Basiswissen Requirements Engineering Rupp Beck Shop De

#Requirements Engineering #RE Fundamentals #Software Development Basics #System Requirements Guide #Rupp Beck Book

Discover the essential fundamentals of Requirements Engineering with this comprehensive guide from Rupp and Beck. Perfect for understanding RE basics in software development, this resource provides core knowledge for crafting precise system requirements for successful project outcomes and efficient IT systems.

Basiswissen Requirements Engineering

Requirements engineering tasks have become increasingly complex. In order to ensure a high level of knowledge and competency among requirements engineers, the International Requirements Engineering Board (IREB) developed a standardized qualification called the Certified Professional for Requirements Engineering (CPRE). The certification defines the practical skills of a requirements engineer on various training levels. This book is designed for self-study and covers the curriculum for the Certified Professional for Requirements Engineering Foundation Level exam as defined by the IREB. **The 2nd edition** has been thoroughly revised and is aligned with the curriculum Version 2.2 of the IREB. In addition, some minor corrections to the 1st edition have been included. **About IREB:** The mission of the IREB is to contribute to the standardization of further education in the fields of business analysis and requirements engineering by providing syllabi and examinations, thereby achieving a higher level of applied requirements engineering. The IRE Board is comprised of a balanced mix of independent, internationally recognized experts in the fields of economy, consulting, research, and science. The IREB is a non-profit corporation. For more information visit www.certified-re.com

Requirements Engineering Fundamentals, 2nd Edition

Requirements engineering is the process of eliciting individual stakeholder requirements and needs and developing them into detailed, agreed requirements documented and specified in such a way that they can serve as the basis for all other system development activities. In this textbook, Klaus Pohl provides a comprehensive and well-structured introduction to the fundamentals, principles, and techniques of requirements engineering. He presents approved techniques for eliciting, negotiating and documenting as well as validating, and managing requirements for software-intensive systems. The various aspects of the process and the techniques are illustrated using numerous examples based on

his extensive teaching experience and his work in industrial collaborations. His presentation aims at professionals, students, and lecturers in systems and software engineering or business applications development. Professionals such as project managers, software architects, systems analysts, and software engineers will benefit in their daily work from the didactically well-presented combination of validated procedures and industrial experience. Students and lecturers will appreciate the comprehensive description of sound fundamentals, principles, and techniques, which is completed by a huge commented list of references for further reading. Lecturers will find additional teaching material on the book's website, www.requirements-book.com.

Requirements Engineering

This open access book reports on innovative methods, technologies and strategies for mastering uncertainty in technical systems. Despite the fact that current research on uncertainty is mainly focusing on uncertainty quantification and analysis, this book gives emphasis to innovative ways to master uncertainty in engineering design, production and product usage alike. It gathers authoritative contributions by more than 30 scientists reporting on years of research in the areas of engineering, applied mathematics and law, thus offering a timely, comprehensive and multidisciplinary account of theories and methods for quantifying data, model and structural uncertainty, and of fundamental strategies for mastering uncertainty. It covers key concepts such as robustness, flexibility and resilience in detail. All the described methods, technologies and strategies have been validated with the help of three technical systems, i.e. the Modular Active Spring-Damper System, the Active Air Spring and the 3D Servo Press, which have been in turn developed and tested during more than ten years of cooperative research. Overall, this book offers a timely, practice-oriented reference guide to graduate students, researchers and professionals dealing with uncertainty in the broad field of mechanical engineering.

Mastering Uncertainty in Mechanical Engineering

Activities performed in organizations are coordinated via communication between the people involved. The sentences used to communicate are naturally structured by subject, verb, and object. The subject describes the actor, the verb the action and the object what is affected by the action. Subject-oriented Business Process Management (S-BPM) as presented in this book is based on this simple structure which enables process-oriented thinking and process modeling. S-BPM puts the subject of a process at the center of attention and thus deals with business processes and their organizational environment from a new perspective, meeting organizational requirements in a much better way than traditional approaches. Subjects represent agents of an action in a process, which can be either technical or human (e.g. a thread in an IT system or a clerk). A process structures the actions of each subject and coordinates the required communication among the subjects. S-BPM provides a coherent procedural framework to model and analyze business processes: its focus is the cooperation of all stakeholders involved in the strategic, tactical, and operational issues, sharing their knowledge in a networked structure. The authors illustrate how each modeling activity through the whole development lifecycle can be supported through the use of appropriate software tools. The presentation style focuses on professionals in industry, and on students specializing in process management or organizational modeling. Each chapter begins with a summary of key findings and is full of examples, hints, and possible pitfalls. An interpreter model, a toolbox, and a glossary summarizing the main terms complete the book. The web site www.i2pm.net provides additional software tools and further material.

