Pdf free Practical applications sisteme informatice industriale .pdf

this comprehensive yet accessible text provides a good introduction to the fundamental concepts of information technology and skillfully elaborates on their applications covering in the process the entire spectrum of it related topics organized into three parts the book offers an insightful analysis of the subject explaining the concepts through suitable illustrations part i covers basic issues and concepts of internet and the techniques of acquiring storing structuring and managing information that may involve images text files and video data the reader is exposed to both centralized and distributed database systems part ii deals with the core topics in developing information systems which are based on audio and speech compression multimedia communication techniques and soft computing for analysis and interpretation of data part iii focusses on a number of application areas as remote sensing telemedicine e commerce cybermediary and rural development besides the traditional engineering disciplines highlighting their social impacts the book is intended for undergraduate and postgraduate students of information technology computer science as well as electronics and electrical communication engineering it should also serve as an excellent reference for professionals in the it field key features discusses in detail the theoretical basis behind a web graph deals with security issues of computer networks and their implications in an easy to understand manner contains more than 30 projects with useful hints that students of various it courses would find interesting to work on three chapters are exclusively devoted to different aspects of database management and data mining systems interoperability the ability of a system or a product to work with other systems or products without special effort from the user is a key issue in manufacturing and industrial enterprise generally it is fundamental to the production of goods and services quickly and at low cost at the same time as maintaining levels of quality and customisation composed of 40 papers of international authorship interoperability of enterprise software and applications ranges from academic research through case studies to industrial experience of interoperability many of the papers have examples and illustrations calculated to deepen understanding and generate new

ideas a concise reference to the state of the art in software interoperability interoperability of enterprise software and applications will be of great value to engineers and computer scientists working in manufacturing and other process industries and to software engineers and electronic and manufacturing engineers working in the academic environment this professional book provides a series of case studies which give examples of real benefits to be derived from the adoption of semantic web based ontologies in real world situations such as telecommunication b2b integration tourism education and more the book is designed to create platforms for bringing experts together key government representatives industry and academia from different countries and to compile the most recent use of semantics and ontologies in this volume rudi studer and his team deliver a self contained compendium about the exciting field of semantic services starting with the basic standards and technologies and also including advanced applications in egovernment and ehealth the contributions provide both the theoretical background and the practical knowledge necessary to understand the essential ideas and to design new cutting edge applications this book presents a range of cloud computing platforms for data intensive scientific applications it covers systems that deliver infrastructure as a service including hpc as a service virtual networks as a service scalable and reliable storage algorithms that manage vast cloud resources and applications runtime and programming models that enable pragmatic programming and implementation toolkits for escience applications many scientific applications in clouds are also introduced such as bioinformatics biology weather forecasting and social networks most chapters include case studies cloud computing for data intensive applications targets advanced level students and researchers studying computer science and electrical engineering professionals working in cloud computing networks databases and more will also find this book useful as a reference this book brings together a collection of international contributions on multimedia systems and applications and looks in detail at current issues in r d of multimedia and the applications which exploit it part i on systems looks at technology interfaces and techniques part ii on applications looks at simulation education publishing and the future of multimedia wsc2008chair s welcome message dear colleague the world soft computing wsc conference is an annual international online conference on applied and theoretical soft computing technology this wsc 2008 is the thirteenth conference in this series and it has been a great success we received a lot of excellent paper submissions which were peer reviewed by an international team of experts only60 papers out of111

submissions were selected for online publication this assured a high quality standard for this online conference the corresponding online statistics are a proof of the great world wide interest in the wsc 2008 conference the conference website had a total of33 367di erent human user accessesfrom43 countries with around100 visitors every day 151 people signed up to wsc to discuss their scienti c disciplines in our chat rooms and the forum also audio and slide presentations allowed a detailed discussion of the papers the submissions and discussions showed that there is a wide range of soft computing applications to date the topics covered by the conference range from applied to theoretical aspects of fuzzy neuro fuzzy and rough sets over to neural networks to single and multi objective optimisation contributions aboutparticleswarmoptimisation geneexpressionprogramming clustering classi cation supportvectormachines quantumevolutionandagentsystems have also been received one whole session was devoted to soft computing techniques in computer graphics imaging vision and signal processing the is growing at an astounding pace surpassing the 8 billion page mark however most pages are still designed for human consumption and cannot be processed by machines this book provides a well paced introduction to the semantic it covers a wide range of topics from new trends ontologies rules to existing technologies services and software agents to more formal aspects logic and inference it includes real world and complete examples of the application of semantic concepts how the technology presented and discussed throughout the book can be extended to other application areas this festschrift volume published to honor esko ukkonen on his 60th birthday includes papers that present research on computational pattern matching and string algorithms two areas that have benefited significantly from the work of ukonen data mining continues to be an emerging interdisciplinary field that offers the ability to extract information from an existing data set and translate that knowledge for end users into an understandable way data mining concepts methodologies tools and applications is a comprehensive collection of research on the latest advancements and developments of data mining and how it fits into the current technological world surveillance technologies and early warning systems data mining applications for risk detection has never been more important as the research this book presents an alternative to conventional surveillance and risk assessment this book is a multidisciplinary excursion comprised of data mining early warning systems information technologies and risk management and explores the intersection of these components in problematic domains it offers the ability to apply the most modern techniques to age old

