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for inclusion in the present book in order to complete coverage of the relevant topics the authors adress professionals involved in the design and management of embedded systems in industry as well as researchers and students interested in a competent survey the book will convince the reader that many architectural and algorithmic problems in the area of embedded systems have well documented optimal or correct solutions notably in the fields of real time computing distributed computing and fault tolerant computing this volume contains the proceedings of the tenth international congress on medical informatics mie 91 that will be held in vienna austria august 19 22 1991 the mie 91 congress was organized by the european federation for medical informatics efmi in cooperation with the austrian computer society ocg and the austrian society for biomedi cal engineering ogbmt it follows the previous congresses in cambridge 1978 berlin 1979 toulouse 1981 dublin 1982 brussels 1984 helsinki 1985 rome 1987 oslo 1988 and the congress 1990 in glasgow the proceedings contain 199 contributions to the mie 91 congress they cover all presentations which are part of the scientific programme of mie 91 among them 157 paper presentations with an average of five pages 28 poster presentations again with an average of five pages and 14 abstracts of demonstrations with an average of one page the papers included were selected by an international programme committee out of over 300 submissions after careful review by at least two international reviewers for whose estimable efforts we are especially thankful the recommendations of the re viewers were incorporated in the final texts some papers were reworked by a professional translator to obtain a high quality of presentation several submissions could not be considered for presenta tion at mie 91 because of shortage of congress time and limitations in the number of pages of the proceedings software development is a complex problem solving activity with a high level of uncertainty there are many technical challenges concerning scheduling cost estimation reliability performance etc which are further aggravated by weaknesses such as changing requirements team dynamics and high staff turnover thus the management of knowledge and experience is a key means of systematic software development and process improvement managing software engineering knowledge illustrates several theoretical examples of this vision and solutions applied to industrial practice it is structured in four parts addressing the motives for knowledge management the

concepts and models used in knowledge management for software engineering their application to software engineering and practical guidelines for managing software engineering knowledge this book provides a comprehensive overview of the state of the art and best practice in knowledge management applied to software engineering while researchers and graduate students will benefit from the interdisciplinary approach leading to basic frameworks and methodologies professional software developers and project managers will also profit from industrial experience reports and practical guidelines the focus of this volume is heterogeneous knowledge and problem solving integration i e the combined use of different knowledge representation and problem solving paradigms this is a central topic for the design and implementation of problem solving systems since from a pragmatic and engineering standpoint the solution of a large class of problems cannot take place within one single representation language or problem solving paradigm heterogeneous systems represent not only a pragmatic answer but also a theoretical alternative to the homogeneous paradigms the primary purpose of this book is to trace the theoretical methodological foundations of american educational technology it must be emphasized that this work is essentially as history of the process of educational technology rather than of products in the form of devices or media although media have played an important rode in educational technology the reader should not lose sight of the central process which characterizes and underlies the true historical meaning and function of educational technology moreover the assumption is made that all current theory methodology and practice rests upon the heritage of the past indeed a common problem in the field has been the failure in many instances to take adequate account of past history in planning for the present or the future a related purpose of this book is to provide a selective survey of research in educational technology as it relates to the american public schools such research reviews are not intended to be comprehensive but were included because of their historical importance and their relevance in understanding the process of educational technology this is a comprehensive review of commutative algebra from localization and primary decomposition through dimension theory homological methods free resolutions and duality emphasizing the origins of the ideas and their connections with other parts of mathematics the book gives a concise treatment of

grobner basis theory and the constructive methods in commutative algebra and algebraic geometry that flow from it many exercises included edugorilla ca foundation quantitative aptitude paper 3 study notes are a comprehensive guide for aspirants preparing for ca foundation examination these ca foundation notes cover the entire syllabus to provide you with a well rounded understanding of the topics covered in ca foundation why edugorilla s ca foundation quantitative aptitude paper 3 study notes ca foundation quantitative aptitude paper 3 study notes provide concise theory and practice questions for better retainment of facts these notes cover topics from business mathematics logical reasoning and statistics our prep experts have broken down complex topics in ca foundation syllabus into simple easy to understand chapters these topics are further enriched with suitable examples graphs and illustrations ca foundation quantitative aptitude paper 3 book is curated by a team of experts at edugorilla composed of experienced educators and industry professionals first published in 1987 the technical knowledge that constitutes instructional technology includes practical procedures for using existing media to deliver instruction and also to deliver portions of instruction that supplement the communications of an instructor instructional technology includes practical techniques of instructional delivery that systematically aim for effective learning whether or not they involve the use of media it is a basic purpose of the field of instructional technology to promote and aid the application of these known and validated procedures in the design and delivery of instruction this volume contains the proceedings of the 5th congress of the european association for research and development in higher education eardhe and the dutch association for research and development in higher education crwo the focus of the congress was the application of new technology both in the fields of teaching learning and in management organization and administration though teaching and learning are the core fields of interest this work reflects the growing importance of r d in university management planning and organization three main themes are discussed the influence and consequences of new technologies for learning and instruction the influence and consequences for management and institutional structures and the possibilities of new technologies in developing countries this dissertation describes an intelligent computer aided instructional icai program named guidon with capabilities to carry on a structured case

