These proceedings are aimed at researchers, industry / market operators and students from different backgrounds (scientific, engineering and humanistic) whose work is either focused on or affined to Location Based Services (LBS). It contributes to the following areas: positioning / indoor positioning, smart environments and spatial intelligence, spatiotemporal data acquisition, processing, and analysis, data mining and knowledge discovery, personalization and context-aware adaptation, LBS visualization techniques, novel user interfaces and interaction techniques, smart phone navigation and LBS techniques, three-dimensional visualization in the LBS context, augmented reality in an LBS context, innovative LBS systems and applications, way finding /navigation ( indoor/outdoor), indoor navigation databases, user studies and evaluations, privacy issues in LBS, usability issues in LBS, legal and business aspects of LBS, LBS and Web 2.0, open source solutions and standards, ubiquitous computing, smart cities and seamless positioning.

Adobe Captivate Prime is an enterprise LMS platform that enables you to deliver world-class e-learning solutions. This book helps you unlock the full potential of this platform to help you publish content online, ensure that the right student accesses the content, track student progress, and evaluate the course's effectiveness and ROI.

Instrument Engineers' Handbook, Third Edition: Volume Three: Process Software and Digital Networks provides an in-depth, state-of-the-art review of existing and evolving digital communications and control systems. While the book highlights the transportation of digital information by buses and networks, the total coverage doesn't stop there. It describes

This document brings together a set of latest data points and publicly available information relevant for Platforms & Applications. We are very excited to share this content and believe that readers will benefit immensely from this periodic publication immensely.
The Code of Federal Regulations is the codification of the general and permanent rules published in the Federal Register by the executive departments and agencies of the Federal Government.

Information technology has had a profound effect on almost every aspect of our lives including the way we purchase products, communicate with others, receive health care services, and deliver education and training. It has also had a major impact on human resource management (HR) processes, and it has transformed the way that we recruit, select, motivate, and retain employees (Gueutal & Stone, 2005; Kavanagh, Thite, & Johnson, 2015). For example, some estimates indicated that 100% of large organizations now use web-based recruiting (Sierra-Cedar, 2016-2017), and over half of the training conducted in America is delivered using technology-based methods (American Society for Training and Development, 2015). Results of a survey by the Society for Human Resource Management (SHRM) (2002) revealed that technology is one of the major drivers of change in today’s HR departments. In spite of the increased use of technology in the field of HR, relatively little research has examined the acceptance and effectiveness of electronic human resource management (eHRM) methods. As a consequence, practitioners are implementing these new systems without the benefit of research. Thus, the primary purpose of this issue is to review the results of research on a number of important eHRM practices including e-recruitment, e-selection, gamification, e-socialization, e-learning, and e-performance management. It also considers how technology can be used to manage task-based contingent workers, and examines the problems associated with cyberdeviance in organizations. The chapters in this series should be extremely beneficial for HR researchers and practitioners who are employing these new systems.

Running a productive agriculture system has always been about having the right tools and the know-how to pursue optimization and efficiency. In the 21st century, the case can be made that the agriculturist’s most important tool is not the cultivator, but the computer. While you still need to know how to adapt to the day-to-day challenges of land an

This book constitutes the refereed proceedings of the 9th International RuleML Symposium, RuleML 2015, held in Berlin, Germany, in August 2015. The 25 full papers, 4 short papers, 2 full keynote papers, 2 invited research track overview papers, 1 invited paper, 1 invited abstracts presented were carefully reviewed and selected from 63 submissions. The papers cover the following topics: general RuleML track; complex event processing track, existential rules and datalog+-/- track; legal rules and reasoning track; rule learning track; industry track.

Virtual platforms are finding widespread use in both pre- and post-silicon computer software and system development. They reduce time to market, improve system quality, make development more efficient, and enable truly concurrent hardware/software design and bring-up. Virtual platforms increase productivity with unparalleled inspection, configuration, and injection capabilities. In combination with other types of simulators, they provide full-system simulations where computer systems can be tested together with the environment in which they operate. This book is not only about what simulation is and why it is important, it will also cover the methods of building and using simulators for computer-based systems. Inside you’ll find a comprehensive book about simulation best practice and design patterns, using Simics as its base along with real-life examples to get the most out of your Simics implementation. You’ll learn about: Simics architecture, model-driven development, virtual platform modelling, networking, contiguous integration, debugging, reverse execution, simulator integration, workflow optimization, tool automation, and much more. Distills decades of experience in using and building virtual platforms to help readers realize the full potential of virtual platform simulation Covers modeling related use-cases including devices, systems, extensions, and fault injection Explains how simulations can influence software
development, debugging, system configuration, networking, and more. Discusses how to build complete full-system simulation systems from a mix of simulators.