problems allowing for increased effectiveness in the response to future eminent and present risk examines practical research and case studies on such benchmark topics as biometric and security technology protection of digital assets and information multilevel computer self efficacy and end user development provides research into the advancement productivity and performance of the end user computing domain through this work the authors propose to contribute to the dissemination of global learning in terms of non formal education to promote the development of knowledge skills and abilities for the transition to sustainable consumption patterns thereby contributing to the complex education of the consumer under the motto of sustainable development the information presented in this publication complements the results obtained within the framework of the european project development education and awareness raising sincerely food implemented by non governmental organizations from latvia bulgaria croatia estonia and romania under the coordination of the lithuanian consumer institute the publication is structured on 7 chapters comprising in addition introduction and bibliography chapter i non formal education theoretical concepts chapter ii lifelong education chapter iii non formal education for sustainable development case study mobile tools in public spaces chapter iv interactive digital education chapter v simulation based training chapter vi digital storytelling chapter vii guided debate th 2002 dexa the 13 international conference on database and expert systems applications was held on september 2 6 2002 at the université aix marseille ii france the quickly growing field of information systems required the establishment of more specialized discussion platforms the dawak conference ec conference egov conference and dexa workshops and there were held in parallel with dexa also in aix en provence the resulting book was prepared with great effort starting with the preparation of submitted papers the papers went through the reviewing process the accepted papers were revised to final versions by their authors and arranged to the conference program this year 241 papers were submitted and our thanks go to all who have contributed the program committee and the supporting reviewers produced altogether about 730 referee reports on average three reports per paper and selected 89 papers for presentation the papers presented here encompass the extensive domain of databases together with the other conferences and workshops of the dexa event cluster a vast part of applied computer science was covered in this way dexa has blazed the trail at this point we would like to acknowledge to all institutions which actively supported this conference and made it possible these are iut université aix marseille ii faw dexa association the austrian

computer society and microsoft research this book examines current state of the art research in the area of service sectors and their interactions linkages applications and support using information systems provided by publisher this book introduces context aware computing providing definitions categories characteristics and context awareness itself and discussing its applications with a particular focus on smart learning environments it also examines the elements of a context aware system including acquisition modelling reasoning and distribution of context it also reviews applications of context aware computing both past and present to offer readers the knowledge needed to critically analyse how context awareness can be put to use it is particularly to those new to the subject area who are interested in learning how to develop context aware computing oriented applications as well as postgraduates and researchers in computer engineering communications engineering related areas of information technology it further it provides practical know how for professionals working in it support and technology consultants and business decision makers and those working in the medical human and social sciences rough set theory introduced by pawlak in the early 1980s has become an important part of soft computing within the last 25 years however much of the focus has been on the theoretical understanding of rough sets with a survey of rough sets and their applications within business and industry much desired rough sets selected methods and applications in management and engineering provides context to rough set theory with each chapter exploring a real world application of rough sets rough sets is relevant to managers striving to improve their businesses industry researchers looking to improve the efficiency of their solutions and university researchers wanting to apply rough sets to real world problems nowadays applications are almost omnipresent the has become a platform not only for information delivery but also for ecommerce systems social networks mobile services and distributed learning environments engineering applications involves many intrinsic challenges due to their distributed nature content orientation and the requirement to make them available to a wide spectrum of users who are unknown in advance the authors discuss these challenges in the context of well established engineering processes covering the whole product lifecycle from requirements engineering through design and implementation to deployment and maintenance they stress the importance of models in application development and they compare well known specific development processes like webml wsdm and oohdm to traditional software development approaches like the waterfall model and the spiral model this book focuses on information systems discipline and working

