

Free pdf Managing change in construction projects a knowledge based approach (PDF)

Decision Support Systems Knowledge-Based Information Systems in Practice Artificial Intelligence A Knowledge-Based Approach to Program Understanding Deep-sea Sponge Ecosystems: Knowledge-based Approach Towards Sustainable Management and Conservation Towards Digital Intelligence Society Intelligent Systems for Engineering Learning Search Control Knowledge Managing Change in Construction Projects Knowledge Management and its Integrative Elements Introduction to Knowledge Base Systems Knowledge-Based Configuration Knowledge-Based Systems Machine Translation Intelligent Knowledge-Based Systems Exemplar-based Knowledge Acquisition Validation and Verification of Knowledge Based Systems Knowledge-Based Neurocomputing: A Fuzzy Logic Approach Stereotypes as Social Concepts on a Knowledge-based Approach to Categorization A Knowledge-Based Approach to Program Understanding The Professional Knowledge Base of Science Teaching Knowledge Capital Knowledge Based Management A Knowledge-Based Approach to Handling Exceptions in Workflow Systems Intelligent Knowledge Based Systems Knowledge-based Manufacturing Management Knowledge-Based Urban Development: Planning and Applications in the Information Era An Approach to Knowledge Base Management Managing Knowledge A Script-based Approach to Modifying Knowledge Bases Knowledge Management Knowledge Based Management Knowing in Organizations: A Practice-Based Approach Knowledge-based Design Systems Verb Sense Discovery in Mandarin Chinese—A Corpus based Knowledge-Intensive Approach A Script-based Approach to Modifying Knowledge Bases Program Design for Knowledge Based Systems Knowledge Management and Management Learning: Word Expert Semantics Enterprise Knowledge Management

Decision Support Systems

1996

this book contains innovative research from leading researchers who presented their work at the 17th international conference on knowledge based and intelligent information and engineering systems kes 2013 held in kitakyushu japan in september 2013 the conference provided a competitive field of 236 contributors from which 38 authors expanded their contributions and only 21 published a plethora of techniques and innovative applications are represented within this volume the chapters are organized using four themes these topics include data mining knowledge management advanced information processes and system modelling applications each topic contains multiple contributions and many offer case studies or innovative examples anyone that wants to work with information repositories or process knowledge should consider reading one or more chapters focused on their technique of choice they may also benefit from reading other chapters to assess if an alternative technique represents a more suitable approach this book will benefit anyone already working with knowledge based or intelligent information systems however is suitable for students and researchers seeking to learn more about modern artificial intelligence techniques

Knowledge-Based Information Systems in Practice

2015-01-21

comprehensive survey introduces all major areas of artificial intelligence ideal for those with programming skill in one high level language

Artificial Intelligence

1988

program understanding plays an important role in nearly all software related tasks it is vital to the development maintenance and reuse activities program understanding is indispensable for improving the quality of software development several development activities such as code reviews debugging and some testing approaches require programmers to read and understand programs maintenance activities cannot be performed without a deep and correct understanding of the component to be maintained program understanding is vital to the reuse of code components because they cannot be utilized without a clear understanding of what they do if a candidate reusable component needs to be modified an understanding how it is designed is also required of this monograph presents a knowledge based approach to the automation of program understanding this approach generates rigorous program documentation mechanically by combining and building on strengths of a practical program decomposition method the axiomatic correctness notation and the knowledge based analysis approaches more specifically this approach documents programs by generating first

order predicate logic annotations of their loops in this approach loops are classified according to their complexity levels based on this taxonomy variations on the basic analysis approach that best fit each of the different classes are described in general mechanical annotation of loops is performed by first decomposing them using data flow analysis this decomposition encapsulates interdependent statements in events which can be analyzed individually

