirms that online advertising really works, we know that marketers don't always get it right. The ARF's The Online Advertising Playbook provides critical insight on what sticks and what doesn't in online advertising and marketing." —Greg Stuart, CEO and President, Interactive Advertising Bureau and coauthor of What Sticks "The Online Advertising Playbook's principles, case studies, and strategic insights equip marketers with the best knowledge available. It will help your online advertising achieve the full range of marketing objectives, from lead generation and customer acquisition to driving trial and loyalty." —Tim Kopp, Vice President, Global Interactive Marketing, The Coca-Cola Company "To grow interactive marketing from here we need to institutionalize our wisdom and experience about what works. This book explains, in a disciplined way, what marketers have learned from a decade of massive change." —Ted McConnell, Interactive Innovation Director, Procter & Gamble "The Online Advertising Playbook is a milestone in the maturation of interactive advertising, but also an invaluable go-to guide for managers trying to make smart decisions with their advertising budgets." —Van Riley, Vice President of Research, AOL "The best marketing communication is spawned from what I call 'informed intuition.' After reading The Online Advertising Playbook, I am far better informed on how to optimize the online channel in our advertising and promotional programs. It's a perfect blend of case studies and research-backed learning." —Rod DeVar, Manager, Advertising and Promotion, United States Postal Service "Savvy marketers should take advantage of The Online Advertising Playbook's findings and principles to get real results." —Chris Theodoros, Director of Industry Relations, Google "A work of wisdom and rigor in the digital space that is as relevant for the newbie as it is for the digerati." —Mike Donahue, Executive Vice President, American Association of Advertising Agencies "This is a must-read for any marketing executive involved in online advertising. It's high time that a book looks at online advertising in the context of an integrative promotional strategy, one meant to set objectives, establish creative strategies, and measure results. The book nicely ties the various components of online advertising to relevant case studies, and the emphasis on measurement and results is refreshing. Not only is it relevant for marketing executives, it would also be a good basic text for any Internet advertising course and a good adjunct to any Internet marketing course." —Henry Assael, Professor of Marketing, Stern School of Business, New York University Global Strategy: Competing in the Connected Economy details how firms enter, compete and grow in foreign markets. Jain moves away from the traditional focus on developed countries and their multinational enterprises, instead focusing on both developed and emerging economies, as well as their interaction in an increasingly connected world. As the current global business environment is increasingly shaped—and connected—by faster technological developments, geopolitical forces, emerging economies, and new multinationals from those economies, this highly charged dynamic provides rich opportunity to revisit mainstream paradigms in globalization, innovation, and global strategy. The book rises to the challenge, exploring new competitive phenomena, new business models, and new strategies. Rich illustrations, real-world examples, and case data, provide students and executives with the insights necessary to connect, compete, and grow in a globalized business environment. This bold book succinctly covers strategy models and implementation for a range of global players, providing students of strategy and international business with a rich understanding of the contemporary business environment. For access to additional materials, including Powerpoint slides, a list of suggested cases, and sample syllabus, please contact Vinod Jain (vinod.jain01@yahoo.com). This book constitutes the refereed proceedings of the 36th Conference on Current Trends in Theory and Practice of Computer Science, SOFSEM 2010, held in

Špindleruv Mlýn, Czech Republic, in January 2009. The 53 revised full papers, presented together with 11 invited contributions, were carefully reviewed and selected from 134 submissions. SOFSEM 2010 was organized around the following four tracks: Foundations of computer science, principles of software construction, Data, knowledge, and intelligent systems and Web science. The automotive industry ranks among the most significant business phenomena of the 20th century and remains vitally important today, accounting for almost 11% of the GDP of North America, Europe and Japan and one in nine jobs. In economic and social terms alike, its products have had a fundamental impact on modern society - for better and worse. Yet the industry has found it hard to adjust to recent challenges and is no longer much valued by the capital markets. It is riven with internal contradictions that inhibit reform, and faces a stark choice between years of strife or radical change. This book is a wake-up call for those who work in the automotive business. It highlights the challenges and opportunities that exist for managers, legislators, financial institutions and potential industry entrants. Most of all, it gives us all cause to reflect on the value of our mobility, today and tomorrow. Singapore's best homegrown car magazine, with an editorial dream team driving it. We fuel the need for speed! In september 2015 ontdekt