towards the delivery of the main implications that the semantic brings to information systems and the information knowledge society it discusses the technology of the semantic in the context of information systems it establishes knowledge transfer and personal development channels in these areas academia industry and government information retrieval ir aims at defining systems able to provide a fast and effective content based access to a large amount of stored information the aim of an ir system is to estimate the relevance of documents to users information needs expressed by means of a query this is a very difficult and complex task since it is pervaded with imprecision and uncertainty most of the existing ir systems offer a very simple model of ir which privileges efficiency at the expense of effectiveness a promising direction to increase the effectiveness of ir is to model the concept of partially intrinsic in the ir process and to make the systems adaptive i e able to learn the user s concept of relevance to this aim the application of soft computing techniques can be of help to obtain greater flexibility in ir systems information infrastructures are integrated solutions based on the fusion of information and communication technologies they are characterized by the large amount of data that must be managed accordingly an information infrastructure requires an efficient and effective information retrieval system to provide access to the items stored in the infrastructure terminological ontologies design management and practical applications presents the main problems that affect the discovery systems of information infrastructures to manage terminological models and introduces a combination of research tools and applications in semantic technologies this book specifically analyzes the need to create relate and integrate the models required for an infrastructure by elaborating on the problem of accessing these models in an efficient manner via interoperable services and components terminological ontologies design management and practical applications is geared toward information management systems and semantic web professionals working as project managers application developers government workers and more advanced undergraduate and graduate level students professors and researchers focusing on computer science will also find this book valuable as a secondary text or reference book this reference set provides a complete understanding of the development of applications and concepts in clinical patient and hospital information systems provided by publisher recently we have seen a steep increase in the popularity and adoption of xml in areas such as traditional databases e business the scientific environment and on the web querying xml documents and data efficiently is a challenging issue this book approaches search on xml data by

combining content based methods from information retrieval and structure based xml query methods and presents the following parts applications query languages retrieval models implementing intelligent xml systems and evaluation to appreciate the book basic knowledge of traditional database technology information retrieval and xml is needed the book is ideally suited for courses or seminars at the graduate level as well as for education of research and development professionals working on applications digital libraries database systems and information retrieval as information technology becomes a vital part of our everyday activities ranging from personal use to government and defense applications the need to develop high assurance systems increases data and applications security and privacy are crucial elements in developing such systems research directions in data and applications security xviii presents original unpublished research results practical experiences and innovative ideas in the field of data and applications security and privacy topics presented in this volume include database theory inference control data protection techniques distributed systems access control models security policy design and management privacy network security this book is the eighteenth volume in the series produced by the international federation for information processing ifip working group 11 3 on data and applications security it contains twenty three papers and two invited talks that were presented at the eighteenth annual ifip wg 11 3 conference on data and applications security which was sponsored by ifip and held in sitges catalonia spain in july 2004 research directions in data and applications security xviii is a high quality reference volume that addresses several aspects of information protection and is aimed at researchers educators students and developers this comprehensive book draws together experts to explore how knowledge technologies can be exploited to create new multimedia applications and how multimedia technologies can provide new contexts for the use of knowledge technologies thorough coverage of all relevant topics is given the step by step approach guides the reader from fundamental enabling technologies of ontologies analysis and reasoning through to applications which have hitherto had less attention semantics services and processes promise better re use universal interoperability and integration semantics has been recognized as the primary tool to address the challenges of a broad spectrum of heterogeneity and for improving automation through machine understandable descriptions semantic services processes and applications brings contributions from researchers who study explore and understand the semantic enabling of all phases of semantic processes this encompasses design annotation

discovery choreography and composition also this book presents fundamental capabilities and techniques associated with ontological modeling or services annotation matching and mapping and reasoning this is complemented by discussion of applications in e government and bioinformatics special bulk rates are available for course adoption through publishing editor this volume contains a collection of papers that provides a unique novel and up to date overview of how software agents technology is being applied in very diverse problems in health care ranging from community care to management of organ transplants it also provides an introductory survey that highlights the main issues to be taken into account when deploying agents in the health care area the intended audience includes graduate and postgraduate students specializing in artificial intelligence and researchers interested in the application of new technologies the architectural concept of a memory hierarchy has been immensely successful making possible today s spectacular pace of technology evolution in both the volume of data and the speed of data access its success is difficult to understand however when examined within the traditional memoryless framework of performance analysis the memoryless framework cannot properly reflect a memory hierarchy s ability to take advantage of patterns of data use that are transient the fractal structure of data reference applications to the memory hierarchy both introduces and justifies empirically an alternative modeling framework in which arrivals are driven by a statistically self similar underlying process and are transient in nature the substance of this book comes from the ability of the model to impose a mathematically tractable structure on important problems involving the operation and performance of a memory hierarchy it describes events as they play out at a wide range of time scales from the operation of file buffers and storage control cache to a statistical view of entire disk storage applications striking insights are obtained about how memory hierarchies work and how to exploit them to best advantage the emphasis is on the practical application of such results the fractal structure of data reference applications to the memory hierarchy will be of interest to professionals working in the area of applied computer performance and capacity planning particularly those with a focus on disk storage the book is also an excellent reference for those interested in database and data structure research this book deals with experience management in the context of real world applicability and realistic applications a particular focus is given by the requirements that arise in complex problem solving and by the fact that modern experience management must be implemented as internet based applications concrete application areas that are

