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KEY=S - POWERS SHAMAR

Pro Android 4

Apress Pro Android 4 shows you how to build real-world and fun mobile apps using the new Android SDK 4 (Ice Cream Sandwich), which unifies Gingerbread for smartphones, Honeycomb for tablets and augments further with Google TV and more. This Android 4 book updates the best selling Pro Android 3 and covers everything from the fundamentals of building apps for embedded devices, smartphones, and tablets to advanced concepts such as custom 3D components, multi-tasking, sensors/augmented reality, better accessories support and much more. Using the tutorials and expert advice, you'll quickly be able to build cool mobile apps and run them on dozens of Android-based smartphones. You'll explore and use the Android APIs, including those for media and sensors. And you'll check out what's new with Android 4, including the improved user interface across all Android platforms, integration with services, and more. After reading this definitive tutorial and reference, you gain the knowledge and experience to create stunning, cutting-edge Android 4 apps that can make you money, while keeping you agile enough to respond to changes in the future.

Multistate Corporate Tax Guide 2009

CCH This exclusive insider's guide helps you handle state corporate tax questions quickly and effectively. It provides quick access to each state's statement of its position on key issues in corporate and sales and use taxation. A compilation of easy-to-access charts that summarize each state's answers to key issues in income, sales, and use taxation from the top state officials who interpret and apply the rules, the Guide puts vital state tax guidelines at your fingertips.

Multistate Guide to Sales and Use Tax Audits 2009

CCH Multistate Guide to Sales and Use Tax Audits provides state-specific material for preparing for and handling an audit in all states that impose sales and use taxes. Readers will gain an increased understanding of why their businesses or clients were selected for audit, how their audits will proceed, what the audit staff will be looking for, and how assessments are developed.

Private Cloud Computing

Consolidation, Virtualization, and Service-Oriented Infrastructure

Elsevier Private cloud computing enables you to consolidate diverse enterprise systems into one that is cloud-based and can be accessed by end-users seamlessly, regardless of their location or changes in overall demand. Expert authors Steve Smoot and Nam K. Tan distill their years of networking experience to describe how to build enterprise networks to create a private cloud. With their techniques you'll create cost-saving designs and increase the flexibility of your enterprise, while maintaining the security and control of an internal network. Private Cloud Computing offers a complete cloud architecture for enterprise networking by synthesizing WAN optimization, next-generation data centers, and virtualization in a network-friendly way, tying them together into a complete solution that can be progressively migrated to as time and resources permit. Describes next-generation data center architectures such as the virtual access-layer, the unified data center fabric and the "rack-and-roll" deployment model Provides an overview of cloud security and cloud management from the server virtualization perspective Presents real-world case studies, configuration and examples that allow you to easily apply practical know-how to your existing enterprise environment Offers effective private cloud computing solutions to simplify the costly and problematic challenge of enterprise networking and branch server consolidation

The Rough Guide to Android Phones

Rough Guides UK The Rough Guide to Android Phones™ is the ultimate guide for Android phone users. Showing you all the tips and tricks that ensure your phone performs to its full potential. There's even a complete lowdown on the hottest 100 Android apps. The slick Rough Guide reveals the secrets of this up-and-coming mobile operating system; covering models produced by Motorola, HTC, Samsung and many more. From the basic questions, like 'What is Android', to making the most of its functionality, this is the complete companion to your Android phone. Whether you already have an Android phone or are thinking of buying one, this is the gadget guide you need to make the most of your Android phone.

Computational Science - ICCS 2003

International Conference, Melbourne, Australia and St. Petersburg, Russia, June 2-4, 2003. Proceedings, Part II

Springer The four-volume set LNCS 2657, LNCS 2658, LNCS 2659, and LNCS 2660 constitutes the refereed proceedings of the Third International Conference on Computational Science, ICCS 2003, held concurrently in Melbourne, Australia and in St. Petersburg, Russia in June 2003. The four volumes present more than 460 reviewed contributed and invited papers and span the whole range of computational science, from foundational issues in computer science and algorithmic mathematics to advanced applications in virtually all application fields making use of computational techniques. These proceedings give a unique account of recent results in the field.