een Amerikaans agentschap dat de werkelijke uitstoot bij dieselmotoren van het Volkswagenconcern veel hoger is dan wordt beweerd en dan is toegestaan. Wat blijkt: er wordt software gebruikt die ervoor zorgt dat de auto minder uitstoot tijdens testsituaties dan op de weg – daarmee omzeilt het bedrijf de strenge milieueisen. Het is een schandaal van enorme omvang, dat verder blijkt te strekken dan alleen Volkswagen. Inmiddels is pijnlijk duidelijk dat de nationale autoriteiten in Europa niet deden wat ze hadden beloofd en te veel vertrouwen hadden in de auto-industrie. Ook de Europese Commissie deed te weinig met aanwijzingen dat er werd gesjoemeld en om vertragingstactieken vanuit de lobby tegen te gaan. Nog altijd rijden er miljoenen dieselauto's rond die meer uitstoten dan toegestaan en daarmee de gezondheid van duizenden Europeanen in gevaar brengen. Build efficient data flow and machine learning programs with this flexible, multi-functional open-source cluster-computing framework Key Features Master the art of real-time big data processing and machine learning Explore a wide range of use-cases to analyze large data Discover ways to optimize your work by using many features of Spark 2.x and Scala Book Description Apache Spark is an in-memory, cluster-based data processing system that provides a wide range of functionalities such as big data processing, analytics, machine learning, and more. With this Learning Path, you can take your knowledge of Apache Spark to the next level by learning how to expand Spark's functionality and building your own data flow and machine learning programs on this platform. You will work with the different modules in Apache Spark, such as interactive querying with Spark SQL, using DataFrames and datasets, implementing streaming analytics with Spark Streaming, and applying machine learning and deep learning techniques on Spark using MLlib and various external tools. By the end of this elaborately designed Learning Path, you will have all the knowledge you need to master Apache Spark, and build your own big data processing and analytics pipeline quickly and without any hassle. This Learning Path includes content from the following Packt products: Mastering Apache Spark 2.x by Romeo Kienzler Scala and Spark for Big Data Analytics by Md. Rezaul Karim, Sridhar Alla Apache Spark 2.x Machine Learning Cookbook by Siamak Amirghodsi, Meenakshi Rajendran, Broderick Hall, Shuen Mei Cookbook What you will learn Get to grips with all the features of Apache Spark 2.x Perform highly optimized real-time big data processing Use ML and DL techniques with Spark MLlib and third-party tools Analyze structured and unstructured data using SparkSQL and GraphX Understand tuning, debugging, and monitoring of big data applications Build scalable and fault-tolerant streaming applications Develop scalable recommendation engines Who this book is for If you are an intermediate-level Spark developer looking to master the advanced capabilities and use-cases of Apache Spark 2.x, this Learning Path is ideal for you. Big data professionals who want to learn how to integrate and use the features of Apache Spark and build a strong big data pipeline will also find this Learning Path useful. To grasp the concepts explained in this Learning Path, you must know the fundamentals of Apache Spark and Scala. This book constitutes the refereed proceedings of the 17th International Conference on Artificial Intelligence: Methodology, Systems, and Applications, AIMS 2016, held in Varna, Bulgaria in September 2015. The 32 revised full papers 6 poster papers presented were carefully reviewed and selected from 86 submissions. They cover a wide range of topics in AI: from machine learning to natural language systems, from information extraction to text mining, from knowledge representation to soft computing; from theoretical issues to real-world applications. Simplify machine learning model implementations with Spark About This Book Solve the day-to-day problems of data science with Spark This unique cookbook consists of exciting and intuitive numerical recipes Optimize your work by acquiring, cleaning, analyzing, predicting, and visualizing your data Who This Book Is For This book is for Scala developers with a fairly good exposure to and understanding of machine learning techniques, but lack practical implementations with Spark. A solid knowledge of machine learning algorithms is assumed, as well as hands-on experience of implementing ML algorithms with Scala. However, you do not need to be acquainted with the Spark ML libraries and ecosystem. What You Will Learn Get to know how Scala and Spark go hand-in-hand for developers when developing ML systems with Spark Build a recommendation engine that scales with Spark Find out how to build unsupervised clustering systems to classify data in Spark Build machine learning systems with the Decision Tree and Ensemble models in Spark Deal with the curse of high-dimensionality in big data using Spark Implement Text analytics for Search Engines in Spark Streaming Machine Learning System implementation using Spark In Detail Machine learning aims to extract knowledge from data, relying on fundamental concepts in computer science, statistics, probability, and optimization. Learning about algorithms enables a wide range of applications, from everyday tasks such as product recommendations and spam filtering to cutting edge applications such as self-driving cars and personalized medicine. You will gain hands-on experience of applying these principles using Apache Spark, a resilient cluster