discussed in this book are electronic commerce diagnosis of complex technical equipment and electronic design reuse this book explores how experience management can be supported by information technology especially by techniques that stem from knowledge based systems case based reasoning machine learning and process modeling it surveys different methods in a unified terminology and investigates them with respect to application requirements further the process of application development and maintenance is highlighted pointing out successful practically proven ways for obtaining and operating experience management applications starting with napster and gnutella peer to peer systems became an integrated part of the internet fabric attracting millions of users this book provides an introduction to the field it draws together prerequisites from various fields presents techniques and methodologies and gives an overview on the applications of the peer to peer paradigm in just few years case based reasoning has evolved from a research topic studied at a small number of specialized academic labs into an industrial strength technology applied in various fields the inreca methodology presented in detail in this monograph provides a data analysis framework for developing case based reasoning solutions for successful applications in real world industrial contexts the book is divided into parts on smarter business with case based decision support developing case based applications using the inreca methodology and using the methodology in various application domains the book provides a self contained introduction to case based reasoning applications that address both r d professionals and general it managers interested in this powerful new technology in this second edition improvements and updates have been incorporated throughout the text particularly useful is the systematic coverage of experience factory applications at various steps and of course the references have been extended substantially the five volume set lncs 3980 3984 constitutes the refereed proceedings of the international conference on computational science and its applications iccsa 2006 held in glasgow uk in may 2006 the five volumes present a total of 664 papers selected from over 2300 submissions the papers present a wealth of original research results in the field of computational science from foundational issues in computer science and mathematics to advanced applications in virtually all sciences making use of computational techniques the topics of the refereed papers are structured according to the five major conference themes computational methods algorithms and applications high performance technical computing and networks advanced and emerging applications geometric modelling graphics and visualization information systems and information

technologies moreover submissions from 31 workshops and technical sessions in the areas such as information security mobile communication grid computing modeling optimization computational geometry virtual reality symbolic computations molecular structures systems and intelligence spatial analysis bioinformatics and geocomputations contribute to this publication this text looks at a number of issues from the initial collection of data through its planning and control use of in marketing and demand management in the aspects of the application of information techology to the transport industry it is aimed at students of transport systems who are seeking information on techniques used within the industry and the specialist practitioner seeking a description of related fields with a view to the development of linked transport systems or seeking inspiration from the methods adapted by specialists in other areas this volume contains the proceedings of the second international workshop on advanced teleservices and high speed communication architectures iwaca 94 held in heidelberg germany in september 1994 the iwaca workshop is a platform for the exchange among researchers and developers from both the multimedia applications and the high speed telecommunication communities the book presents revised versions of the 36 papers accepted for presentation at the workshop they cover several aspects of multimedia applications and asynchronous transfer mode atm and focus on atm lans and atm for the wide area high performance network of the future

INFORMATION TECHNOLOGY 2004-01-01

this comprehensive yet accessible text provides a good introduction to the fundamental concepts of information technology and skillfully elaborates on their applications covering in the process the entire spectrum of it related topics organized into three parts the book offers an insightful analysis of the subject explaining the concepts through suitable illustrations part i covers basic issues and concepts of internet and the techniques of acquiring storing structuring and managing information that may involve images text files and video data the reader is exposed to both centralized and distributed database systems part ii deals with the core topics in developing information systems which are based on audio and speech compression multimedia communication techniques and soft computing for analysis and interpretation of data part iii focusses on a number of application areas as remote sensing telemedicine e commerce cybermediary and rural development besides the traditional engineering disciplines highlighting their social impacts the book is intended for undergraduate and postgraduate students of information technology computer science as well as electronics and electrical communication engineering it should also serve as an excellent reference for professionals in the it field key features discusses in detail the theoretical basis behind a web graph deals with security issues of computer networks and their implications in an easy to understand manner contains more than 30 projects with useful hints that students of various it courses would find interesting to work on three chapters are exclusively devoted to different aspects of database management and data mining systems

