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Consumer-centered Computer-supported Care for Healthy People - Hyeoun-Ae Park 2006

Intended for nurses and informatics experts working with informatics applications in nursing care, administration, research and education. This book's theme - 'Consumer-Centered Computer-Supported Care for Healthy People' - emphasizes the central role of the consumer and the function of information technology in health care.

MEDINFO 2015: EHealth-enabled Health - I.N. Sarkar 2015-08-12

Health and Biomedical Informatics is a rapidly evolving multidisciplinary field; one in which new developments may prove crucial in meeting the challenge of providing cost-effective, patient-centered healthcare worldwide. This book presents the proceedings of MEDINFO 2015, held in São Paulo, Brazil, in August 2015. The theme of this conference is 'eHealth-enabled Health', and the broad spectrum of topics covered ranges from emerging methodologies to successful implementations of innovative applications, integration and evaluation of eHealth systems and solutions. Included here are 178 full papers and 248 poster abstracts, selected after a rigorous review process from nearly 800 submissions by 2,500 authors from 59 countries. The conference brings together researchers, clinicians, technologists and managers from all over the world to share their experiences on the use of information methods, systems and technologies to promote patient-centered care, improving patient safety, enhancing care outcomes, facilitating translational research and enabling precision medicine, as well as advancing education and skills in Health and Biomedical Informatics. This comprehensive overview of Health and Biomedical Informatics will be of interest to all those involved in designing, commissioning and providing healthcare, wherever they may be.

Modeling and Simulation-Based Systems Engineering Handbook - Daniele Gianni 2018-10-09

The capability modeling and simulation (M&S) supplies for managing systems complexity and investigating systems behaviors has made it a central activity in the development of new and existing systems. However, a handbook that provides established M&S practices has not been available. Until now. Modeling and Simulation-Based Systems Engineering Handbook details the M&S practices for supporting systems engineering in diverse domains. It discusses how you can identify systems engineering needs and adapt these practices to suit specific application domains, thus avoiding redefining practices from scratch. Although M&S practices are used and embedded within individual disciplines, they are often developed in isolation. However, they address recurring problems common to all disciplines. The editors of this book tackled the challenge by recruiting key representatives from several communities, harmonizing the different perspectives derived from individual backgrounds, and lining them up with the book's vision. The result is a collection of M&S systems engineering examples that offer an initial means for cross-domain capitalization of the knowledge, methodologies, and technologies developed in several communities. These examples provide the pros and cons of the methods and techniques available, lessons learned, and pitfalls to avoid. As our society moves further in the information era, knowledge and M&S capabilities become key enablers for the engineering of complex systems and systems of systems. Therefore, knowledge and M&S methodologies and technologies become valuable output in an engineering activity, and their cross-domain capitalization is key to further advance the future practices in systems engineering. This book collates information across disciplines to provide you with the tools to more efficiently design and manage complex

systems that achieve their goals.

Rapid Application Development with Mozilla - Nigel McFarlane 2004

Rapid Application Development with Mozilla, part of the Bruce Perens Open Source Series, is a concise guide for any programmer who wants to learn the versatility and compatibility of Mozilla, an open source toolset with over a thousand objects and components. An additional feature of Rapid Application Development with Mozilla is the NoteTaker Web browser add-on-a sample Mozilla application that is developed throughout the book. Written by Web and XML expert Nigel McFarlane, this book is the perfect addition to the library of any user-interface software engineer, cross-platform developer, or any programmer looking to discover the benefits of rapid application development.

Architecting Dependable Systems III - Rogério de Lemos 2005-09-27

As software systems become ubiquitous, the issues of dependability become more and more crucial. Given that solutions to these issues must be considered from the very beginning of the design process, it is reasonable that dependability is addressed at the architectural level. This book comes as a result of an effort to bring together the research communities of software architectures and dependability. This state-of-the-art survey contains 16 carefully selected papers originating from the Twin Workshops on Architecting Dependable Systems (WADS 2004) accomplished as part of the International Conference on Software Engineering (ICSE 2004) in Edinburgh, UK and of the International Conference on Dependable Systems and Networks (DSN 2004) in Florence, Italy. The papers are organised in topical sections on architectures for dependable services, monitoring and reconfiguration in software architectures, dependability support for software architectures, architectural evaluation, and architectural abstractions for dependability.