The Nexus Framework for Scaling Scrum

Continuously Delivering an Integrated Product with Multiple Scrum Teams

Addison-Wesley Professional Improve and Accelerate Software Delivery for Large, Distributed, Complex Projects The Nexus Framework is the simplest, most effective approach to applying Scrum at scale across multiple teams, sites, and time zones. Created by Scrum.org–the pioneering Scrum training and certification organization founded by Scrum co-creator Ken Schwaber–Nexus draws on decades of experience to address the unique challenges teams face in coming together, sharing work, and managing and minimizing dependencies. The Nexus™ Framework for Scaling Scrum is a concise book

that shows how Nexus helps teams to deliver a complex, multi-platform, software-based product in short, frequent cycles, without sacrificing consistency or quality, and without adding unnecessary complexity or straying from Scrum's core principles. Using an extended case study, the authors illustrate how Nexus helps teams solve common scaling challenges like reducing cross-team dependencies, preserving team self-organization and transparency, and ensuring accountability. Understand the challenges of delivering working, integrated product increments with multiple teams, and how Nexus addresses them Form a Nexus around a new or existing product and learn how that Nexus sets goals and plans its work Run Sprints within a Nexus, provide transparency into progress, conduct effective Nexus Sprint reviews, and use Nexus Sprint Retrospectives to continuously improve Overcome the distributed team collaboration challenges

Linking the economics of water, energy, and food: A nexus modeling approach

Intl Food Policy Res Inst We use an innovative methodology to model the socioeconomic linkages between water, energy, and food in the East Nile Basin. Based upon a theoretical nexus framework, the methodology is expanded into a quantifiable modeling suite that under-lies the analysis of each of three country case studies. The advantages are that, despite resource shortages being a challenge, the modeling suite aids in devising policies and strategies that formulate these sectoral interdependencies and provide the evidence-based research results necessary for their design in a way that exploits synergies existing across sectors, countries, and regions (Al-Zubari n.d.). This paper lays out the methodology and gives an example of an application and scenarios by focusing on three countries in the East Nile Basin. This methodology paper will be followed by three individual country case studies that highlight the water, energy, and food nexus for each.

Sustainable Energy Systems: From Primary to End-Use

MDPI This book focuses on sustainable energy systems. While several innovative and alternative concepts are presented, the topics of energy policy, life cycle assessment, thermal energy, and renewable energy also play a major role. Models on various temporal and geographical scales are developed to understand the conditions of technical as well as organizational change. New methods of modeling, which can fulfil technical and physical boundary conditions and nevertheless consider economic environmental and social aspects, are also developed.

Frontiers in Water-Energy-Nexus—Nature-Based Solutions, Advanced Technologies and Best Practices for Environmental Sustainability

Proceedings of the 2nd WaterEnergyNEXUS Conference, November 2018, Salerno, Italy

Springer Nature This volume includes selected contributions presented during the 2nd edition of the international conference on WaterEnergyNEXUS which was held in Salerno, Italy in November 2018. This conference was organized by the Sanitary Environmental Engineering Division (SEED) of the University of Salerno (Italy) in cooperation with Advanced Institute of Water Industry at Kyungpook National University (Korea) and with The Energy and Resources Institute, TERI (India). The initiative received the patronage of UNESCO – World Water Association Programme (WWAP) and of the International Water Association (IWA) and was organized with the support of Springer (MENA Publishing Program), Arab Water Council (AWC), Korean Society of Environmental Engineering (KSEE) and Italian Society of Sanitary Environmental Engineering Professors (GITISA). With the support of international experts invited as plenary and keynote speakers, the conference aimed to give a platform for Euro-Mediterranean countries to share and discuss key topics on such water-energy issues through the presentation of nature-based solutions, advanced technologies and best practices for a more sustainable environment. This volume gives a general and brief overview on current research focusing on emerging Water-Energy-Nexus issues and challenges and its potential applications to a variety of environmental problems that are impacting the Euro-Mediterranean zone and surrounding regions. A selection of novel and alternative solutions applied worldwide are included. The volume contains over about one hundred carefully refereed contributions from 44 countries worldwide selected for the conference. Topics covered include (1) Nexus framework and governance, (2) Environmental solutions for the sustainable development of the water sector, (3) future clean energy technologies and systems under water constraints, (4) environmental engineering and management, (5) Implementation and best practices Intended for researchers in environmental engineering, environmental science, chemistry, and civil engineering. This volume is also an invaluable guide for industry professionals working in both water and energy sectors.