Interoperability of Enterprise Software and Applications *2006-07-04*

interoperability the ability of a system or a product to work with other systems or products without special effort from the user is a key issue in manufacturing and industrial enterprise generally it is fundamental to the production of goods and services quickly and at low cost at the same time as maintaining levels of quality and customisation composed of 40 papers of international authorship interoperability of enterprise software and

applications ranges from academic research through case studies to industrial experience of interoperability many of the papers have examples and illustrations calculated to deepen understanding and generate new ideas a concise reference to the state of the art in software interoperability interoperability of enterprise software and applications will be of great value to engineers and computer scientists working in manufacturing and other process industries and to software engineers and electronic and manufacturing engineers working in the academic environment

The Semantic Web *2007-09-28*

this professional book provides a series of case studies which give examples of real benefits to be derived from the adoption of semantic web based ontologies in real world situations such as telecommunication b2b integration tourism education and more the book is designed to create platforms for bringing experts together key government representatives industry and academia from different countries and to compile the most recent use of semantics and ontologies

Semantic Web Services 2007-05-23

in this volume rudi studer and his team deliver a self contained compendium about the exciting field of semantic services starting with the basic standards and technologies and also including advanced applications in egovernment and ehealth the contributions provide both the theoretical background and the practical knowledge necessary to understand the essential ideas and to design new cutting edge applications

Cloud Computing for Data-Intensive Applications *2014-12-02*

this book presents a range of cloud computing platforms for data intensive scientific applications it covers systems that deliver infrastructure as a service including hpc as a service virtual networks as a service

scalable and reliable storage algorithms that manage vast cloud resources and applications runtime and programming models that enable pragmatic programming and implementation toolkits for escience applications many scientific applications in clouds are also introduced such as bioinformatics biology weather forecasting and social networks most chapters include case studies cloud computing for data intensive applications targets advanced level students and researchers studying computer science and electrical engineering professionals working in cloud computing networks databases and more will also find this book useful as a reference

Multimedia Systems and Applications *1995-01-01*

this book brings together a collection of international contributions on multimedia systems and applications and looks in detail at current issues in r d of multimedia and the applications which exploit it part i on systems looks at technology interfaces and techniques part ii on applications looks at simulation education publishing and the future of multimedia

Applications of Soft Computing *2009-09-30*

wsc2008chair s welcome message dear colleague the world soft computing wsc conference is an annual international online conference on applied and theoretical soft computing technology this wsc 2008 is the thirteenth conference in this series and it has been a great success we received a lot of excellent paper submissions which were peer reviewed by an international team of experts only60 papers out of111 submissions were selected for online publication this assured a high quality standard for this online conference the corresponding online statistics are a proof of the great world wide interest in the wsc 2008 conference the conference website had a total of33 367di erent human user accessesfrom43 countries with around100 visitors every day 151 people signed up to wsc to discuss their scienti c disciplines in our chat rooms and the forum also audio and slide presentations allowed a detailed discussion of the papers the submissions and discussions showed that there is a wide range of soft computing applications to date the

topics covered by the conference range from applied to theoretical aspects of fuzzy neuro fuzzy and rough sets over to neural networks to single and multi objective optimisation contributions aboutparticleswarmoptimisation geneexpressionprogramming clustering classi cation supportvectormachines quantumevolutionandagentsystems have also been received one whole session was devoted to soft computing techniques in computer graphics imaging vision and signal processing

Semantic Web: Concepts, Technologies and Applications *2007-01-24*

the is growing at an astounding pace surpassing the 8 billion page mark however most pages are still designed for human consumption and cannot be processed by machines this book provides a well paced introduction to the semantic it covers a wide range of topics from new trends ontologies rules to existing technologies services and software agents to more formal aspects logic and inference it includes real world and complete examples of the application of semantic concepts how the technology presented and discussed throughout the book can be extended to other application areas

Algorithms and Applications 2010-04-20

this festschrift volume published to honor esko ukkonen on his 60th birthday includes papers that present research on computational pattern matching and string algorithms two areas that have benefited significantly from the work of ukonen

Data Mining: Concepts, Methodologies, Tools, and Applications

2012-11-30

data mining continues to be an emerging interdisciplinary field that offers the ability to extract information from an existing data set and translate that knowledge for end users into an understandable way data mining concepts methodologies tools and applications is a comprehensive collection of research on the latest advancements and developments of data mining and how it fits into the current technological world

Surveillance Technologies and Early Warning Systems: Data Mining Applications for Risk Detection 2010-09-30

surveillance technologies and early warning systems data mining applications for risk detection has never been more important as the research this book presents an alternative to conventional surveillance and risk assessment this book is a multidisciplinary excursion comprised of data mining early warning systems information technologies and risk management and explores the intersection of these components in problematic domains it offers the ability to apply the most modern techniques to age old problems allowing for increased effectiveness in the response to future eminent and present risk