Subject-Oriented Business Process Management

This book constitutes the refereed post-conference proceedings of the 15th IFIP WG 5.1 International Conference on Product Lifecycle Management, PLM 2018, held in Turin, Spain, in July 2018. The 72 revised full papers presented were carefully reviewed and selected from 82 submissions. The papers are organized in the following topical sections: building information modeling; collaborative environments and new product development; PLM for digital factories and cyber physical systems; ontologies and data models; education in the field of industry 4.0; product-service systems and smart products; lean organization for industry 4.0; knowledge management and information sharing; PLM infrastructure and implementation; PLM maturity, implementation and adoption; 3D printing and additive manufacturing; and modular design and products and configuration and change management.

Innovative Methods in Logistics and Supply Chain Management

This book presents an internationally comprehensive perspective into the field of complex systems. It explores the challenges of and approaches to complexity from a broad range of disciplines, including big data, health care, medicine, mathematics, mechanical and systems engineering, air traffic control and finance. The book's interdisciplinary character allows readers to identify transferable and mutually exclusive lessons learned among these disciplines and beyond. As such, it is well suited to the transfer of applications and methodologies between ostensibly incompatible disciplines. This book provides fresh perspectives on comparable issues of complexity from the top minds on systems thinking.

Product Lifecycle Management to Support Industry 4.0

This volume provides an overview of current work in software engineering techniques that can enhance the quality of software. The chapters of this volume, organized by key topic area, create an agenda for the IFIP Working Conference on Software Engineering Techniques, SET 2006. The seven sections of the volume address the following areas: software architectures, modeling, project management, software quality, analysis and verification methods, data management, and software maintenance.

Transdisciplinary Perspectives on Complex Systems

This book explores the use of the internet by (non-Islamic) extremist groups, drawing together research by scholars across the social sciences and humanities. It offers a broad overview of the best of research in this area, including research contributions that address far-right, (non-Islamic) religious, animal rights, and nationalist violence online, as well as a discussion of the policy and research challenges posed by these unique and disparate groups. It offers an academically rigorous, introductory text that addresses extremism online, making it a valuable resource for students, practitioners and academics seeking to understand the unique characteristics such risks present.

Software Engineering Techniques: Design for Quality

A lucid statement of the philosophy of modular programming can be found in a 1970 textbook on the design of system programs by Gouthier and Pont [1, l Cfl0. 23], which we quote below: A well-defined segmentation of the project effort ensures system modularity. Each task fonos a separate, distinct program module. At implementation time each module and its inputs and outputs are well-defined, there is no confusion in the intended interface with other system modules. At checkout time the in tegrity of the module is tested independently; there are few sche duling problems in synchronizing the completion of several tasks before checkout can begin. Finally, the system is maintained in modular fashion; system errors and deficiencies can be traced to specific system modules, thus limiting the scope of detailed error searching. Usually nothing is said about the criteria to be used in dividing the system into modules. This paper will discuss that issue and, by means of examples, suggest some criteria which can be used in decomposing a system into modules. A Brief Status Report The major advancement in the area of modular programming has been the development of coding techniques and assemblers which (1) allow one modu1e to be written with little knowledge of the code in another module, and (2) alJow modules to be reas sembled and replaced without reassembly of the whole system.

Avionics Certification

This open access book reports on methods and technologies to describe, evaluate and control uncertainty in mechanical engineering applications. It brings together contributions by engineers, mathematicians and legal experts, offering a multidisciplinary perspective on the main issues affecting uncertainty throughout the complete system lifetime, which includes process and product planning, development, production and usage. The book is based on the proceedings of the 4th International Conference on Uncertainty in Mechanical Engineering (ICUME 2021), organized by the Collaborative Research Center (CRC) 805 of the TU Darmstadt, and held online on June 7–8, 2021. All in all, it offers a timely resource for researchers, graduate students and practitioners in the field of mechanical engineering, production engineering and engineering optimization.