A Knowledge-Based Approach to Program Understanding

2012-12-06

this book aims to provide readers with up to date knowledge on how to make these technologies smarter humanity is now going through difficult times to fight the covid 19 pandemic simultaneously in these difficult times of physical separation we can also realize how much digital society technology helps us cope with many difficulties that bring us this time the authors focus on selected research challenges for intelligent digital society and state of the art methods of how to face them the book s subtitle suggests that a core concept that the reader can study from various points of view in particular book chapters is the knowledge the knowledge that can help us intelligently face different digital society challenges part i of this book the knowledge extracted from available big data employing intelligent analysis techniques part ii for efficient processing and analysis of data there is a strong need for smart data and information modeling techniques part iii

Deep-sea Sponge Ecosystems: Knowledge-based Approach Towards Sustainable Management and Conservation

2023-02-28

when men of knowledge impart this knowledge i do not mean they will convince your reason i mean they will awaken in you the faith that it is so sri krishna bhagavadgita background the use of computers has led to significant productivity increases in the engineering industry most of the computer aided engineering applications were restricted to algorithmic computations such as finite element programs and circuit analysis programs however a number of problems encountered in engineering are not amenable to purely algorithmic solutions these problems are often ill structured the term ill structured problems is used here to denote problems that do not have a clearly defined algorithmic solution an experienced engineer deals with these ill structured problems using his/her judgment and experience the knowledge based systems kbs technology which emerged out of research in artificial intelligence ai offers a methodology to solve these ill structured engineering problems the emergence of the kbs technology can be viewed as the knowledge revolution other important events that led to increased productivity are the industrial revolution 17th century the invention of the transistor and associated developments first half of the 20th century and the world wide web towards the end of the 20th century kurzweil in a lecture at MIT on december 3 1987 linked the progress of automation to two industrial revolutions the first industrial preface xxxii revolution leveraged our physical

capabilities whereas the second industrial revolution the knowledge revolution is expected leverage our mental capabilities

Towards Digital Intelligence Society

2020-12-21

the ability to learn from experience is a fundamental requirement for intelligence one of the most basic characteristics of human intelligence is that people can learn from problem solving so that they become more adept at solving problems in a given domain as they gain experience this book investigates how computers may be programmed so that they too can learn from experience specifically the aim is to take a very general but inefficient problem solving system and train it on a set of problems from a given domain so that it can transform itself into a specialized efficient problem solver for that domain on a knowledge intensive recently there has been considerable progress made learning approach explanation based learning ebl that brings us closer to this possibility as demonstrated in this book ebl can be used to analyze a problem solving episode in order to acquire control knowledge control knowledge guides the problem solver's search by indicating the best alternatives to pursue at each choice point an ebl system can produce domain specific control knowledge by explaining why the choices made during a problem solving episode were or were not appropriate

Intelligent Systems for Engineering

2012-12-06

managing change in construction projects a knowledge based approach offers a new perspective on construction project change by viewing the process of change management as a knowledge intensive activity where team members bring their tacit and explicit knowledge into the situation share create and capture this collective knowledge for future re use in similar situations through this knowledge based approach construction teams can successfully resolve and learn from change events leading to an overall improved performance of the industry the book will make a significant contribution to our understanding of construction project change by offering new theoretical and practical insights and models grounded in results of case studies conducted within two collaborative construction project team settings by demonstrating how the social construction of knowledge works in construction settings the authors challenge the prevailing change management solutions based on hard it approaches they put forward a balanced view that incorporates both it based and socially constructed approaches to effective management of construction project change helps construction managers to improve and learn through the process of construction project change presents new theoretical models and offers practical guidelines first research based book to directly address project change from a knowledge based perspective draws on detailed studies with construction companies including ballast construction and kier construction encourages a move from the information driven process integrated approach to a knowledge based view