Sea Water Desalination in Microgrids

Springer Nature

Design Thinking Research

Interrogating the Doing

Springer Nature Extensive research conducted by the Hasso Plattner Design Thinking Research Program at Stanford University in Palo Alto, California, USA, and the Hasso Plattner Institute in Potsdam, Germany, has yielded valuable insights on why and how design thinking works. The participating researchers have identified metrics, developed models, and conducted studies, which are featured in this book, and in the previous volumes of this series. This volume provides readers with tools to bridge the gap between research and practice in design thinking with varied real world examples. Several different approaches to design thinking are presented in this volume. Acquired frameworks are leveraged to understand design thinking team dynamics. The contributing authors lead the reader through new approaches and application fields and show that design thinking can tap the potential of digital technologies in a human-centered way. In a final section, new ideas in neurodesign at Stanford University and at Hasso Plattner Institute in Potsdam are elaborated upon thereby challenging the reader to consider newly developed methodologies and provide discussion of how these insights can be applied to various sectors. Special emphasis is placed on understanding the mechanisms underlying design thinking at the individual and team levels. Design thinking can be learned. It has a methodology that can be observed across multiple settings and accordingly, the reader can adopt new frameworks to modify and update existing practice. The research outcomes compiled in this book are intended to inform and provide inspiration for all those seeking to drive innovation – be they experienced design thinkers or newcomers.

Let There Be Light!

Nuclear Energy: A Christian Case

Wipf and Stock Publishers Have you ever wondered what it is like to work on a nuclear power plant? Robert Dutch worked in the UK's nuclear industry for many years as a scientist and then as a tutor at a nuclear training center. He also holds degrees in theology. Drawing upon his qualifications and experience Robert addresses the controversial issue of nuclear power from a Christian perspective. In contrast to a negative nuclear narrative often portrayed, he presents a positive nuclear narrative alongside other ways of generating electricity. Be prepared to be challenged to think seriously about nuclear's merits in providing clean, low-carbon electricity.

The Nexus Between Organized Crime and Terrorism

Types and Responses

Edward Elgar Publishing In the post-9/11 era, the nexus between organized crime and terrorism has raised much concern and has been widely discussed in both academic and policy circles, but is still largely misunderstood. This critical book contributes innovatively to the debate by distinguishing three types of nexus—interaction, transformation/imitation and similarities—and identifying the promoting factors of each type.

Global Environment Outlook - GEO-6: Healthy Planet, Healthy People

Cambridge University Press Published to coincide with the Fourth United Nations Environmental Assembly, UN Environment's sixth Global Environment Outlook calls on decision makers to take bold and urgent action to address pressing environmental issues in order to protect the planet and human health. By bringing together hundreds of scientists, peer reviewers and collaborating institutions and partners, the GEO reports build on sound scientific knowledge to provide governments, local authorities, businesses and individual citizens with the information needed to guide societies to a truly sustainable world by 2050. GEO-6 outlines the current state of the environment, illustrates possible future environmental trends and analyses the effectiveness of policies. This flagship report shows how governments can put us on the path to a truly sustainable future - emphasising that urgent and inclusive action is needed to achieve a healthy planet with healthy people. This title is also available as Open Access on Cambridge Core.

Robotic Systems: Concepts, Methodologies, Tools, and Applications

Concepts, Methodologies, Tools, and Applications

IGI Global Through expanded intelligence, the use of robotics has fundamentally transformed a variety of fields, including manufacturing, aerospace, medicine, social services, and agriculture. Continued research on robotic design is critical to solving various dynamic obstacles individuals, enterprises, and humanity at large face on a daily basis. Robotic Systems: Concepts, Methodologies, Tools, and Applications is a vital reference source that delves into the current issues, methodologies, and trends relating to advanced robotic technology in the modern world. Highlighting a range of topics such as mechatronics, cybernetics, and human-computer interaction, this multi-volume book is ideally designed for robotics engineers, mechanical engineers, robotics technicians, operators, software engineers, designers, programmers, industry professionals, researchers, students, academicians, and computer practitioners seeking current research on developing innovative ideas for intelligent and autonomous robotics systems.