Digital Extremisms

This book addresses main issues concerned with the future learning, learning and academic analytics, virtual world and smart user interface, and mobile learning. This book gathers the newest research results of smart learning environments from the aspects of learning, pedagogies, and technologies in

learning. It examines the advances in technology development and changes in the field of education that has been affecting and reshaping the learning environment. Then, it proposes that under the changed technological situations, smart learning systems, no matter what platforms (i.e., personal computers, smart phones, and tablets) they are running at, should be aware of the preferences and needs that their users (i.e., the learners and teachers) have, be capable of providing their users with the most appropriate services, helps to enhance the users' learning experiences, and to make the learning efficient.

Software Pioneers

Model-Driven Software Development (MDSD) is currently a highlyregarded development paradigm among developers and researchers.With the advent of OMG's MDA and Microsoft's Software Factories,the MDSD approach has moved to the centre of the programmer'sattention, becoming the focus of conferences such as OOPSLA, JAOOand OOP. MDSD is about using domain-specific languages to create models thatexpress application structure or behaviour in an efficient anddomain-specific way. These models are subsequently transformed intoexecutable code by a sequence of model transformations. This practical guide for software architects and developers ispeppered with practical examples and extensive case studies.International experts deliver: * A comprehensive overview of MDSD and how it relates to industrystandards such as MDA and Software Factories. * Technical details on meta modeling, DSL construction,model-to-model and model-to-code transformations, and softwarearchitecture. * Invaluable insight into the software development process, plusengineering issues such as versioning, testing and product lineengineering. * Essential management knowledge covering economic andorganizational topics, from a global perspective. Get started and benefit from some practical support along the way!

Uncertainty in Mechanical Engineering

The movement toward greater openness represents a change of philosophy, ethos, and government and a set of interrelated and complex changes that transform markets altering the modes of production and consumption, ushering in a new era based on the values of openness: an ethic of sharing and peer-to-peer collaboration enabled through new architectures of participation. These changes indicate a broader shift from the underlying industrial mode of production—a “productionist” metaphysics—to a postindustrial mode of consumption as use, reuse, and modification where new logics of social media structure different patterns of cultural consumption and symbolic analysis becomes a habitual and daily creative activity. The economics of openness constructs a new language of “presuming” and “produsage” in order to capture the open participation, collective co-creativity, communal evaluation, and commons-based production of social and public goods. Information is the vital element in the “new” politics and economy that links space, knowledge, and capital in networked practices and freedom is the essential ingredient in this equation if these network practices are to develop or transform themselves into 'knowledge cultures'. The Virtues of Openness investigates the social processes and policies that foster openness as an overriding educational value evidenced in the growth of open source, open access, and open education and their convergences that characterize global knowledge communities. The book argues that openness seems also to suggest political transparency and the norms of open inquiry, indeed, even democracy itself as both the basis of the logic of inquiry and the dissemination of its results. The Virtues of Openness examines the complex history of the concept of the open society before beginning a systematic investigation of openness in relation to the book, the “open text” and the written word. These changes are discussed in relation to the development of new open spaces of scholarship with their impact upon open journal systems, open peer review, open science, and the open global digital economy.

Smart Learning Environments

Create, execute, modify, and share machine learning applications with Python and TensorFlow 2.0 in the Jupyter Notebook environment. This book breaks down any barriers to programming machine learning applications through the use of Jupyter Notebook instead of a text editor or a regular IDE. You’ll start by learning how to use Jupyter Notebooks to improve the way you program with Python. After getting a good grounding in working with Python in Jupyter Notebooks, you’ll dive into what TensorFlow is, how it helps machine learning enthusiasts, and how to tackle the challenges it presents. Along the way, sample programs created using Jupyter Notebooks allow you to apply concepts from earlier in the book. Those who are new to machine learning can dive in with these easy programs and develop basic

skills. A glossary at the end of the book provides common machine learning and Python keywords and definitions to make learning even easier. What You Will Learn Program in Python and TensorFlow Tackle basic machine learning obstacles Develop in the Jupyter Notebooks environment Who This Book Is For Ideal for Machine Learning and Deep Learning enthusiasts who are interested in programming with Python using Tensorflow 2.0 in the Jupyter Notebook Application. Some basic knowledge of Machine Learning concepts and Python Programming (using Python version 3) is helpful.