End User Computing Challenges and Technologies: Emerging Tools and Applications *2007-11-30*

examines practical research and case studies on such benchmark topics as biometric and security technology protection of digital assets and information multilevel computer self efficacy and end user development provides research into the advancement productivity and performance of the end user computing domain

Educaţie globală în contexte pedagogice non-formale / Global education in non-formal educational contexts *2019-01-01*

through this work the authors propose to contribute to the dissemination of global learning in terms of non formal education to promote the development of knowledge skills and abilities for the transition to sustainable consumption patterns thereby contributing to the complex education of the consumer under the motto of sustainable development the information presented in this publication complements the results obtained within the framework of the european project development education and awareness raising sincerely food implemented by non governmental organizations from latvia bulgaria croatia estonia and romania under the coordination of the lithuanian consumer institute the publication is structured on 7 chapters comprising in addition introduction and bibliography chapter i non formal education theoretical concepts chapter ii lifelong education chapter iii non formal education for sustainable development case study mobile tools in public spaces chapter iv interactive digital education chapter v simulation based training chapter vi digital storytelling chapter vii guided debate

Database systems for advanced applications *2003-08-02*

th 2002 dexa the 13 international conference on database and expert systems applications was held on september 2 6 2002 at the université aix marseille ii france the quickly growing field of information systems required the establishment of more specialized discussion platforms the dawak conference ec conference egov conference and dexa workshops and there were held in parallel with dexa also in aix en provence the resulting book was prepared with great effort starting with the preparation of submitted papers the papers went through the reviewing process the accepted papers were revised to final versions by their authors and arranged to the conference program this year 241 papers were submitted and our thanks go to all who have contributed the program committee and the supporting reviewers produced altogether about 730 referee reports on average three reports per paper and selected 89 papers for presentation the papers presented here

encompass the extensive domain of databases together with the other conferences and workshops of the dexa event cluster a vast part of applied computer science was covered in this way dexa has blazed the trail at this point we would like to acknowledge to all institutions which actively supported this conference and made it possible these are iut université aix marseille ii faw dexa association the austrian computer society and microsoft research

Database and Expert Systems Applications *2010-11-30*

this book examines current state of the art research in the area of service sectors and their interactions linkages applications and support using information systems provided by publisher

Information Systems and New Applications in the Service Sector: Models and Methods 2017-06-29

this book introduces context aware computing providing definitions categories characteristics and context awareness itself and discussing its applications with a particular focus on smart learning environments it also examines the elements of a context aware system including acquisition modelling reasoning and distribution of context it also reviews applications of context aware computing both past and present to offer readers the knowledge needed to critically analyse how context awareness can be put to use it is particularly to those new to the subject area who are interested in learning how to develop context aware computing oriented applications as well as postgraduates and researchers in computer engineering communications engineering related areas of information technology it further it provides practical know how for professionals working in it support and technology consultants and business decision makers and those working in the medical human and social sciences

Context-Aware Communication and Computing: Applications for Smart Environment 2012-02-21

rough set theory introduced by pawlak in the early 1980s has become an important part of soft computing within the last 25 years however much of the focus has been on the theoretical understanding of rough sets with a survey of rough sets and their applications within business and industry much desired rough sets selected methods and applications in management and engineering provides context to rough set theory with each chapter exploring a real world application of rough sets rough sets is relevant to managers striving to improve their businesses industry researchers looking to improve the efficiency of their solutions and university researchers wanting to apply rough sets to real world problems

Rough Sets: Selected Methods and Applications in Management and Engineering *2012-03-14*

nowadays applications are almost omnipresent the has become a platform not only for information delivery but also for ecommerce systems social networks mobile services and distributed learning environments engineering applications involves many intrinsic challenges due to their distributed nature content orientation and the requirement to make them available to a wide spectrum of users who are unknown in advance the authors discuss these challenges in the context of well established engineering processes covering the whole product lifecycle from requirements engineering through design and implementation to deployment and maintenance they stress the importance of models in application development and they compare well known specific development processes like webml wsdm and oohdm to traditional software development approaches like the waterfall model and the spiral model

Engineering Web Applications 2014-01-15

this book focuses on information systems discipline and working towards the delivery of the main implications that the semantic brings to information systems and the information knowledge society it discusses the technology of the semantic in the context of information systems it establishes knowledge transfer and personal development channels in these areas academia industry and government