The Essential Guide to Flex 2 with ActionScript 3.0 - Charles Brown 2007-05-10

This is a comprehensive tutorial and reference guide to ActionScript 3, Flex, and Flexbuilder 2 that teaches readers everything they need to know about these new technologies, from the very beginning, right through advanced topics. Readers will need general web development experience, and ideally have Flash and ActionScripting experience, although this isn't essential. This book is one of the first to offer thorough coverage of these new technologies. The author, Charles E. Brown, is an acknowledged expert in Flash development and training. His in-depth knowledge of application development and effective teaching methods is evident on every page of this essential handbook.

Explaining Variations in the Use of the Internet to Support Inter-organizational Exchange - Thomas Adelaar 2005

Advanced Design and Manufacturing Based on STEP - Xun Xu 2009-09-29

Design and manufacturing is the essential element in any product development lifecycle. Industry vendors and users have been seeking a common language to be used for the entire product development lifecycle that can describe design, manufacturing and other data pertaining to the product. Many solutions were proposed, the most successful being the Standard for Exchange of Product model (STEP). STEP provides a mechanism that is capable of describing product data, independent from any particular system. The nature of this description makes it suitable not only for neutral file exchange, but also as a basis for implementing,

sharing and archiving product databases. ISO 10303-AP203 is the first and perhaps the most successful AP developed to exchange design data between different CAD systems. Going from geometric data (as in AP203) to features (as in AP224) represents an important step towards having the right type of data in a STEP-based CAD/CAM system. Of particular significance is the publication of STEP-NC, as an extension of STEP to NC, utilising feature-based concepts for CNC machining purposes. The aim of this book is to provide a snapshot of the recent research outcomes and implementation cases in the field of design and manufacturing where STEP is used as the primary data representation protocol. The 20 chapters are contributed by authors from most of the top research teams in the world. These research teams are based in national research institutes, industries as well as universities.

Geospatial Services and Applications for the Internet - John T. Sample 2008-12-10

The use of geospatial technologies has become ubiquitous since the leading Internet vendors delivered a number of popular map websites. This book covers a wide spectrum of techniques, model methodologies and theories on development and applications of GIS relative to the internet. It includes coverage of business process services, and integration of GIS into global enterprise information systems and service architectures. The world's experts in this emerging field present examples and case studies for location-based services, coastal restoration, urban planning, battlefield planning, rehearsal environmental analysis and assessment.

J2EE Connector Architecture and Enterprise Application Integration - Rahul Sharma 2001

This handbook on J2EE (Java 2 Enterprise Edition) platform connector architecture shows how to maximise J2EE applications within the application integration space. It includes a detailed look at connection pooling, transactions and managing security.

Advances and Innovations in Systems, Computing Sciences and Software Engineering - Khaled Elleithy 2007-08-28

This book includes a set of rigorously reviewed world-class manuscripts addressing and detailing state-of-the-art research projects in the areas of Computing Sciences, Software Engineering and Systems. The book presents selected papers from the conference proceedings of the International Conference on Systems, Computing Sciences and Software Engineering (SCSS 2006). All aspects of the conference were managed on-line.

Strategic XML - W. Scott Means 2002

This book is primarily designed to describe the landscape of a typical large enterprise in terms of where XML can be successfully adopted as a data format. The examples give almost equal time to MS and non-MS applications, reflecting the increasingly mixed nature of development in large companies.

Fundamental Approaches to Software Engineering - Matthew B. Dwyer 2007-07-04

This book constitutes the refereed proceedings of the 10th International Conference on Fundamental Approaches to Software Engineering, FASE 2007, held in Braga, Portugal in March/April 2007 as part of ETAPS 2007, the Joint European Conferences on Theory and Practice of Software. It covers evolution and agents, model driven development, tool demonstrations, distributed systems, specification, services, testing, analysis, and design.