Willing's Press Guide and Advertisers' Directory and Handbook

A Scrum Book

The Spirit of the Game

Pragmatic Bookshelf Building a successful product usually involves teams of people, and many choose the Scrum approach to aid in creating products that deliver the highest possible value. Implementing Scrum gives teams a collection of powerful ideas they can assemble to fit their needs and meet their goals. The ninety-four patterns contained within are elaborated nuggets of insight into Scrumâ€™s building blocks, how they work, and how to use them. They offer novices a roadmap for starting from scratch, yet they help intermediate practitioners fine-tune or fortify their Scrum implementations. Experienced practitioners can use the patterns and supporting explanations to get a better understanding of how the parts of Scrum complement each other to solve common problems in product development. The patterns are written in the well-known Alexandrian form, whose roots in architecture and design have enjoyed broad application in the software world. The form organizes each pattern so you can navigate directly to organizational design tradeoffs or jump to the solution or rationale that makes the solution work. The patterns flow together naturally through the context sections at their beginning and end. Learn everything you need to know to master and implement Scrum one step at a timeâ€"the agile way.

Android Security Internals

An In-Depth Guide to Android's Security Architecture

No Starch Press There are more than one billion Android devices in use today, each one a potential target. Unfortunately, many fundamental Android security features have been little more than a black box to all but the most elite security professionals—until now. In Android Security Internals, top Android security expert Nikolay Elenkov takes us under the hood of the Android security system. Elenkov describes Android security architecture from the bottom up, delving into the implementation of major security-related components and subsystems, like Binder IPC, permissions, cryptographic providers, and device administration. You'll learn: –How Android permissions are declared, used, and enforced –How Android manages application packages and employs code signing to verify their authenticity –How Android implements the Java Cryptography Architecture (JCA) and Java Secure Socket Extension (JSSE) frameworks –About Android's credential storage system and APIs, which let applications store cryptographic keys securely –About the online account management framework and how Google accounts integrate with Android –About the implementation of verified boot, disk encryption, lockscreen, and other device security features –How Android's bootloader and recovery OS are used to perform full system updates, and how to obtain root access With its unprecedented level of depth and detail, Android Security Internals is a must-have for any security-minded Android developer.

Opioid-Use Disorders in Pregnancy

Management Guidelines for Improving Outcomes

Gain guidance and support when treating the high-risk population of women confronting (or battling) opioid-use disorders during pregnancy.

The United Nations world water development report 2016: water and jobs

UNESCO Publishing

The Nexus of Practices

Connections, constellations, practitioners

Taylor & Francis The Nexus of Practices: connections, constellations, practitioners brings leading theorists of practice together to provide a fresh set of theoretical impulses for the surge of practice-focused studies currently sweeping across the social disciplines. The book addresses key issues facing practice theory, expands practice theory's conceptual repertoire, and explores new empirical terrain. With each intellectual move, it generates further opportunities for social research. More specifically, the book's chapters offer new approaches to analysing connections within the nexus of practices, to exploring the dynamics and implications of the constellations that practices form, and to understanding people as practitioners that carry on practices. Topics examined include social change, language, power, affect, reflection, large social phenomena, and connectivity over time and space. Contributors thereby counter claims that practice theory cannot handle large phenomena and that it ignores people. The contributions also develop practice theoretical ideas in dialogue with other forms of social theory and in ways illustrated and informed by empirical cases and examples. The Nexus of Practices will quickly become an important point of reference for future practice-focused research in the social sciences.

Strengthening Forensic Science in the United States

A Path Forward

National Academies Press Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. Strengthening Forensic Science in the United States: A Path Forward provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. Strengthening Forensic Science in the United States gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.

Youth Mainstreaming in Development Planning

Transforming Young Lives

Commonwealth Secretariat Youth Mainstreaming in Development Planning: Transforming Young Lives is a compendium of concepts to initiate dialogue and mobilise consensus around visions and strategies for young people and includes practical tools and techniques that will support initiatives to mainstream youth rights, voices and capabilities across government and other institutions. It is aimed policy-makers and practitioners in all sectors engaged in development planning at all levels.