Database and Expert Systems Applications *2017-09-22*

information retrieval ir aims at defining systems able to provide a fast and effective content based access to a large amount of stored information the aim of an ir system is to estimate the relevance of documents to users information needs expressed by means of a query this is a very difficult and complex task since it is pervaded with imprecision and uncertainty most of the existing ir systems offer a very simple model of ir which privileges efficiency at the expense of effectiveness a promising direction to increase the effectiveness of ir is to model the concept of partially intrinsic in the ir process and to make the systems adaptive i e able to learn the user s concept of relevance to this aim the application of soft computing techniques can be of help to obtain greater flexibility in ir systems

Innovations, Developments, and Applications of Semantic Web and Information Systems *2000-05-26*

information infrastructures are integrated solutions based on the fusion of information and communication technologies they are characterized by the large amount of data that must be managed accordingly an information infrastructure requires an efficient and effective information retrieval system to provide access to the items stored in the infrastructure terminological ontologies design management and practical applications presents the main problems that affect the discovery systems of information infrastructures to manage

terminological models and introduces a combination of research tools and applications in semantic technologies this book specifically analyzes the need to create relate and integrate the models required for an infrastructure by elaborating on the problem of accessing these models in an efficient manner via interoperable services and components terminological ontologies design management and practical applications is geared toward information management systems and semantic web professionals working as project managers application developers government workers and more advanced undergraduate and graduate level students professors and researchers focusing on computer science will also find this book valuable as a secondary text or reference book

Soft Computing in Information Retrieval *2014-01-15*

this reference set provides a complete understanding of the development of applications and concepts in clinical patient and hospital information systems provided by publisher

Database and Expert Systems Applications *2010-08-03*

recently we have seen a steep increase in the popularity and adoption of xml in areas such as traditional databases e business the scientific environment and on the web querying xml documents and data efficiently is a challenging issue this book approaches search on xml data by combining content based methods from information retrieval and structure based xml query methods and presents the following parts applications query languages retrieval models implementing intelligent xml systems and evaluation to appreciate the book basic knowledge of traditional database technology information retrieval and xml is needed the book is ideally suited for courses or seminars at the graduate level as well as for education of research and development professionals working on applications digital libraries database systems and information retrieval

Terminological Ontologies *2009-12-31*

as information technology becomes a vital part of our everyday activities ranging from personal use to government and defense applications the need to develop high assurance systems increases data and applications security and privacy are crucial elements in developing such systems research directions in data and applications security xviii presents original unpublished research results practical experiences and innovative ideas in the field of data and applications security and privacy topics presented in this volume include database theory inference control data protection techniques distributed systems access control models security policy design and management privacy network security this book is the eighteenth volume in the series produced by the international federation for information processing ifip working group 11 3 on data and applications security it contains twenty three papers and two invited talks that were presented at the eighteenth annual ifip wg 11 3 conference on data and applications security which was sponsored by ifip and held in sitges catalonia spain in july 2004 research directions in data and applications security xviii is a high quality reference volume that addresses several aspects of information protection and is aimed at researchers educators students and developers

Health Information Systems: Concepts, Methodologies, Tools, and Applications *2003-12-12*

this comprehensive book draws together experts to explore how knowledge technologies can be exploited to create new multimedia applications and how multimedia technologies can provide new contexts for the use of knowledge technologies thorough coverage of all relevant topics is given the step by step approach guides the reader from fundamental enabling technologies of ontologies analysis and reasoning through to applications which have hitherto had less attention

Intelligent Search on XML Data *2004-07-15*

semantics services and processes promise better re use universal interoperability and integration semantics has been recognized as the primary tool to address the challenges of a broad spectrum of heterogeneity and for improving automation through machine understandable descriptions semantic services processes and applications brings contributions from researchers who study explore and understand the semantic enabling of all phases of semantic processes this encompasses design annotation discovery choreography and composition also this book presents fundamental capabilities and techniques associated with ontological modeling or services annotation matching and mapping and reasoning this is complemented by discussion of applications in e government and bioinformatics special bulk rates are available for course adoption through publishing editor

Research Directions in Data and Applications Security XVIII *2008-01-11*

this volume contains a collection of papers that provides a unique novel and up to date overview of how software agents technology is being applied in very diverse problems in health care ranging from community care to management of organ transplants it also provides an introductory survey that highlights the main issues to be taken into account when deploying agents in the health care area the intended audience includes graduate and postgraduate students specializing in artificial intelligence and researchers interested in the application of new technologies