Multi-Agent Systems - Nils Bulling 2015-04-15

This book constitutes the proceedings of the 12th European Conference on Multi-Agent Systems, EUMAS 2014, held in Prague, Czech Republic, in December 2014. The 21 full papers and 8 short papers presented in this volume were carefully reviewed and selected from 79 submissions. They are organized in topical sections named: agent-based models, trust and reputation; coordination, coalitions and teamwork; logic and formal approaches; theories in practice and real-world problems; decision making, conflicts and agreements.

InfoWorld - 1999-11-08

InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

Computational Science and Its Applications - ICCSA 2006 - Marina L. Gavrilova 2006

Component Deployment - Alan Dearle 2005-11-16

This volume of Lecture Notes in Computer Science contains the proceedings of the 3rd Working Conference on Component Deployment (CD 2005), which took place from 28 to 29, November 2005 in Grenoble, France, and co-located with Middleware 2005. CD 2005 is the third international conference in the series, the first two being held in Berlin and Edinburgh in 2002 and 2004, respectively. The proceedings of both these conferences were also published by Springer in the Lecture Notes in Computer Science series and may be found in volumes 2370 and 3083. Component deployment addresses the tasks that need to be performed after components have been developed and addresses questions such as: • What do we do with components after they have been built? • How do we deploy them into their execution environment? • How can we evolve them once they have been deployed? CD 2005 brought together researchers and practitioners with the goal of developing a better understanding of how deployment takes place in the wider context. The Program Committee selected 15 papers (12 long papers, three short papers) out of 29 submissions. All submissions were reviewed by at least three members of the Program Committee. Papers were selected based on originality, quality, soundness and relevance to the workshop.

Architecture of Computing Systems - ARCS 2006 - Werner Grass 2006

This book constitutes the refereed proceedings of the 19th International Conference on Architecture of Computing Systems, ARCS 2006, held in March 2006. The 32 revised full papers presented together with two invited and keynote papers were carefully reviewed and selected from 174 submissions. The papers are organized in topical sections on pervasive computing, memory systems, architectures, multiprocessing, energy efficient design, power awareness, network protocols, security, and distributed networks.

The Internet Encyclopedia, Volume 3 (P - Z) - Hossein Bidgoli 2004-04-12

The Internet Encyclopedia in a 3-volume reference work on the internet as a business tool, IT platform, and communications and commerce medium.

Introducing Play Framework - Prem Kumar Karunakaran 2020-03-06

Enter the world of rapid web application development. This gentle introduction to Play covers all you need to know: it carefully introduces the background concepts before diving into examples, making learning Play 2 enjoyable (it includes the latest Play framework version 2.8). Introducing Play Framework is crisp, up-to-the-point, and full of valuable information. You will find chapters covering the basics of Play, the sbt build system, the Ebean ORM, web services using Play, production deployment, cache, and more with actual pragmatic code snippets for common tasks. After reading and using this book, you'll be able to build and deploy Java-based web applications with the Play framework. What You Will Learn Use the Play framework to do rapid Java-based web application development Work with Play controllers and Play views Create web services using JSON and XML Persist data and access databases Use Play modules Carry out asynch programming Cache, deploy, and work with code snippets in Play Who This Book Is For Those with at least some prior experience with Java.

Medinfo 2007 - Klaus A. Kuhn 2007

The papers presented are refereed and from all over the world. They reflect the breadth and depth of the field of biomedical and health informatics, covering topics such as; health information systems, knowledge and data management, education, standards, consumer health and human factors, emerging technologies, sustainability, organizational and economic issues, genomics, and image and signal processing. As this volume carries such a wide collection, it will be of great interest to anyone engaged in biomedical and health informatics research and application.