Critical Design and Effective Tools for E-Learning in Higher Education: Theory into Practice

Theory into Practice

IGI Global "The aim of this book is to bring together best practice in the development and use of E-Learning tools and technologies to support academic staff and faculty in universities, further education, and higher education institutes"--Provided by publisher.

Resource Accounting for Sustainability Assessment

The Nexus between Energy, Food, Water and Land Use

Routledge The demands placed on land, water, energy and other natural resources are exacerbated as the world population continues to increase together with the expectations of economic growth. This, combined with concerns over environmental change, presents a set of scientific, policy and management issues that are critical for sustainability. Resource Accounting for Sustainability Assessment: The nexus between energy, food, water and land use offers an approach for multi-scale, integrated assessment of this nexus. It presents a comprehensive and original method of resource accounting for integrated sustainability assessments. The approach is illustrated with three detailed case studies: the islands of Mauritius, the Indian state of Punjab, and the energy economy of South Africa. The relationships between flows of goods, services and materials in these case studies offer valuable insights. The book provides a much needed quality control on the information used in deliberative processes about policy and planning activities. This innovative book will be of interest to researchers, students and practitioners in the fields of sustainability science, international development, industrial ecology, sustainable resource management, geography and ecological economics.

A Guide to Econometric Methods for the Energy-Growth Nexus

Academic Press A Guide to Econometric Methods for the Energy-Growth Nexus presents, explains and compares all the available econometrics methods pertinent to the energy-growth nexus. Chapters cover methods and applications, starting with older econometric methods and moving toward new ones. Each chapter presents the method and facts about its applications, providing step-by-step explanations about the ways the method meets the demands of the field. In addition, applied case studies and practical research steps are included to enhance the learning process. By touching on all relevant econometric methods for the energy-growth nexus, this book gives energy-growth researchers and students all they need to tackle the subject matter. Presents econometric methods for short- and long-term forecasting Provides methods and step-by-step explanations on the ways the method meets the demands of the field Contains applied case studies and practical research steps

The International Brand Valuation Manual

A complete overview and analysis of brand valuation techniques, methodologies and applications

John Wiley & Sons The International Brand Valuation Manual is a detailed and extensive review of the main brand valuation models. The book reveals the state of the art in the field of brand valuation and coherently relates major trends in the theory and practice of brand valuation. This "one-stop" source is for valuation professionals as well as financial and marketing specialists who need to have an understanding of the principal valuation methods. Salinas also analyses the respective efficacy, advantages, disadvantages, and prospects for the future for each method. The book: - Provides a thorough overview of all the tools available for the brand valuation practitioner. - Offers an informed view on which methodologies are most suitable for different types of applications, and explains why. - Acts as an all-in-one source of reference for specialists who advise clients on which methodology to employ, or who are considering adopting one themselves. - Features case studies and examples from Guinness, PwC, Rolls-Royce, Santander, Shell, Telefonica, Unilever, BMW, Hanson Trust, Cadbury-Schweppes, Kellogg, Coco-Cola, Mercedes, Rolex, among others. Gabriella Salinas is the Global Brand Manager at Deloitte Touche Tohmatsu, Madrid, Spain.

The Specter of Dictatorship

Judicial Enabling of Presidential Power

Stanford University Press Reveals how the U.S. Supreme Court's presidentialism threatens our democracy and what to do about it. Donald Trump's presidency made many Americans wonder whether our system of checks and balances would prove robust enough to withstand an onslaught from a despotic chief executive. In The Specter of Dictatorship, David Driesen analyzes the chief executive's role in the democratic decline of Hungary, Poland, and Turkey and argues that an insufficiently constrained presidency is one of the most important systemic threats to democracy. Driesen urges the U.S. to learn from the mistakes of these failing democracies. Their experiences suggest, Driesen shows, that the Court must eschew its reliance on and expansion of the "unitary executive theory" recently endorsed by the Court and apply a less deferential approach to presidential authority, invoked to protect national security and combat emergencies, than it has in recent years. Ultimately, Driesen argues that concern about loss of democracy should play a major role in the Court's jurisprudence, because loss of democracy can prove irreversible. As autocracy spreads throughout the world, maintaining our democracy has become an urgent matter.