method dialogue generate teaching material from production rules construct and verify a model of what the student knows and explain expert reasoning the principle objective of this research has been to convert mycin a knowledge based consultation program into an effective instructional tool guidon combines the subject matter knowledge of the consultation system with tutorial discourse knowledge while keeping the two distinct mycin like knowledge based consultation programs are designed to provide expert level advice about difficult scientific and medical problems high performance is attained by interpreting a large specialized set of facts and domain relations that take the form of rules about what to do in a given circumstance such a rule base is generally built by interviewing human experts to formulate the knowledge that they use to solve similar problems in their area of expertise while it is generally believed that these programs have significant educational potential little work has been done to evaluate the problems of realizing this potential the handbook of artificial intelligence volume ii focuses on the improvements in artificial intelligence ai and its increasing applications including programming languages intelligent cai systems and the employment of ai in medicine science and education the book first elaborates on programming languages for ai research and applications oriented ai research discussions cover scientific applications teiresias applications in chemistry dependencies and assumptions ai programming language features and lisp the manuscript then examines applications oriented ai research in medicine and education including icai systems design intelligent cai systems medical systems and other applications of ai to education the manuscript explores automatic programming as well as the methods of program specification basic approaches and automatic programming systems the book is a valuable source of data for computer science experts and researchers interested in conducting further research in artificial intelligence computer aided processes in instruction and research describes the course content computer performance software developed and the manner that they are used by each student during the design process this book describes the database that is developed to further aid students who use the digital computer organized into 24 chapters this book begins with an overview of the design of an aerospace vehicle this text then explains the fundamentals of microcomputers and the use of computer aided data acquisition in a mechanical measurements course

other chapters provide a brief explanation for the heavy use of graphics which is applied when comparing graphical input to numerical input this book presents as well a summary of work on a project that combines computer aided instruction cai and artificial intelligence ai the final chapter deals with the establishment of a joint venture between universities and industry whereby the university utilizes equipment provided by industry to solve some of the existing problems this book is a valuable resource for engineering students and practicing engineers covers expert systems software programs computer assisted instruction catalog automation online retrieval use and applications and management aspects price to individuals is 35 annotation copyright book news inc portland or this volume addresses the impact of cognitivism on teaching and learning in three ways the changes in the ways educators have come to view the learner as a result of cognitive theories the ways the immediate environment of the learner can be altered according to cognitive principles and the progress cognitive psychologists have made directly toward the teaching of specific subjects this collection of papers is the result of a symposium sponsored by nato s defense research group panel viii in the spring of 1985 the symposium came into being when it became obvious to the nato countries that research development and utilization of advanced technologies for training was the best means of increasing both training effectiveness and efficiency this symposium was the second in a series of three devoted to training the series was structured to cover all aspects of training the first series addressed the value of training the second one dealt with the application of training technologies and the third and last of the series focused on academic issues concerned with the effect of prior learning on subsequent learning the fact that a major american publisher has determined that computer based instruction is the technology of greatest interest to the nato community is not surprising advances in microprocessor technology have revolutionized both how and where we train during this symposium there were a limited number of carefully chosen exhibits to demonstrate the various applications of computer based training techniques in the following papers you will find both a practical and scientific basis for the way current and future training and training systems should be designed applied and utilized we know that training must be done faster and more effectively considers methodological aspects related to design and implementation

of symbolic computation systems this volume describes the proposed treatment of mathematical objects via techniques for method abstraction structures classification and exact representation the programming methodology which supports the design and implementation issues

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Applied Modelling and Simulation