Learning Search Control Knowledge

2012-12-06

knowledge in the realm of knowledge management information plus wisdom equals knowledge organizations have found that the knowledge they contain can be one of their most important competitive weapons definition knowledge management the ability of an organization to manage store value and distribute knowledge some organizations have created the position of chief knowledge manager ckm to handle knowledge management responsibilities many organizations fail to effectively manage and use the most important competitive edge they possess their knowledge and intellectual capital this book covers the entire growing field of knowledge management with particular emphasis on knowledge based systems and their use in preserving knowledge in an organization and integrating it across departments and disciplines this hands on guide shows how businesses and other organizations can re engineer their processes using an applied knowledge based approach each chapter introduces a different aspect of the field and demonstrates its application in actual case studies examples from industry education and government show the wide application of this exciting new field of study the book also covers promising trends such as learning organizations intelligent organizations and enterprise management

Managing Change in Construction Projects

2011-01-31

knowledge based configuration incorporates knowledge representation formalisms to capture complex product models and reasoning methods to provide intelligent interactive behavior with the user this book represents the first time that corporate and academic worlds collaborate integrating research and commercial benefits of knowledge based configuration foundational interdisciplinary material is provided for composing models from increasingly complex products and services case studies the latest research and graphical knowledge representations that increase understanding of knowledge based configuration provide a toolkit to continue to push the boundaries of what configurators can do and how they enable companies and customers to thrive includes detailed discussion of state of the art configuration knowledge engineering approaches such as automated testing and debugging redundancy detection and conflict management provides an overview of the application of knowledge based configuration technologies in the form of real world case studies from sap siemens kapsch and more explores the commercial benefits of knowledge based configuration technologies to business sectors from services to industrial equipment uses concepts that are based on an example personal computer configuration knowledge base that is represented in an uml based graphical language

Knowledge Management and its Integrative Elements

1997-05-21

a knowledge based system kbs is a system that uses artificial intelligence techniques in problem solving processes to support human decision making learning and action ideal for advanced undergraduate and graduate students as well as business professionals this text is designed to help users develop an appreciation of kbs and their architecture and understand a broad variety of knowledge based techniques for decision support and planning it assumes basic computer science skills and a math background that includes set theory relations elementary probability and introductory concepts of artificial intelligence each of the 12 chapters is designed to be modular providing instructors with the flexibility to model the book to their own course needs exercises are incorporated throughout the text to highlight certain aspects of the material presented and to simulate thought and discussion a comprehensive text and resource knowledge based systems provides access to the most current information in kbs and new artificial intelligences as well as neural networks fuzzy logic genetic algorithms and soft systems

Introduction to Knowledge Base Systems

1986

all over the world people are claiming their rights are these claims prompted by similar values and aspirations and even if human rights are universal what are the consequences of claiming them in different historical cultural and material realities the diversity of african countries considered in this book compels careful thought about these questions

Knowledge-Based Configuration

2014-04-02

this five volume set clearly manifests the great significance of these key technologies for the new economies of the new millennium the discussions provide a wealth of practical ideas intended to foster innovation in thought and consequently in the further development of technology together they comprise a significant and uniquely comprehensive reference source for research workers practitioners computer scientists academics students and others on the international scene for years to come

Knowledge-Based Systems

2009-08-25

learning from past experiences is a fundamental element of intelligent behavior an important organizing principle of such learning is that common experiences are collected into categories or cases despite its simple description this principle is surprisingly difficult to implement computationally this book describes the design implementation and experimental evaluation of the protos knowledge acquisition system a practical tool for the construction of knowledge based programs protos is a case based learning apprentice that learns by solving problems under the guidance of an expert teacher

Machine Translation

1992

knowledge based kb technology is being applied to complex problem solving and critical tasks in many application domains concerns have naturally arisen as to the dependability of knowledge based systems kbs as with any software attention to quality and safety must be paid throughout development of a kbs and rigorous verification and validation v v techniques must be employed research in v v of kbs has emerged as a distinct field only in the last decade and is intended to address issues associated with quality and safety aspects of kbs and to credit such applications with the same degree of dependability as conventional applications in recent years v v of kbs has been the topic of annual workshops associated with the main ai conferences such as aaai ijaci and ecai validation and verification of knowledge based systems contains a collection of papers dealing with all aspects of kbs v v presented at the fifth european symposium on verification and validation of knowledge based systems and components eurovav 99 which was held in oslo in the summer of 1999 and was sponsored by det norske veritas and the british computer society s specialist group on expert systems sges