Guidelines on Irrigation Investment Projects

United Nations Irrigation been and will continue to be an agricultural and rural investment priority. Development of the irrigation sector faces multiple challenges, including water scarcity and degradation, competition over shared resources, and the impact of climate change. Innovations are needed to address these challenges, as well as emerging needs, and to promote productive, equitable and sustainable water management. These guidelines, produced by an inter-agency team, highlight experiences and lessons learned from global irrigation investment operations. They introduce innovative approaches, tools and references, and provide practical guidance on how to incorporate or apply them at each stage of the investment project cycle. The guidelines will be a useful resource for national and international professionals involved in irrigation investment operations.

Regeneration of the Built Environment from a Circular Economy Perspective

Springer Nature This open access book explores the strategic importance and advantages of adopting multidisciplinary and multiscalar approaches of inquiry and intervention with respect to the built environment, based on principles of sustainability and circular economy strategies. A series of key challenges are considered in depth from a multidisciplinary perspective, spanning engineering, architecture, and regional and urban economics. These challenges include strategies to relaunch socioeconomic development through regenerative processes, the regeneration of urban spaces from the perspective of resilience, the development and deployment of innovative products and processes in the construction sector in order to comply more fully with the principles of sustainability and circularity, and the development of multiscale approaches to enhance the performance of both the existing building stock and new buildings. The book offers a rich selection of conceptual, empirical, methodological, technical, and case study/project-based research. It will be of value for all who have an interest in regeneration of the built environment from a circular economy perspective.

Managing Water, Soil and Waste Resources to Achieve Sustainable Development Goals

Monitoring and Implementation of Integrated Resources Management

Springer This book explores how integrated management of environmental resources via a Nexus Approach can help to achieve Sustainable Development Goals (SDGs). It takes a process-oriented view on what should or needs to be done to implement a Nexus Approach and how this relates to SDGs. After sketching the background and conceptual outline, contributions to the book explore key aspects of monitoring and implementation. Specifically, they: focus on the importance of monitoring resource use and how to advance it at the international level to support SDG implementation, exemplify the resources perspective on the nexus approach by exploring how to close the nitrogen cycle and stay within planetary boundaries, elaborate on proven and emerging strategies for nexus implementation, highlighting means to enhance, monitor and analyse stakeholder participation, explain how the horizontal and vertical nexus dimensions interact and can support SDG implementation. The book sheds new light on key aspects of the interrelation between SDGs and the Nexus Approach and provides specific recommendations how to advance it.

Localizing the SDGs in African Cities

Springer Nature

Student Reactions to Learning with Technologies: Perceptions and Outcomes

Perceptions and Outcomes

IGI Global While the creation and adoption of new technologies has increased in recent years, the educational sector often limits technology use. Despite this, many researchers are convinced of the vital role that technologies can play in learning and teaching. Student Reactions to Learning with Technologies: Perceptions and Outcomes brings together recent research findings about the views and expectations of students when including technologies in their studies. The chapters in this book suggest that the use of technologies in teaching not only makes learning more interesting but also offers possibilities for variations in the learning processes. While this book does not offer irrevocable opinions and definitive views or insights, it provides a useful lens for viewing the world of students and providing insights into the possibilities for accessing and conducting similar research.

Business Activity Tax Simplification Act of 2013

Hearing Before the Subcommittee on Regulatory Reform, Commercial and Antitrust Law of the Committee on the Judiciary, House of Representatives, One Hundred Thirteenth Congress, Second Session, on H.R. 2992, February 26, 2014

Modern Challenges and Approaches to Humanitarian Engineering

IGI Global The 21st century is associated with a number of environmental, social, and economic challenges spanning from globalization and migration to climate change, global health, urbanization, and natural hazards. These challenges of the modern age command our immediate reaction towards an equal society. There is an urgent need for scientists, researchers, and politicians to take the reins by providing immediate solutions to tackle this harsh reality. The need for a more human approach has recently led to what we call humanitarian engineering. Modern Challenges and Approaches to Humanitarian Engineering provides relevant theoretical frameworks and the latest empirical research findings in this area. It discusses the most recent challenges and approaches in the field of humanitarian engineering and presents research, case studies, and innovative models. Covering topics such as contact tracing apps, scientific production, and sustainable management, this book is an essential resource for engineers, government officials, scientists, activists, humanitarians, emergency management agencies, students and educators of higher education, researchers, and academicians.