Managing (e)Business Transformation - Ali Farhoomand 2021-01-21

Managing (e)Business Transformation comprises text and cases designed to show students how a business can be transformed into an internetworked enterprise where IT infrastructures are used to link customers, suppliers, partners and employees to create superior economic value. The book is written based on the premise that integrating internet technologies throughout the value chain is crucial to building and managing customer relationships. Importantly, it underscores the centrality of basic business and economic principles within the context of a networked environment. The book builds on established business and economic theories, concepts and fundamentals to show that 'e-business' will soon be synonymous with 'business'. The book takes a strong managerial perspective, especially popular with MBA students, to argue that the internet is simply an enabling technology, which allows firms to build the infrastructure needed to

operate in an evolving business world. The application of theory/concepts is emphasized throughout and contains a range of international case studies enhance the learning experience. This book is a must for all students studying e-business strategy at undergraduate, MBA and postgraduate level. Also available is a companion website with extra features to accompany the text, please take a look by clicking below - <http://www.palgrave.com/business/farhoomand/index.asp>

Advances in Multimedia Information Processing – PCM 2001 - Heung-Yeung Shum 2003-06-30
Welcome to the second IEEE Pacific Rim Conference on Multimedia (IEEE PCM 2001) held in Zhongguanchun, Beijing, China, October 22-24, 2001. Building upon the success of the inaugural IEEE PCM 2000 in Sydney in December 2000, the second PCM again brought together the researchers, developers, practitioners, and educators of multimedia in the Pacific area. Theoretical breakthroughs and practical systems were presented at this conference, thanks to the sponsorship by the IEEE Circuit and Systems Society, IEEE Signal Processing Society, China Computer Foundation, China Society of Image and Graphics, National Natural Science Foundation of China, Tsinghua University, and Microsoft Research, China. IEEE PCM 2001 featured a comprehensive program including keynote talks, regular paper presentations, posters, demos, and special sessions. We received 244 papers and accepted only 104 of them as regular papers, and 53 as poster papers. Our special session chairs, Shin'ichi Satoh and Mohan Kankanhalli, organized 6 special sessions. We acknowledge the great contribution from our program committee members and paper reviewers who spent many hours reviewing submitted papers and providing valuable comments for the authors. The conference would not have been successful without the help of so many people. We greatly appreciated the support of our honorary chairs: Prof. Sun Yuan Kung of Princeton University, Dr. Ya Qin Zhang of Microsoft Research China, and Prof.

Conceptual Modeling - ER 2004 - Paolo Atzeni 2004-10-27

This book constitutes the refereed proceedings of the 23rd International Conference on Conceptual Modeling, ER 2004, held in Shanghai, China, in November 2004. The 57 revised full papers presented together with three invited contributions and 8 demonstration and poster papers were carefully reviewed and selected from 295 submissions. The papers are organized in topical sections on conceptual modeling, datawarehouses, schema integration, data classification and mining, web-based information systems, query processing, web services, schema evolution, conceptual modeling applications, UML, XML modeling, and industrial presentations.

Advances in UML and XML-based Software Evolution - Hongji Yang 2005-01-01

"Reports on the recent advances in UML and XML based software evolution in terms of a wider range of techniques and applications"--Provided by publisher.

InfoWorld - 1999-10-04

InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

Web Information Systems -- WISE 2004 - Xiaofang Zhou 2004-11-01

We have described the development of a new micro-payment system, NetPay, featuring different ways of managing electronic money, or e-coins. NetPay provides an off-line, anonymous protocol that supports high-volume, low-cost electronic transactions over the Internet. We developed three kinds of e-wallets to manage coins in a NetPay-based system: a server-side e-wallet allowing multiple computer access to coins; a client-side e-wallet allowing customer PC management of the e-coins, and a cookie-based e-wallet cache to improve performance of the client-side e-wallet communication overhead. Experiences to date with NetPay prototypes have demonstrated it provides an effective micro-payment strategy and customers welcome the ability to manage their electronic coins in different ways. References 1. Dai, X. and Lo, B.: NetPay - An Efficient Protocol for Micropayments on the WWW. Fifth Australian World Wide Web Conference, Australia (1999) 2. Dai, X., Grundy, J. and Lo, B.: Comparing and contrasting micro-payment models for commerce systems, International Conferences of Info-tech and Info-net (ICII), China (2001) 3. Dai, X., Grundy, J.: Architecture of a Micro-Payment System for Thin-Client Web Applications. In Proceedings of the 2002 International Conference on Internet Computing, Las Vegas, CSREA Press, June 24-27, 444-450 4. Dai, X. and Grundy J.: "Customer Perception of a Thin-client Micro-payment System Issues and Experiences", Journal of End User Computing, 15(4), pp 62-77, (2003).