Intelligent Knowledge-Based Systems

2010-04-28

this book details the state of the art in knowledge based neurocomputing it introduces a novel fuzzy rule base known as fuzzy all permutations rule base farb and presents new connections between artificial neural networks and farb

Exemplar-based Knowledge Acquisition

1989

the knowledge based approach to the automation of program understanding presented here plays an important role in nearly all software related tasks it is vital to the development maintenance and re use activities and is indispensable in improving the quality of software development the approach described generates rigorous program documentation mechanically by combining and building on the strengths of a practical program decomposition method the axiomatic correctness notation and the knowledge based analysis approach audience computer science students at the advanced graduate level and researchers and practitioners interested in software development maintenance and re use suitable as a secondary text for graduate level courses in software engineering and logic programming and as a reference for researchers and practitioners in industry

Validation and Verification of Knowledge Based Systems

2013-04-17

over the past twenty years much has been written about the knowledge bases thought necessary to teach science shulman has outlined seven knowledge domains needed for teaching and others such as tamir have proposed somewhat similar domains of knowledge specifically for science teachers aspects of this knowledge have changed because of shifts in curriculum thinking and the current trends in science education have seen a sharp increase in the significance of the knowledge bases the development of a standards based approach to the quality of science teaching has become common in the western world and phrases such as evidence based practice have been tossed around in the attempt to measure such quality the professional knowledge base of science teaching explores the knowledge bases considered necessary for science teaching it brings together a number of researchers who have worked with science teachers and they address what constitutes evidence of high quality science teaching on what basis such evidence can be judged and how such evidence reflects the knowledge basis of the modern day professional science teacher this is the second book produced from the monash university king s college london international centre for the study of science and mathematics curriculum the first book presented a big picture of what science education might be like if values once again become central while this book explores what classroom practices may look like based on such a big picture

Knowledge-Based Neurocomputing: A Fuzzy Logic Approach

2009-01-17

knowledge capital how knowledge based enterprises really get built is an integrated structured set of conversations with thought leaders and key

practitioners in the fields of intellectual capital and knowledge management who examine in the form of conversations the steps necessary for creating and implementing the various dimensions of a knowledge based enterprise these are the dimensions that need to be effectively addressed for the organization to successfully make the transition from an activity based organization to a truly knowledge based enterprise the conversations that make up knowledge capital are not studies of theory separated from practice or practice without a strong theoretical base rather they are the stories of how knowledge based enterprises really get built in the words of the people who built them while every contributor begins from his or her own unique perspective and background each moves toward a convergent understanding of the core elements perspectives and practices involved these systemic conversations provide a body of knowledge and experience on how to craft and implement strategies as well as the how values learning performance relationships innovation and change play in the development of usable knowledge environment these explorations together lead to a mapping of what are quickly becoming the foundations of the next stage of the field knowledge capital gives the reader a readily accessible collection of insights and experiences essential for the new era in intellectual capital and knowledge management

Stereotypes as Social Concepts on a Knowledge-based Approach to Categorization

1994

this work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it this work was reproduced from the original artifact and remains as true to the original work as possible therefore you will see the original copyright references library stamps as most of these works have been housed in our most important libraries around the world and other notations in the work this work is in the public domain in the united states of america and possibly other nations within the united states you may freely copy and distribute this work as no entity individual or corporate has a copyright on the body of the work as a reproduction of a historical artifact this work may contain missing or blurred pages poor pictures errant marks etc scholars believe and we concur that this work is important enough to be preserved reproduced and made generally available to the public we appreciate your support of the preservation process and thank you for being an important part of keeping this knowledge alive and relevant

A Knowledge-Based Approach to Program Understanding

1995-07-31

this book covers theoretical thematic and country specific issues of knowledge cities to underline the growing importance of kbud all around the world providing substantive research on the decisive lineaments of urban development for knowledge based production drawing attention to new planning processes to foster such development and worldwide best practices and case studies in the field of urban development provided by publisher