Model-Driven Software Development

Digital Twin Driven Smart Manufacturing examines the background, latest research, and application models for digital twin technology, and shows how it can be central to a smart manufacturing process. The interest in digital twin in manufacturing is driven by a need for excellent product reliability, and an overall trend towards intelligent, and connected manufacturing systems. This book provides an ideal entry point to this subject for readers in industry and academia, as it answers the questions: (a) What is a digital twin? (b) How to construct a digital twin? (c) How to use a digital twin to improve manufacturing efficiency? (d) What are the essential activities in the implementation of a digital twin? (e) What are the most important obstacles to overcome for the successful deployment of a digital twin? (f) What are the relations between digital twin and New Technologies? (g) How to combine digital twin with the New Technologies to achieve high efficiency and smartness in manufacturing? This book focuses on these problems as it aims to help readers make the best use of digital twin technology towards smart manufacturing. Analyzes the differences, synergies and possibilities for integration between digital twin technology and other technologies, such as big data, service and Internet of Things Discuss new requirements for a traditional three-dimension digital twin and proposes a methodology for a five-dimension version Investigates new models for optimized manufacturing, prognostics and health management, and cyber-physical fusion based on the digital twin

Virtues of Openness

This book offers a comprehensive consideration of the problem of linking the law of new technologies to the work of a lawyer. The authors describe the development of technology and the tendency of technology to enter the domain that until recently was reserved only for lawyers. Today, information systems can not only support the work of the lawyer, but also replace it. In this book, legal issues are weaved with technical issues that have a significant impact on the understanding of the law, but also enable the understanding of processes (including IT) that have a significant impact on the law. The authors also pay attention to the cross-border nature and related issues.

Machine Learning Concepts with Python and the Jupyter Notebook Environment

Computer Architecture/Software Engineering

Digital Twin Driven Smart Manufacturing

This book examines reference modeling from different perspectives. It discusses reference modeling languages that provide special modeling language concepts for the development and application of reference models. The book also covers reference modeling methodologies, which additionally provide procedure models for the construction and application of reference models, as well as particular reference models.

Legal Tech

This proceedings book presents selected peer-reviewed papers from the 9th International Workshop on ‘Service Oriented, Holonic and Multi-agent Manufacturing Systems for the Industry of the Future’ organized by Universitat Politècnica de València, Spain, and held on October 3–4, 2019. The SOHOMA 2019 Workshop aimed to foster innovation in the digital transformation of manufacturing and logistics by promoting new concepts and methods and solutions through service orientation in holonic and agent-based control with distributed intelligence. The book provides insights into the theme of the SOHOMA’19 Workshop – ‘Smart anything everywhere – the vertical and horizontal manufacturing integration, ’ addressing ‘Industry of the Future’ (IoF), a term used to describe the 4th industrial revolution initiated by a new generation of adaptive, fully connected, analytical and highly efficient robotized manufacturing systems. This global IoF model describes a new stage of manufacturing, that is fully automatized and uses advanced information, communication and control technologies

such as industrial IoT, cyber-physical production systems, cloud manufacturing, resource virtualization, product intelligence, and digital twin, edge and fog computing. It presents the IoF interconnection of distributed manufacturing entities using a ‘system-of-systems’ approach, discussing new types of highly interconnected and self-organizing production resources in the entire value chain; and new types of intelligent decision-making support based on from real-time production data collected from resources, products and machine learning processing. This book is intended for researchers and engineers working in the manufacturing value chain, and specialists developing computer-based control and robotics solutions for the ‘Industry of the Future’. It is also a valuable resource for master’s and Ph.D. students in engineering sciences programs.