This book contains a range of keynote papers and submitted papers presented at the 7th IFIP WG 9.2, 9.5, 9.6/11.7, 11.4, 11.6 International Summer School, held in Nijmegen, The Netherlands, in June 2013. The 13 revised full papers and 6 keynote papers included in this volume were carefully selected from a total of 30 presentations and 11 keynote talks and were subject to a two-step review process. The keynote papers cover the dramatic global changes, including legislative developments that society is facing today. Privacy and identity management are explored in specific settings, such as the corporate context, civic society, and education and using particular technologies such as cloud computing. The regular papers examine the challenges to privacy, security and identity; ways of preserving privacy; identity and identity management and the particular challenges presented by social media.

Building Information Modeling (BIM) is the process of generating and managing building data during a building's lifecycle. Today, more and more architectural firms have adopted BIM software and processes because it allows them to produce measurably more work of better quality, in shorter periods of time. Featuring case studies of firms of all sizes, this practical resource shows professionals how to implement BIM in the building industry around the globe. The book explains how BIM allows the data collected to plan, design and build projects to continue to be used and added to during the occupied life of the building. Readers also become knowledgeable about the changing role of architects within the building industry as they embed BIM in their workflow. From interoperability and open standards, knowledge sharing, and gathering data, to the BIM software suite, implementation planning, and project workflow, this authoritative volume provides a thorough understanding of key aspects of BIM that practitioners need to understand.


This book constitutes the proceedings of the 9th International Conference on Health Information Science, HIS 2020, which took place in Amsterdam, The Netherlands, during October 20-23, 2020. The 11 full papers and 6 short papers presented in this volume were carefully reviewed and selected from 62 submissions. They were organized in topical sections named: mental health; medical record processing; medical information systems; medical diagnosis with machine learning; and health behavior and medication.

Today, a hurricane is forming, and businesses are headed straight into it. This hurricane is arising from the convergence of several enormous trends in information technology, including cloud, mobility, Software as a Service, and Big Data. In Inflection Point, Scott Stawski shows how to harness these fierce winds of change, put them at your back, and sail towards greater competitiveness and customer value. Stawski explains the strategic implications of today's new technology paradigms, helping you reshape strategy to embrace and profit from them. You'll discover how technology and other factors are driving a radical new round of disintermediation, reintermediation, and disruption—and what that means to you and your company. Stawski shows how to go beyond inadequate incremental improvements, dramatically reducing IT spend and virtually eliminating IT capital expenditures. One meaningful step at a time, you’ll learn how to transform Operational IT into both a utility and a true business enabler, bringing new speed, flexibility, and focus to what really matters: your true core competencies. BUILD A CONTINUAL TRANSFORMATION ENVIRONMENT THAT’S READY FOR ANYTHING Focus on high-value core competencies, not fixed assets or unchanging processes CONSUME IT THE WAY YOU CONSUME ELECTRICITY Stop running data centers, buying software, and managing applications—forever!
LEVERAGE THE CLOUD’S SIMPLICITY WITHOUT LOSING CONTROL OR SECURITY Use standards and governance to maximize cloud benefits with minimal risk HARNESS THE PRECIOUS ASSET YOU MUST ALWAYS KEEP CLOSE: DATA Build data-centric operations to deliver the right knowledge, right now, wherever it’s needed

The three-volume set LNCS 10288, 10289, and 10290 constitutes the proceedings of the 6th International Conference on Design, User Experience, and Usability, DUXU 2017, held as part of the 19th International Conference on Human-Computer Interaction, HCII 2017, in Vancouver, BC, Canada, in July 2017, jointly with 14 other thematically similar conferences. The total of 1228 papers presented at the HCII 2017 conferences were carefully reviewed and selected from 4340 submissions. These papers address the latest research and development efforts and highlight the human aspects of design and use of computing systems. The papers accepted for presentation thoroughly cover the entire field of Human-Computer Interaction, addressing major advances in knowledge and effective use of computers in a variety of application areas. The total of 168 contributions included in the DUXU proceedings were carefully reviewed and selected for inclusion in this three-volume set. LNCS 10288: The 56 papers included in this volume are organized in topical sections on design thinking and design philosophy; aesthetics and perception in design; user experience evaluation methods and tools; user centered design in the software development lifecycle; DUXU education and training. LNCS 10289: The 56 papers included in this volume are organized in topical sections on persuasive and emotional design; mobile DUXU; designing the playing experience; designing the virtual, augmented and tangible experience; wearables and fashion technology. LNCS 10290: The 56 papers included in this volume are organized in topical sections on information design; understanding the user; DUXU for children and young users; DUXU for art, culture, tourism and environment; DUXU practice and case studies.