The Professional Knowledge Base of Science Teaching

2011-03-01

this book addresses the development of a new generation of systems knowledge base management systems kbms specially constructed for effective and efficient management of knowledge bases with the aim of filling part of the technological gap between artificial intelligence and databases the book first investigates in detail the design process the architecture and the working methods of knowledge based systems ks in order to point out the key characteristics of the field as well as its current limitations which serve then as basis for an exact formulation of ks requirements an analysis and evaluation of other approaches e g conventional dbs non standard dbs coupling expert systems and dbs to knowledge management is given the book shows that in developing kbms the experience obtained by the investigation of each of these approaches is extremely important since they provide the basic concepts for building kbms the approaches should not be viewed as complete and final but as part of research work towards kbms a novel architecture is described for kbms which integrates the functionality flexibility and modeling power of dbs and ai the main part of the book deals with all important architectural problems of kbms methods for knowledge representation with special emphasis on abstraction concepts language proposals and concepts for performance improvement the book is based on practical experience accumulated over five years of successful research in coupling existing expert systems and dbs extending dbs with deductive capabilities and above all in the design and implementation of a kbms prototype thus the book s proposals are illustrated with detailed descriptions of their realization in existing systems or prototypes

Knowledge Capital

2003

knowledge management is a hot topic in the modern corporate world and this unique practical book helps managers utilize corporate information to achieve real gains in productivity and profitability

Knowledge Based Management

1996

abstract our goal is to build knowledge acquisition tools that support users in modifying knowledge based systems these modifications may require several individual changes to various components of the knowledge base which need to be carefully coordinated to prevent users from leaving the knowledge based system in an unusable state this paper describes an approach to building knowledge acquisition tools which capture knowledge about commonly occurring modification sequences and support users in completing the modifications they start these sequences which we call ka scripts

relate individual changes and the effects that they have on the knowledge base we discuss our experience in designing and compiling a library of ka scripts we also describe the implementation of a tool that uses them and our preliminary evaluations that demonstrate their usability

A Knowledge-Based Approach to Handling Exceptions in Workflow Systems

2015-09-05

as we move towards an increasingly knowledge based economy the ability to manage knowledge becomes a matter of competitive survival whilst current literature addresses the subject only partially from a human resource information systems or practitioner perspective this is the first textbook to bring together and integrate all these dimensions knowledge management an integrated approach is centred around five parts of the knowledge cycle discovering knowledge generating knowledge evaluating knowledge sharing knowledge and leveraging knowledge the blend of theory and practice makes this the ideal resource for students studying knowledge management courses within business management information science and computer science degrees at both undergraduate and postgraduate levels key features bull bull the first truly integrated approach to knowledge management offers the student the most realistic and complete perspective bull case studies and vignettes from a range of sectors and organisations illustrate the theory in practice bull the comprehensive coverage offers an accessible bridge between disciplines for students and practitioners in the fields of human resource management information systems and strategic management bull chapters on intellectual capital and the philosophy of knowledge demonstrate the breadth of coverage from the evolution of the subject area to the leading edge of contemporary research bull learning outcomes exercises and questions for further thought stimulate the reader and encourage them to reflect on their learning this is an excellent book which manages to combine a consideration of the philosophy of knowledge with the practical discussion of what it means to manage knowledge in an organisational context the book integrates many disparate strands from the literature and in doing so provides a comprehensive and coherent coverage of this emerging area professor sue newell trustee professor department of management bentley college usa this book provides a very useful summary of key works and current debates in the fields of organisational learning and knowledge management it will be of value both to new students and to experienced scholars who are looking for a succinct overview of the field professor mark easterby smith professor of management learning school of management lancaster university uk and chair british academy of management dr ashok jashapara is an internationally recognised expert in the field of knowledge management and chair of the knowledge management research group at loughborough university he has considerable consultancy experience in europe and the united states and has recently completed a knowledge management assignment for the united nations in the far east he is senior lecturer in knowledge management in the most prestigious and highly rated information science department in the uk he has published widely in leading books and journals and has won a number of awards for his writing