The Global Smartphone

Beyond a youth technology

UCL Press The smartphone is often literally right in front of our nose, so you would think we would know what it is. But do we? To find out, 11 anthropologists each spent 16 months living in communities in Africa, Asia, Europe and South America, focusing on the take up of smartphones by older people. Their research reveals that smartphones are technology for everyone, not just for the young. The Global Smartphone presents a series of original perspectives deriving from this global and comparative research project. Smartphones have become as much a place within which we live as a device we use to provide 'perpetual opportunism', as they are always with us. The authors show how the smartphone is more than an 'app device' and explore differences between what people say about smartphones and how they use them. The smartphone is unprecedented in the degree to which we can transform it. As a result, it quickly assimilates personal values. In order to comprehend it, we must take into consideration a range of national and cultural nuances, such as visual communication in China and Japan, mobile money in Cameroon and Uganda, and access to health information in Chile and Ireland – all alongside diverse trajectories of ageing in Al Quds, Brazil and Italy. Only then can we know what a smartphone is and understand its consequences for people's lives around the world.

Strategic Issues Facing Transportation

The effects of socio-demographics on future travel demand. Volume 6

The four future scenarios were developed using a Strategic Assumptions Surfacing and Testing (SAST) technique and include the following: (1) Momentum: gradual change without radical shifts; (2) Technology Triumphs: technology solves many present-day problems; (3) Global Chaos: a collapse in globalism and sustainability, and (4) Gentle Footprint: a widespread shift to low-impact living. The model does not predict which scenario is most likely; instead it predicts how travel demand will change under each of the five sectors: socio-demographics, travel behavior, land use, employment, and transportation supply. The accompanying CD (CRP-CD-152) contains the Impacts 2050 software tool, the user's guide, a PowerPoint presentation about the research, and the research brief. The Impacts 2050 tool enables modeling of changes in these sectors due to socio-demographic changes, the interplay between sectors, and external factors such as attitudes and technology.

Handbook of Water Resources Management: Discourses, Concepts and Examples

Springer Nature This book provides an overview of facts, theories and methods from hydrology, geology, geophysics, law, ethics, economics, ecology, engineering, sociology, diplomacy and many other disciplines with relevance for concepts and practice of water resources management. It provides comprehensive, but also critical reading material for all communities involved in the ongoing water discourses and debates. The book refers to case studies in the form of boxes, sections, or as entire chapters. They illustrate success stories, but also lessons to be remembered, to avoid repeating the same mistakes. Based on consolidated state-of-the-art knowledge, it has been conceived and written to attract a multidisciplinary audience. The aim of this handbook is to facilitate understanding between the participants of the international water discourse and multi-level decision making processes. Knowing more about water, but also about concepts, methods and aspirations of different professional, disciplinary communities and stakeholders professionalizes the debate and enhances the decision making.

Software Processes and Life Cycle Models

An Introduction to Modelling, Using and Managing Agile, Plan-Driven and Hybrid Processes

Springer This book provides a comprehensive overview of the field of software processes, covering in particular the following essential topics: software process modelling, software process and lifecycle models, software process management, deployment and governance, and software process improvement (including assessment and measurement). It does not propose any new processes or methods; rather, it introduces students and software engineers to software processes and life cycle models, covering the different types ranging from "classical", plan-driven via hybrid to agile approaches. The book is structured as follows: In chapter 1, the fundamentals of the topic are introduced: the basic concepts, a historical overview, and the terminology used. Next, chapter 2 covers the various approaches to modelling software processes and lifecycle models, before chapter 3 discusses the contents of these models, addressing plan-driven, agile and hybrid approaches. The following three chapters address various aspects of using software processes and lifecycle models within organisations, and consider the management of these processes, their assessment and improvement, and the measurement of both software and software processes. Working with software processes normally involves various tools, which are the focus of chapter 7, before a look at current trends in software processes in chapter 8 rounds out the book. This book is mainly intended for graduate students and practicing professionals. It can be used as a textbook for courses and lectures, for self-study, and as a reference guide. When used as a textbook, it may support courses and lectures on software processes, or be used as complementary literature for more basic courses, such as introductory courses on software engineering or project management. To this end, it includes a wealth of examples and case studies, and each chapter is complemented by exercises that help readers gain a better command of the concepts discussed.