This two volume set (CCIS 623 and 634) constitutes the refereed proceedings of the Second International Conference of Young Computer Scientists, Engineers and Educators, ICYCSEE 2016, held in Harbin, China, in August 2016. The 91 revised full papers presented were carefully reviewed and selected from 338 submissions. The papers are organized in topical sections on Research Track (Part I) and Education Track, Industry Track, and Demo Track (Part II) and cover a wide range of topics related to social computing, social media, social network analysis, social modeling, social recommendation, machine learning, data mining.

This book constitutes the refereed proceedings of 4 international workshops held in conjunction with the 14th Asia-Pacific Web Conference, APWeb 2012, in Kunming, China, in April 2012 (see LNCS 7235). The 29 revised full papers presented were carefully reviewed and selected for presentation at the following 4 workshops: the 1st workshop on sensor networks and data engineering (SenDe 2012), the 1st international workshop on intelligent data processing (IDP 2012), the 1st international workshop on information extraction and knowledge base building (IEKB 2012), and the 3rd international workshop on mobile business collaboration (MBC 2012).

Offers a treatment of modern applications of modelling and simulation in crop, livestock, forage/livestock systems, and field operations. The book discusses methodologies from linear programming and neural networks, to expert or decision support systems, as well as featuring models, such as SOYGRO, CROPGRO and GOSSYM/COMAX. It includes coverage on evaporation and evapotranspiration, the theory of simulation based on biological processes, and deficit irrigation scheduling.

Exploring the Cloud Computing (CC) commercial landscape as it matures; this book asserts that the key ingredient in sustaining the Software as a Service (SaaS) business model is subscription renewal. Chronicling the evolution and future trajectory of the CC concept, the authors examine the new paradigm it is creating for the distribution of computer software applications among business-to-business
(B2B) clients. CC enabled SaaS has been fundamentally changing the revenue expectations and business model for the application software industry, and impacting on how SaaS providers pursue, acquire and retain B2B clients. Securing SaaS subscription renewal is critical to the survival and prosperity of this business as attrition can have a significant impact on the financial viability of SaaS businesses based on this model. Focusing on the B2B client and the SaaS industry dependency on renewal subscriptions delivered through the CC channel, the primary research presented in this book seeks to examine the key drivers behind the B2B SaaS subscription renewal decision and, in doing so, to explore the recurring revenue framework for the Cloud SaaS business.

This book constitutes the refereed proceedings of the 8th International Conference on Active Media Technology, AMT 2012, held in Macau, China, in December 2012. The 65 revised full papers were carefully reviewed and selected from a numerous submissions. The papers are organized in topical sections on awareness multi-agent systems, data mining, ontology mining, web reasoning, social applications of active media, human-centered computing, personalization and adaptation, smart digital art and e-learning.

Digital-era technologies lead organizations to become technology takers, the equivalent of economic "price takers." To be a technology taker is to assent to the behavior transforming benefits of modern technologies. This playbook offers technology takers tactics to manage change, create value, and exploit the digital era’s strategic opportunities.

The technological developments as well as urban future of an information age where the development of ICT sets the pace and options is explored in this book. The text examines the current state of daily travelling, and highlights the achievable impact and acceptability of transport policy measures. Freight transport is discussed from an industry viewpoint. In addition, the text presents various innovative approaches to rearranging current freight transport networks. Methods to evaluate the societal consensus related to the spatial development - linked to transport infrastructures - are also described. Still further, the text discusses methods for assessing spatial planning policies.

Poorly performing enterprise applications are the weakest links in a corporation's management chain, causing delays and disruptions of critical business functions. This groundbreaking book frames enterprise application performance engineering not as an art but as applied science built on model-based methodological foundation. The book introduces queuing models of enterprise application that visualize, demystify, explain, and solve system performance issues. Analysis of these models will help to discover and clarify unapparent connections and correlations among workloads, hardware architecture, and software parameters.