computing system well suited for large-scale machine learning tasks. This book begins with a quick overview of setting up the necessary IDEs to facilitate the execution of code examples that will be covered in various chapters. It also highlights some key issues developers face while working with machine learning algorithms on the Spark platform. We progress by uncovering the various Spark APIs and the implementation of ML algorithms with developing classification systems, recommendation engines, text analytics, clustering, and learning systems. Toward the final chapters, we'll focus on building high-end applications and explain various unsupervised methodologies and challenges to tackle when implementing with big data ML systems. Style and approach This book is packed with intuitive recipes supported with line-by-line explanations to help you understand how to optimize your work flow and resolve problems when working with complex data modeling tasks and predictive algorithms. This is a valuable resource for data scientists and those working on large scale data projects. Keeping in mind the advantages of bio-based materials, this book focuses on the potential efficacy of different biocomposites procured from diverse natural resources and the preparation and processing of the biocomposites to be used for a variety of applications. Each chapter gives an overview on a particular biocomposite material and its processing and successful utilization for selected applications. The chapters summarize recently developed research on such topics as: • Spider silk biocomposites • Biogenic hydroxyapatite-based implant biocomposites • Liquid crystals and cellulose derivatives biocomposites • Bio-based epoxy resins • Bio-based polyphenols and lignocellulosic fibers • Wood-based biocomposites • Flame retardant biocomposites

• Biocomposites for industrial noise control • Cellulose-based bionanocomposites Each individual chapter also focuses on the knowledge and understanding of the interfaces manifested in these biocomposites systems and the optimization of different parameters for novel properties. In addition to this, the book also summarizes the recent developments made in the area of injection molding of biocomposites, chemical functionalization of natural fibers, processing of biocomposites, and their applications in the automotive and biomedical industries. A number of critical issues and suggestions for future work are discussed, underscoring the roles of researchers for the efficient development of biocomposite materials through value addition to enhance their use.

Welcome to the 6th Atlantic Web Intelligence Conference (AWIC 2009), to be held during September 9-11, 2009 in Prague, Czech Republic. The conference will be held at the Faculty of Mathematics and Physics of the Charles University, Prague. This building has a convenient location in the historical city center, in the area called Lesser Town close to local attractions like Charles Bridge and Prague Castle. The Atlantic Web Intelligence Conferences bring together scientists, engineers, computer users, and students to exchange and share their experiences, new ideas, and research results about all aspects (theory, applications and tools) of intelligent methods applied to Web based systems, and to discuss the practical challenges encountered and the solutions adopted. Previous AWIC events were held in Spain - 2003, Mexico - 2004, Poland - 2005, Israel - 2006 and France - 2007. The thoroughly revised & updated 3rd edition of the book "RBI Assistants Exam Guide for Preliminary & Main Exam" covers: 1. Comprehensive Sections on: General Awareness, Numerical Ability, Reasoning, Computer Knowledge and English Language. 2. Each section is divided into chapters and each chapter contains detailed theory along with solved examples and shortcuts to solve problems. 3. The book provides thoroughly updated General Awareness section with Current Affairs till date. 4. Exhaustive question bank at the end of each chapter in the form of Exercise. Solutions to the Exercise have been provided at the end of each chapter. 5. Questions from past RBI Exams have been incorporated in the book. 6. Solved papers of previous RBI Assistants Exam have been provided. Now with SAGE Publishing, Business Ethics: Best Practices for Designing and Managing Ethical Organizations, Second Edition focuses on how to create organizations of high integrity and superior performance. Author Denis Collins shows how to design organizations that reinforce ethical behavior and reduce ethical risks using his unique Optimal Ethics Systems Model that outlines how to hire and train ethical employees, make ethical decisions, and create a trusting, productive work environment. Taking a practical approach, this text is packed with tips, strategies, and real-world case studies that profile a wide variety of businesses, industries, and issues. A Complete Teaching & Learning Package SAGE Premium Video Included in the interactive eBook! SAGE Premium Video tools and resources boost comprehension and bolster analysis. Watch this video Hiring Ethical People for a preview for a preview. Learn more. Interactive eBook Includes access to SAGE Premium Video, multimedia tools, and much more! Save when you bundle the interactive eBook with the new edition. Order using bundle ISBN: 978-1-5443-2496-8 Learn more. SAGE coursepacks FREE! Easily import our quality instructor and student resource content into your school's learning management system (LMS) and save time. Learn more. SAGE edge FREE online resources for students that make learning