Semantic Multimedia and Ontologies *2014-01-15*

the architectural concept of a memory hierarchy has been immensely successful making possible today s spectacular pace of technology evolution in both the volume of data and the speed of data access its success is

difficult to understand however when examined within the traditional memoryless framework of performance analysis the memoryless framework cannot properly reflect a memory hierarchy s ability to take advantage of patterns of data use that are transient the fractal structure of data reference applications to the memory hierarchy both introduces and justifies empirically an alternative modeling framework in which arrivals are driven by a statistically self similar underlying process and are transient in nature the substance of this book comes from the ability of the model to impose a mathematically tractable structure on important problems involving the operation and performance of a memory hierarchy it describes events as they play out at a wide range of time scales from the operation of file buffers and storage control cache to a statistical view of entire disk storage applications striking insights are obtained about how memory hierarchies work and how to exploit them to best advantage the emphasis is on the practical application of such results the fractal structure of data reference applications to the memory hierarchy will be of interest to professionals working in the area of applied computer performance and capacity planning particularly those with a focus on disk storage the book is also an excellent reference for those interested in database and data structure research

Worldwide Computing and Its Applications 2010-12-15

this book deals with experience management in the context of real world applicability and realistic applications a particular focus is given by the requirements that arise in complex problem solving and by the fact that modern experience management must be implemented as internet based applications concrete application areas that are discussed in this book are electronic commerce diagnosis of complex technical equipment and electronic design reuse this book explores how experience management can be supported by information technology especially by techniques that stem from knowledge based systems case based reasoning machine learning and process modeling it surveys different methods in a unified terminology and investigates them with respect to application requirements further the process of application development and maintenance is highlighted pointing out successful practically proven ways for obtaining and operating experience management applications

Semantic Web Services, Processes and Applications *2012-12-06*

starting with napster and gnutella peer to peer systems became an integrated part of the internet fabric attracting millions of users this book provides an introduction to the field it draws together prerequisites from various fields presents techniques and methodologies and gives an overview on the applications of the peer to peer paradigm

Applications of Software Agent Technology in the Health Care Domain *2006-04-11*

in just few years case based reasoning has evolved from a research topic studied at a small number of specialized academic labs into an industrial strength technology applied in various fields the inreca methodology presented in detail in this monograph provides a data analysis framework for developing case based reasoning solutions for successful applications in real world industrial contexts the book is divided into parts on smarter business with case based decision support developing case based applications using the inreca methodology and using the methodology in various application domains the book provides a self contained introduction to case based reasoning applications that address both r d professionals and general it managers interested in this powerful new technology in this second edition improvements and updates have been incorporated throughout the text particularly useful is the systematic coverage of experience factory applications at various steps and of course the references have been extended substantially

The Fractal Structure of Data Reference 2002-08-28

the five volume set lncs 3980 3984 constitutes the refereed proceedings of the international conference on computational science and its applications iccsa 2006 held in glasgow uk in may 2006 the five volumes present a total of 664 papers selected from over 2300 submissions the papers present a wealth of original research

results in the field of computational science from foundational issues in computer science and mathematics to advanced applications in virtually all sciences making use of computational techniques the topics of the refereed papers are structured according to the five major conference themes computational methods algorithms and applications high performance technical computing and networks advanced and emerging applications geometric modelling graphics and visualization information systems and information technologies moreover submissions from 31 workshops and technical sessions in the areas such as information security mobile communication grid computing modeling optimization computational geometry virtual reality symbolic computations molecular structures systems and intelligence spatial analysis bioinformatics and geocomputations contribute to this publication

Experience Management *2014-01-15*

this text looks at a number of issues from the initial collection of data through its planning and control use of in marketing and demand management in the aspects of the application of information techology to the transport industry it is aimed at students of transport systems who are seeking information on techniques used within the industry and the specialist practitioner seeking a description of related fields with a view to the development of linked transport systems or seeking inspiration from the methods adapted by specialists in other areas

Intelligent Agents for Telecommunication Applications *2005-09-29*

this volume contains the proceedings of the second international workshop on advanced teleservices and high speed communication architectures iwaca 94 held in heidelberg germany in september 1994 the iwaca workshop is a platform for the exchange among researchers and developers from both the multimedia applications and the high speed telecommunication communities the book presents revised versions of the 36 papers accepted for presentation at the workshop they cover several aspects of multimedia applications and asynchronous transfer mode atm and focus on atm lans and atm for the wide area high performance network

of the future

Peer-to-Peer Systems and Applications *2003-12-22*

Developing Industrial Case-Based Reasoning Applications *2006*

Computational Science and Its Applications - ICCSA 2006 *1987-12*

Information Technology Applications in Transport *1994-09-21*

Multimedia: Advanced Teleservices and High-Speed Communication Architectures

Information computing and applications

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