Generating Software from Specifications

Embedded systems have long become essential in application areas in which human control is impossible or infeasible. The development of modern embedded systems is becoming increasingly difficult and challenging because of their overall system complexity, their tighter and cross-functional integration, the increasing requirements concerning safety and real-time behavior, and the need to reduce development and operation costs. This book provides a comprehensive overview of the Software Platform Embedded Systems (SPES) modeling framework and demonstrates its applicability in embedded system development in various industry domains such as automation, automotive, avionics, energy, and healthcare. In SPES 2020, twenty-one partners from academia and industry have joined forces in order to develop and evaluate in different industrial domains a modeling framework that reflects the current state of the art in embedded systems engineering. The content of this book is structured in four parts. Part I “Starting Point” discusses the status quo of embedded systems development and model-based engineering, and summarizes the key requirements faced when developing embedded systems in different application domains. Part II “The SPES Modeling Framework” describes the SPES modeling framework. Part III “Application and Evaluation of the SPES Modeling Framework” reports on the validation steps taken to ensure that the framework met the requirements discussed in Part I. Finally, Part IV “Impact of the SPES Modeling Framework” summarizes the results achieved and provides an outlook on future work. The book is mainly aimed at professionals and practitioners who deal with the development of embedded systems on a daily basis. Researchers in academia and industry may use it as a compendium for the requirements and state-of-the-art solution concepts for embedded systems development.

Reference Modeling

This very popular series gives teachers practical advice and guidance, together with resource ideas and materials for the classroom.

Office of Educational Research and Improvement

"This book attends to the most essential, lucrative, and overlooked business activity of early modern Europe: the trade of paper. Despite the well-known fact that paper was crucial to the success of printing and record-keeping alike, paper remains one of the least studied areas of early modern history. Organised into three sections, 'Hotspots and Trade Routes', 'Usual Dealings', and 'Recycling Economies', the chapters in the collection shed light on the practices, materials, and networks of the paper trade. Altogether, the collection uncovers the actors involved in the networks of paper production, transportation, purchase, and reuse, between the thirteenth and nineteenth centuries and across the central and peripheral papermaking regions of Europe"--4e de couv.

Service Oriented, Holonic and Multi-agent Manufacturing Systems for Industry of the Future

This thoroughly updated Second Edition of Clinical Laboratory Medicine provides the most complete, current, and clinically oriented information in the field. The text features over 70 chapters--seven new to this edition, including medical laboratory ethics, point-of-care testing, bone marrow transplantation, and specimen testing--providing comprehensive coverage of contemporary laboratory medicine. Sections on molecular diagnostics, cytogenetics, and laboratory management plus the emphasis on interpretation and clinical significance of laboratory tests (why a test or series of tests is being done and what the results mean for the patient) make this a valuable resource for practicing pathologists, residents, fellows, and laboratorians. Includes over 800 illustrations, 353 in full color and 270 new to this edition. Includes a Self-Assessment and Review book.

Model-Based Engineering of Embedded Systems

Career Express Level C1 Teacher's Book Career Express Business English C1 is the second part of a two-level multimedia course, for students on a Business English language course at university level. Reading -The texts focus on the most interesting topics from the world of business. They provide the springboard for a discussion of contemporary business issues. Listening -Realistic conversations, presentations and lectures expose you to a variety of native and non-native speaker accents and help you to develop core listening comprehension skills. Business Skills -This section introduces you to the skills most needed in business, such as taking part in meetings, using diplomacy at work, describing charts and presenting products. Discussion and Role-Play -These features give you the opportunity to pick up on issues raised in the reading and listening sections, and to practise functional language. Company Case -These task-based case studies have been inspired by real business scenarios. They require you to work in teams, find strategic solutions to real-life problems and present them to the class. Audio CDs -Complete recordings for all the listening activities in the Course Book. Career Express Self Study Online -This website offers an abundance of additional material: Electronic Workbook with interactive practice exercises to consolidate vocabulary, grammar, reading and skills Self-assessment tests for each unit Tailor-made videos with interactive exercises The complete Course Book listening material as MP3 downloads

Project Work Second Edition - Resource Books for Teachers

The globalization of markets has reinforced the interest in logistics. A constantly raising level of competition among companies stresses the need for improved logistic processes, in terms of cost reduction and increased service level. The book covers the main problems of distribution logistics: network design and location problems, tactical and operational planning of transport, internal logistics, and inventory management. The book contains a rigorous methodological approach with an emphasis on practical problems. Two survey papers provide references and open problems.