easier. See how your students benefit. THEORY OF GROUND VEHICLES A leading and authoritative text for advancing ground vehicle mobility Theory of Ground Vehicles, Fifth Edition presents updated and expanded coverage of the critical factors affecting the performance, handling, and ride essential to the development and design of road and off-road vehicles. Replacing internal combustion engines with zero-emission powerplants in ground vehicles to eliminate greenhouse gas emissions for curbing climate change has received worldwide attention by both the vehicle industry and governmental agencies. To enhance safety, traffic flow, and operating efficiency of road transport, automated driving systems have been under active development. With growing interest in the exploration of the Moon, Mars, and beyond, research in terramechanics for guiding the development of extraterrestrial rovers has been intensified. In this new edition, these and other topics of interest in the field of ground vehicle technology are explored, and technical data are updated. New features of this edition include: Expanded coverage of the fundamentals of electric drives, hybrid electric drives, and fuel cell technology Introduction to the classification and operating principles of the automated driving system and cooperative driving automation Applications of terramechanics to guiding the development of extraterrestrial rovers Elaboration on the approach to achieving the optimal operating efficiency of all-wheel drive off-road vehicles Introduction to updated ISO Standards for evaluating vehicle ride An updated and comprehensive text and reference for both the educational and professional communities, Theory of Ground Vehicles, Fifth Edition will prove invaluable to aspiring and practicing engineers seeking to solve real-world road and off-road vehicle mobility problems. The central premise of Design for Transport is that the designer's role is to approach design for transport from the point of view of the user. People have a collection of wants and needs and a significant proportion of them are to do with their requirements for mobility. The authors show how creative designers can take a user-focused approach for a wide range of types of transport products and systems. In so doing their starting point is one of creative dissatisfaction with what is currently available, and their specialist capability is in imagining and developing new solutions which respond to that opportunity. How this is tackled varies depending on the context, and the variety of solutions produced reflects the different aspirations and needs of the people they are designing for. The chapters cover user needs and transport, design and the transport system, transport design case studies, and the case for the automobile. A conclusion briefly signals what the future for transport design might be. Lavishly illustrated throughout in four-colour, Design for Transport, is an imaginative and rigorous guide to how designers can take a user-centred and socially responsible approach to tackling a range of types of transport, from systems to products and from bicycles to automobiles, demonstrating a rich array of solutions through case studies. Natural fibers and their composites have a long and important place in the history of human creativity and industry. Increasing consumer interest in "green" products made with sustainable materials, along with the rising cost of petroleum - the basic ingredient of synthetic fibers - have once again brought natural fibers and their composites to the fore. The renewed interest in natural fibers is only a few decades old. Thus, the pioneering work of current researchers in this new era of natural fiber composites will help to illuminate the path for future researchers as they explore new potentialities for natural fibers. Sabu Thomas and Laly Pothan, themselves leaders in the field, bring together cutting edge research by eminent scientists in Natural Fiber Reinforced Composites. Covering the latest research trends such as nano technology, the book will be a valuable resource for the natural fiber composite researcher. Over the past 20 years, software architectures have significantly contributed to the development of complex and distributed systems. Nowadays, it is recognized that one of the critical problems in the design and development of any complex software system is its architecture, i.e. the organization of its architectural elements. Software Architecture presents the software architecture paradigms based on objects, components, services and models, as well as the various architectural techniques and methods, the analysis of architectural qualities, models of representation of architectural templates and styles, their formalization, validation and testing and finally the engineering approach in which these consistent and autonomous elements can be tackled. Each year car manufacturers release new production models that are unique and innovative. The production model is the result of a lengthy process of testing aerodynamics, safety, engine components, and vehicle styling. The new technologies introduced in