ECAI 2002 - European Coordinating Committee for Artificial Intelligence 2002

This volume contains the 137 papers accepted for presentation at the 15th European Conference on Artificial Intelligence (ECAI '02), which is organized by the European Co-ordination Committee on Artificial Intelligence.

Engineering of Intelligent Systems - Laszlo Monostori 2003-06-29

This book constitutes the refereed proceedings of the 14th International Conference on Industrial and Engineering Applications of Artificial Intelligence and Expert Systems, IEA/AIE 2001, held in Budapest, Hungary in June 2001. The 104 papers presented were carefully reviewed and selected from a total of 140 submissions. The proceedings offer topical sections on searching, knowledge representation, model-based reasoning, machine learning, data mining, soft computing, evolutionary algorithms, distributed problem solving, expert systems, pattern and speech recognition, vision language processing, planning and scheduling, robotics, autonomous agents, design, control, manufacturing systems, finance and business, software engineering, and intelligent tutoring.

Integrated Intelligent Systems for Engineering Design - X.F. Zha 2006-10-04

This book aims to describe recent findings and emerging techniques that use intelligent systems (particularly integrated and hybrid paradigms) in engineering design, and examples of applications. The goal is to take a snapshot of progress relating to research into systems for supporting design and to disseminate the way in which recent developments in integrated, knowledge-intensive, and computational AI techniques can improve and enhance such support. The selected articles provide an integrated, holistic perspective on this complex set of challenges and provide rigorous research results. The focus of this publication is on the integrated intelligent methodologies, frameworks and systems for supporting engineering design activities. The subject pushes the boundaries of the traditional topic of engineering design into new areas. The book is of interest to researchers, graduate students and practicing engineers involved in engineering design and applications using integrated intelligent techniques. In addition, managers and others can use it to obtain an overview of the subject, and gain a view about the applicability of this technology to their business. As AI and intelligent systems technologies are fast evolving, the editors hope that this book can serve as a useful insight to the readers on the state-of-the-art applications and developments of such techniques at the time of compilation.

Web Engineering - Woojong Suh 2005-01-01

As most organizations have expanded traditional business space into Web-based environments, a more complete and thorough understanding of Web engineering is becoming vital. Although based primarily on MIS and computer science areas, Web engineering covers a wide range of disciplines, thus making it difficult to gain an understanding of the field. *Web Engineering: Principles and Techniques* provides clarity to this often muddled issue. Covering a wide range of topics, this book provides the necessary tools vital for organizations to utilize the full potential of Web engineering.

Graph Transformation - Andrea Corradini 2002-09-27

ICGT 2002 was the first International Conference on Graph Transformation following a series of six international workshops on graph grammars with applications in computer science, held in Bad Honnef (1978), Osnabrück (1982), Warrenton (1986), Bremen (1990), Williamsburg (1994), and Paderborn (1998). ICGT 2002 was held in Barcelona (Spain), October 7-12, 2002 under the auspices of the European Association of Theoretical Computer Science (EATCS), the European Association of Software Science and Technology (EASST), and the IFIP Working Group 1.3, Foundations of Systems Specification. The scope of the conference concerned graphical structures of various kinds (like graphs, diagrams, visual sentences and others) that are useful to describe complex structures and systems in a direct and intuitive way. These structures are often augmented by formalisms which add to the static description a further dimension, allowing for the modeling of the evolution of systems via all kinds of transformations of such graphical structures. The field of Graph Transformation is concerned with the theory, applications, and implementation issues of such formalisms. The theory is strongly related to areas such as graph theory and graph algorithms, formal language and parsing theory, the theory of concurrent and distributed systems, formal specification and verification, logic, and semantics.