Even if you aren't a networking professional, Upgrading and Repairing Networks explains those tough networking concepts in a way that won't make you reach for a bottle of aspirin. Now in its fourth edition, this industry classic networking reference spills the guts on confusing networking architectures and protocols, and helps you track down and repair networking bugaboos that are costing you and/or your company money - right now. Don't be the only networking professional caught in a network meltdown without a copy of this trusty tome at your side. The CD contains a host of invaluable tools to help troubleshoot and repair a network, in addition to a virtual library of networking and PC troubleshooting and repair books from Que!

The Office of the Under Secretary of Defense (Personnel & Readiness), referred to throughout this report as P&R, is responsible for the total force management of all Department of Defense (DoD) components including the recruitment, readiness, and retention of personnel. Its work and policies are supported by a number of organizations both within DoD, including the Defense Manpower Data Center (DMDC),
and externally, including the federally funded research and development centers (FFRDCs) that work for DoD. P&R must be able to answer questions for the Secretary of Defense such as how to recruit people with an aptitude for and interest in various specialties and along particular career tracks and how to assess on an ongoing basis service members' career satisfaction and their ability to meet new challenges. P&R must also address larger-scale questions, such as how the current realignment of forces to the Asia-Pacific area and other regions will affect recruitment, readiness, and retention. While DoD makes use of large-scale data and mathematical analysis in intelligence, surveillance, reconnaissance, and elsewhere—exploiting techniques such as complex network analysis, machine learning, streaming social media analysis, and anomaly detection—these skills and capabilities have not been applied as well to the personnel and readiness enterprise. Strengthening Data Science Methods for Department of Defense Personnel and Readiness Missions offers a roadmap and implementation plan for the integration of data analysis in support of decisions within the purview of P&R.

Summary

Activiti in Action is a comprehensive tutorial designed to introduce developers to the world of business process modeling using Activiti. Before diving into the nuts and bolts of Activiti, this book presents a solid introduction to BPMN 2.0 from a developer's perspective. About the Technology

Activiti streamlines the implementation of your business processes: with Activiti Designer you draw your business process using BPMN. Its XML output goes to the Activiti Engine which then creates the web forms and performs the communications that implement your process. It's as simple as that. Activiti is lightweight, integrates seamlessly with standard frameworks, and includes easy-to-use design and management tools. About the Book

Activiti in Action introduces developers to business process modeling with Activiti. You'll start by exploring BPMN 2.0 from a developer's perspective. Then, you'll quickly move to examples that show you how to implement processes with Activiti. You'll dive into key areas of process modeling, including workflow, ESB usage, process monitoring, event handling, business rule engines, and document management integration. Written for business application developers. Familiarity with Java and BPMN is helpful but not required. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. What's Inside

Activiti from the ground up

Dozens of real-world examples

Integrate with standard Java tooling

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Implementing a BPMN 2.0 process Applying advanced BPMN 2.0 and extensions Dealing with error handling Deploying and configuring the Activiti Engine Exploring additional Activiti modules PART 3 ENHANCING BPMN 2.0 PROCESSES Implementing advanced workflow Integrating services with a BPMN 2.0 process Ruling the business rule engine Document management using Alfresco Business monitoring and Activiti PART 4 MANAGING BPMN 2.0 PROCESSES? Managing the Activiti Engine

Written in a Cookbook style, it's packed with logically-sequenced recipes to gain deeper understanding of the software. Each recipe contains step-by-step instructions followed by analysis of what was done in each task and other useful information. The book is designed so that you can read it chapter by chapter, or you can look at the list of recipes and refer to them in no particular order. If you are new to editing with Avid, this book will help you get the most out of Avid Media Composer right from the start. Even if you are intermediately experienced with Avid, you will discover new methods and gain a deeper understanding to take your Avid experience to the next level, with greater confidence.

Conquer Windows Server 2012 R2 virtualization--from the inside out! Dive into Windows Server 2012 R2 virtualization--and really put your systems expertise to

In business, the fundamental criteria for determining the rationality of decisions usually are specific economic measures such as return on investment, market share, profits, sales, and margin. Yet despite usage of modern management tools or state of the art practices, several corporations have not emerged out of the woods in difficult economic downturns. Economic impact of the firm, obviously, is more than internal management approaches alone. Best of organizations have encountered failures for want of strategic differentiators. Schooley Mitchell is a large network of independent and objective telecom, merchant services, and small package shipping experts. Both friendly and competent, we are consultants with specialized expertise you can trust, as thousands of happy clients have already experienced. Schooley Mitchell handles your telecom, merchant services, and shipping needs without selling you anything, allowing you to focus on your core business knowing your systems are fully optimized.

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