The Paper Trade in Early Modern Europe

In this volume, Ting-Toomey and Oetzel accomplish two objectives: to explain the culture-based situational conflict model, including the relationship among conflict, ethnicity, and culture; and, second, integrate theory and practice in the discussion of interpersonal conflict in culture, ethnic, and gender contexts. While the book is theoretically directed, it is also a down-to-earth practical book that contains ample examples, conflict dialogues, and critical incidents. Managing Intercultural Conflict Effectively helps to illustrate the complexity of intercultural conflict interactions and readers will gain a broad yet integrative perspective in assessing intercultural conflict situations. The book is a multidisciplinary text that draws from the research work of a variety of disciplines such as cross-cultural psychology, social psychology, sociology, marital and family studies, international management, and communication.

Clinical Laboratory Medicine

The authors of this Handbook offer a comprehensive overview of the various aspects of energy storage. After explaining the importance and role of energy storage, they discuss the need for energy storage solutions with regard to providing electrical power, heat and fuel in light of the Energy Transition. The book’s main section presents various storage technologies in detail and weighs their respective advantages and disadvantages. Sections on sample practical applications and the integration of storage solutions across all energy sectors round out the book. A wealth of graphics and examples illustrate the broad field of energy storage, and are also available online. The book is based on the 2nd edition of the very successful German book Energiespeicher. It features a new chapter on legal considerations, new studies on storage needs, addresses Power-to-X for the chemical industry, new Liquid Organic Hydrogen Carriers (LOHC) and potential-energy storage, and highlights the latest cost trends and battery applications. “Finally – a comprehensive book on the Energy Transition that is written in a style accessible to and inspiring for non-experts.” Franz Alt, journalist and book author “I can recommend this outstanding book to anyone who is truly interested in the future of our country. It strikingly shows: it won’t be easy, but we can do it.” Prof. Dr. Harald Lesch, physicist and television host

Career Express: Business English C1

When teachers are supported to work together in ways that allow them to deepen knowledge of their professional practice, the understandings that emerge from their conversations about quality learning

and teaching demonstrate a high level of expertise. Yet such professional knowledge is often deeply embedded within each teacher's everyday teaching; the tacit knowledge that determines how and why they attend to student learning in certain ways. This book captures the professional knowledge of teachers that developed as the result of an ongoing process of school based change, where teachers began to work differently because they began to think differently about the learning that mattered for their students in their school. The explication of their knowledge of practice became possible due to the ongoing support they received from their school leadership - in most part because leadership trusted them as professionals to responsibly lead student learning. Within this culture of trust and valued collaboration, working alongside external critical friends who supported their professional learning, the teachers engaged in regular, thought provoking and interactive professional dialogue. Together they exposed and challenged each other's thinking and beliefs about learning and teaching, captured and examined each other's practice and, ultimately articulated and extended their professional knowledge. The insights about this collaborative learning process and the emergent knowledge and understandings teachers develop about the interactive relationship between learning and teaching, has much to contribute to educational discourse beyond the school setting. Some of that knowledge and the way it looks in practice is shared in this book.

Sat2000

Who shapes our cities? In an age of increasing urban pluralism, globalization and immigration, decreasing public budgets, and an ongoing crisis of authority among designers and planners, the urban environment is shaped by a number of non-traditional stakeholders. The book surveys the kaleidoscope of views on the agency of urbanism, providing an overview of the various scholarly debates and territories that pertain to bottom-up efforts such as everyday urbanism, DIY urbanism, guerilla urbanism, tactical urbanism, and lean urbanism. Uniquely, this books seeks connections between the various movements by curating a range of views on the past, present, and future of bottom-up urbanism. The contributors also connect the recent trend of bottom-up efforts in the West with urban informality in the Global South, drawing parallels and finding contrast between social and institutional structures across the globe. The book appeals to urbanists in the widest sense of the word: those who shape, study, and improve our urban spaces.