Software Evolution with UML and XML - Hongji Yang 2005-01-01

This title provides a forum where expert insights are presented on the subject of linking three current phenomena: software evolution, UML and XML.

VB.NET for Developers - Keith Franklin 2001

First complete book in the market to quickly get developers up-to-speed with VB.NET.

Semantic Knowledge Management: An Ontology-Based Framework - Zilli, Antonio 2008-08-31

"This book addresses the Semantic Web from an operative point of view using theoretical approaches, methodologies, and software applications as innovative solutions to true knowledge management"--Provided by publisher.

Software Architecture: System Design, Development and Maintenance - Jan Bosch 2013-06-29

For more and more systems, software has moved from a peripheral to a central role, replacing mechanical parts and hardware and giving the product a competitive edge. Consequences of this trend are an increase in: the size of software systems, the variability in software artifacts, and the importance of software in achieving the system-level properties. Software architecture provides the necessary abstractions for managing the resulting complexity. We here introduce the Third Working IEEE/IFIP Conference on Software Architecture, WICSA3. That it is already the third such conference is in itself a clear indication that software architecture continues to be an important topic in industrial software development and in software engineering research. However, becoming an established field does not mean that software architecture provides less opportunity for innovation and new directions. On the contrary, one can identify a number of interesting trends within software architecture research. The first trend is that the role of the software architecture in all phases of software development is more explicitly recognized. Whereas initially software architecture was primarily associated with the architecture design phase, we now see that the software architecture is treated explicitly during development, product derivation in software product lines, at run-time, and during system evolution. Software architecture as an artifact has been decoupled from a particular lifecycle phase.

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Research and Development in Intelligent Systems XVIII - Frans Coenen 2012-12-06

M.A. BRAMER University of Portsmouth, UK This volume comprises the refereed technical papers presented at ES2001, the Twenty-first SGES International Conference on Knowledge Based Systems and

Applied Artificial Intelligence, held in Cambridge in December 2001, together with an invited keynote paper by Professor Derek Sleeman. The conference was organised by SGES, the British Computer Society Specialist Group on Knowledge Based Systems and Applied Artificial Intelligence. The papers in this volume present new and innovative developments in the field, divided into sections on Machine Learning, Constraint Satisfaction, Agents, Knowledge Representation, Knowledge Engineering, and Intelligent Systems. The refereed papers begin with a paper entitled 'Detecting Mismatches Among Experts' Ontologies Acquired Through Knowledge Elicitation', which describes a systematic approach to the analysis of discrepancies within and among experts' ontologies. This paper was judged to be the best refereed technical paper submitted to the conference. The remaining papers are devoted to topics in important areas such as agents, knowledge engineering, knowledge representation, planning and constraint satisfaction, with machine learning again the largest topic covered in terms of the number of papers accepted for publication. This is the eighteenth volume in the Research and Development series. The Application Stream papers are published as a companion volume under the title Applications and Innovations in Intelligent Systems IX.

Knowledge-Based Intelligent Information and Engineering Systems - Rajiv Khosla 2005-08-30

The four volume set LNAI 3681, LNAI 3682, LNAI 3683, and LNAI 3684 constitute the refereed proceedings of the 9th International Conference on Knowledge-Based Intelligent Information and Engineering Systems, KES 2005, held in Melbourne, Australia in September 2005. The 716 revised papers presented were carefully reviewed and selected from nearly 1400 submissions. The papers present a wealth of original research results from the field of intelligent information processing in the broadest sense; topics covered in the first volume are intelligent design support systems, data engineering, knowledge engineering and ontologies, knowledge discovery and data mining, advanced network application, approaches and methods of security engineering, chance discovery, information hiding and multimedia signal processing, soft computing techniques and their applications, intelligent agent technology and applications, smart systems, knowledge - based interface systems, intelligent information processing for remote sensing, intelligent human computer interaction systems, experience management and knowledge management, network (security) real-time and fault tolerant systems, advanced network application and real-time systems, and intelligent watermarking algorithms.

Building Intelligent Electronic Services - Dietmar Jannach 2006