Intelligent Knowledge Based Systems

1986

this work explores the relationship among knowing learning and practice in the development of organizational knowledge it explores the implications for intervention growing out of the notion that organizational knowledge cannot be conceived as a mental process residing in members heads

Knowledge-based Manufacturing Management

1991

this book applies linguistic analysis to the poetry of emeritus professor edwin thumboo a singaporean poet and leading figure in commonwealth literature the work explores how the poet combines grammar and metaphor to create meaning making the reader aware of the linguistic resources developed by thumboo as the basis for his unique technique the author approaches the poems from a functional linguistic perspective investigating the multiple layers of meaning and metaphor that go into producing these highly textured grammatically intricate verbal works of art the approach is based on the systemic functional theory which aids the study of how the poet uses language grammar to craft his text in a playful way that reflects a love of the language the multilingual and multicultural experiences of the poet are considered to have contributed to his uniquely creative use of language this work demonstrates how the systemic functional theory with its emphasis on exploring the semogenic meaning making power of language provides the perspective we need to better understand poets works as intentional acts of meaning readers will discover how the works of edwin thumboo illustrate well a point made by barthes who noted that bits of code formulae rhythmic models fragments of social languages etc pass into the text and are redistributed within it for there is always language before and around the text with a focus on meaning this functional analysis of poetry offers an insightful look at the linguistic basis of edwin thumboo s poetic technique the work will appeal to scholars with an interest in linguistic analysis and poetry from the commonwealth and new literature and it can also be used to support courses on literary stylistics or text linguistics

Knowledge-Based Urban Development: Planning and Applications in the Information Era

2008-02-28

abstract our goal is to build knowledge acquisition tools that support users in modifying knowledge based systems these modifications may require several individual changes to various components of the knowledge base which need to be carefully coordinated to prevent users from leaving the knowledge based system in an unusable state this paper describes an approach to building knowledge acquisition tools which capture knowledge about commonly occurring modification sequences and support users in completing the modifications they start these sequences which we call ka scripts relate individual changes and the effects that they have on the knowledge base we discuss our experience in designing and compiling a library of ka scripts we also describe the implementation of a tool that uses them and our preliminary evaluations that demonstrate their usability

An Approach to Knowledge Base Management

1991-07-24

knowledge management and management learning extending the horizons of knowledge based management examines a range of topical considerations in the field by utilizing dynamic and non linear systems behavior or the complexity paradigm from this examination have come a number of new and promising relevant extensions to knowledge management and its practice many of the topics have been pulled from real world situations in actual companies and therefore these topical treatments reflect quantitative and qualitative research done within the knowledge management framework of actual company experience offered are a series of topical treatments that extend the parameters of knowledge management and examine the practical implications of these extensions the book begins with an extended introduction and theoretical framework the contributing authors have written chapters that add to both the framework and the practical consequences of knowledge management within this context the book illustrates why and how of knowledge management is important for companies

Managing Knowledge

1999

no detailed description available for word expert semantics

A Script-based Approach to Modifying Knowledge Bases

1997

this volume presents a methodology for defining measuring and improving data quality it lays out an economic framework for understanding the value of data quality then outlines data quality rules and domain and mapping based approaches to consolidating enterprise knowledge

Knowledge Management

2004

Knowledge Based Management

2007

Knowing in Organizations: A Practice-Based Approach

2016-09-16

Knowledge-based Design Systems

1990

Verb Sense Discovery in Mandarin Chinese—A Corpus based Knowledge-Intensive Approach

2014-09-29

A Script-based Approach to Modifying Knowledge Bases

1997

Program Design for Knowledge Based Systems

1987

Knowledge Management and Management Learning:

2005-07-01

Word Expert Semantics

2019-10-08

Enterprise Knowledge Management

2001

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