New Trends in Distribution Logistics

This book explores the Business Process Management cycle in theory and practice, from the technical as well as the business point of view. Both the ARIS Platform and the methodical approach of ARIS Value Engineering (AVE) are referred to in detail. More than half of the articles are case studies. The book offers valuable ideas to companies on how to optimize their own business processes and thus become more competitive.

Managing Intercultural Conflict Effectively

This groundbreaking collection explores the convergence of the spatial and digital turns through a suite of smartphone apps (Hidden Cities) that present research-led itineraries in early modern cities as public history. The Hidden Cities apps have expanded from an initial case example of Renaissance Florence to a further five historic European cities. This collection considers how the medium structures new methodologies for site-based historical research, while also providing a platform for public history experiences that go beyond typical heritage priorities. It also presents guidelines for user experience design that reconciles the interests of researchers and end users. A central section of the volume presents the underpinning original scholarship that shapes the locative app trails, illustrating how historical research can be translated into public-facing work. The final section examines how history, delivered in the format of geolocated apps, offers new opportunities for collaboration and innovation: from the creation of museums without walls, connecting objects in collections to their original settings, to informing decision-making in city tourism management. Hidden Cities is a valuable resource for upper-level undergraduates, postgraduates, and scholars across a variety of disciplines including urban history, public history, museum studies, art and architecture, and digital humanities. The Open Access version of this book, available at www.taylorfrancis.com, has been made available under a Creative Commons Attribution-Non Commercial-No Derivatives 4.0 license.

Handbook of Energy Storage

In a world of soaring digitization, social media, financial transactions, and production and logistics processes constantly produce massive data. Employing analytical tools to extract insights and foresights from data improves the quality, speed, and reliability of solutions to highly intertwined issues faced in supply chain operations. From procurement in Industry 4.0 to sustainable consumption behavior to curriculum development for data scientists, this book offers a wide array of techniques and theories of Big Data Analytics applied to Supply Chain Management. It offers a comprehensive overview and forms a new synthesis by bringing together seemingly divergent fields of research. Intended for Engineering and Business students, scholars, and professionals, this book is a collection of state-of-the-art research and best practices to spur discussion about and extend the cumulant knowledge of emerging supply chain problems.

Quality Learning

It’s time to extend the benefits of Scrum—greater agility, higher-quality products, and lower costs—from individual teams to your entire enterprise. However, with Scrum’s lack of prescribed rules, the friction of change can be challenging as people struggle to break from old project management habits. In this book, agile-process revolution leader Ken Schwaber takes you through change management—for your organizational and interpersonal processes—explaining how to successfully adopt Scrum across your entire organization. A cofounder of Scrum, Ken draws from decades of experience, answering your questions through case studies of proven practices and processes. With them, you’ll learn how to adopt—and adapt—Scrum in the enterprise. And gain profound levels of transparency into your development processes. Discover how to: Evaluate the benefits of adopting Scrum in any size organization Initiate an enterprise transition project Implement a single, prioritized Product Backlog Organize effective Scrum teams using a top-down approach Adapt and apply solutions for integrating engineering practices across multiple teams Shorten release times by managing high-value increments Refine your Scrum practices and help reduce the length of Sprints

The Palgrave Handbook of Bottom-Up Urbanism

See how SAP HANA has changed ABAP Whether you're studying for certification or just want to see what's new, you can learn to design simple and advanced SAP HANA applications with ABAP by using this comprehensive guide. Learn to enable code pushdown, use new Open SQL enhancements and CDS views, and integrate native SAP HANA objects. Use detailed programming examples to develop database procedures and optimize your applications. You'll be programming for SAP HANA in no time Basic Principles Explore essential SAP HANA principles like in-memory technology and architecture, the SAP Web IDE, and AS ABAP database programming. Advanced Techniques Learn to use tools like InfoProviders, EasyQuery Interface, and the Application Function Modeler for SAP HANA. Discover how to integrate geographical data from SAP HANA in ABAP programs. Optimizing Existing Applications Get step-by-step instructions to help you optimize existing ABAP applications, and learn how to speed up applications with SAP HANA. Highlights: Code pushdown SAP Web IDE Eclipse CDS views SQLScript Native SAP HANA object integration Open SQL enhancements Geo-information Text searches Error analysis

Agility by ARIS Business Process Management

Hidden Cities