these vehicles reflect changing standards as well as trends of the market. From Acura to Volvo, this book provides a snapshot of the key engineering concepts and trends of the passenger vehicle industry over the course of a year. For each of the 43 new production models, articles from Automotive Engineering International (AEI) magazine detail technology developments as well as a comprehensive look at the 2013 passenger car models. This book provides those with an interest in new vehicles with all the information on the key automotive engineering and technology advancements of the year. AEI's association with SAE International guarantees that these articles come from a trusted and reliable source with a reputation 100-plus years in the making. The 2013 Passenger Car Yearbook features articles covering a wide variety of topics from styling, safety, testing, hybrid systems, powertrain designs, lightweighting, and materials. Interviews with key designers and engineers offer the reader an in-depth look at the strategies behind the year's technology advancements. This yearbook is a must-read to any vehicle enthusiast or engineer. The 2013 Passenger Car Yearbook explores where automotive engineering and styling is heading in years to come, and where it has come from in the past. SBI & IBPS Bank Clerk 38 SOLVED PAPERS consists of past solved papers of SBI, IBPS and other Nationalised Bank Exams from 2009 to 2018. The papers that features in the book are: (i) SBI Clerk Prelim & Mains - 16 papers (ii) IBPS Clerk Prelim & Mains - 12 Papers (iii) RBI Assistant - 3 papers (iv) IBPS RRB Office Assistant Prelim & Mains - 5 Papers. In all there are 38 Question papers from 2009 to 2018 which have been provided year-wise along with detailed solutions. The strength of the book lies in the originality of its question papers and Errorless Solutions. This book introduces the integrated management concept of "Sustainable Value Creation", which delivers sustainability 'inside-out' from the core business. It is based on the premise that sustainability can provide a platform for growth, if it is implemented in a company's products, services and supply chains (combined also known as the 'Value Chain'). Managing the Value Chain from the outset with a sustainability mindset subsequently allows profitable economical, ecological and societal growth. It combines the need for increased sustainability and its implementation in the operations of a company. The book addresses the following issues: How do economic, environmental and societal factors impact the value-creation process of a company? What requirements and expectations need to be met to balance economic, ecologic and societal value creation? What are the building blocks and measures that can be utilized on the journey towards building a sustainable value chain? What benefits can be achieved through sustainable value chains? What are the practical examples of sustainable value chains in leading companies that can inspire others to follow? The book includes contributions from the following organisations and companies: Beiersdorf, SAP, Klenk und Hoursch, VAUDE, Infineon Technologies, Independent Capital Management, BASF, Nanogate, the Federal German Council for Sustainable Development, Henkel, Symrise, shared.value.chain, Siemens, Fairphone and Thin Air Factory For the first time in one volume, Phil Edmonston, Canada's automotive "Dr. Phil," covers all used vehicles, packing this guide with insider tips to help the consumer make the safest and cheapest choice possible from cars and trucks of the past 25 years. Love them or hate them, most of us have an opinion about cars. If not the cars themselves, then it's driver competence and behaviour that can offend us. And then there's modification: alloy wheels, custom audio systems and bespoke paint jobs. For some, changing the look, feel and sound of a car says something about themselves, but for others, such enhancements signify a lack of taste, or even criminality. In subtle and complex ways, cars transmit and modify our identities behind the wheel. As a symbol of independence and freedom, the car projects status, class, taste and, significantly, embeds racialisation. Using fascinating research from drivers, including first-person accounts, Alam unpicks the ways in which our identity is enhanced and driven. A straightforward homicide inquiry; just another day at the office for Detective Inspector Bailey Troy. But her investigation is destined to uncover a murderous conspiracy of unimaginable proportions. A beautiful young woman, heiress to her father's biotech fortune, lies dead — killed by an assassin's bullet to the head. The obvious suspect is Isaac Church, a smart but hormonal young IT geek with a good reason to hold a grudge and a steady hand with a gun. All the evidence points to him — it's an open-and-shut, slam-dunk case. Except that it isn't. The inquiry quickly unravels, the clues twisting into a labyrinth of dead-ends and contradictions. Everyone, it seems, has something to hide. And for Isaac Church, the investigation could prove deadly. Follow the fascinating development of the automotive air bag - from its introduction to the latest advances - in this comprehensive collection of papers from both SAE and other professional sources, complete with informative diagrams, graphics, and charts. Air Bag Development and Performance: New Perspectives from Industry, Government and Academia begins with five chapters - one each from Editor Richard Kent and the collection's four Associate Editors - offering the authors' unique perspectives on the history, development, or performance of these important safety devices. Approximately 50 selected SAE, government, and other papers are also provided in their entirety, along with the titles and abstracts of about 90 other papers (listed as recommended reading) and the titles of some 600 related papers for further reference (included in a bibliography at the end of the book).

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