1984

this book constitutes the refereed proceedings of the second international conference slaai icai 2018 held in moratuwa sri lanka in december 2018 the 32 revised full papers presented were carefully reviewed and selected from numerous submissions the papers are organized in the following topical sections intelligence systems neural networks game theory ontology engineering natural language processing agent based system signal and image processing

Artificial Intelligence

2019-07-04

the book has been primarily designed for the students of c a foundation course for the subject principles and practice of accounting it has been revised and remodelled according to the newly introduced c a foundation course and hence the subject matter has been thoroughly revised enlarged and updated the book provides conceptual knowledge and understanding of various principles and systems of accounting and their practical application in different sets of business transactions

Soviet Mathematics - Doklady

1973

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Soviet Mathematics

1973

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Grewal's Accountancy (For CA Foundation), 5e

2019-10-28

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on medical informatics mie 91 that will be held in vienna austria august 19 22 1991 the mie 91 congress was organized by the european federation for medical informatics efmi in cooperation with the austrian computer society ocg and the austrian society for biomedi cal engineering ogbmt it follows the previous congresses in cambridge 1978 berlin 1979 toulouse 1981 dublin 1982 brussels 1984 helsinki 1985 rome 1987 oslo 1988 and the congress 1990 in glasgow the proceedings contain 199 contributions to the mie 91 congress they cover all presentations which are part of the scientific programme of mie 91 among them 157 paper presentations with an average of five pages 28 poster presentations again with an average of five pages and 14 abstracts of demonstrations with an average of one page the papers included were selected by an international programme committee out of over 300 submissions after careful review by at least two international reviewers for whose estimable efforts we are especially thankful the recommendations of the re viewers were incorporated in the final texts some papers were reworked by a professional translator to obtain a high quality of presentation several submissions could not be considered for presenta tion at mie 91 because of shortage of congress time and limitations in the number of pages of the proceedings

Applied Informatics

1991

software development is a complex problem solving activity with a high level of uncertainty there are many technical challenges concerning scheduling cost estimation reliability performance etc which are further aggravated by weaknesses such as changing requirements team dynamics and high staff turnover thus the management of knowledge and experience is a key means of systematic software development and process improvement managing software engineering knowledge illustrates several theoretical examples of this vision and solutions applied to industrial practice it is structured in four parts addressing the motives for knowledge management the concepts and models used in knowledge management for software engineering their application to software engineering and practical guidelines for managing software

engineering knowledge this book provides a comprehensive overview of the state of the art and best practice in knowledge management applied to software engineering while researchers and graduate students will benefit from the interdisciplinary approach leading to basic frameworks and methodologies professional software developers and project managers will also profit from industrial experience reports and practical guidelines

Proceedings of the National Science Council, Republic of China

1998-10-14

the focus of this volume is heterogeneous knowledge and problem solving integration i e the combined use of different knowledge representation and problem solving paradigms this is a central topic for the design and implementation of problem solving systems since from a pragmatic and engineering standpoint the solution of a large class of problems cannot take place within one single representation language or problem solving paradigm heterogeneous systems represent not only a pragmatic answer but also a theoretical alternative to the homogeneous paradigms

Lectures on Embedded Systems

1991

the primary purpose of this book is to trace the theoretical methodological foundations of american educational technology it must be emphasized that this work is essentially as history of the process of educational technology rather than of products in the form of devices or media although media have played an important rode in educational technology the reader should not lose sight of the central process which characterizes and underlies the true historical meaning and function of educational technology moreover the assumption is made that all current theory methodology and practice rests upon the heritage of the past indeed a common problem in the field has been the failure in many

instances to take adequate account of past history in planning for the present or the future a related purpose of this book is to provide a selective survey of research in educational technology as it relates to the american public schools such research reviews are not intended to be comprehensive but were included because of their historical importance and their relevance in understanding the process of educational technology

CALISCE '91

1988

this is a comprehensive review of commutative algebra from localization and primary decomposition through dimension theory homological methods free resolutions and duality emphasizing the origins of the ideas and their connections with other parts of mathematics the book gives a concise treatment of grobner basis theory and the constructive methods in commutative algebra and algebraic geometry that flow from it many exercises included

CoED.

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and industry professionals

Medical Informatics Europe 1991

2013-04-17

first published in 1987 the technical knowledge that constitutes instructional technology includes practical procedures for using existing media to deliver instruction and also to deliver portions of instruction that supplement the communications of an instructor instructional technology includes practical techniques of instructional delivery that systematically aim for effective learning whether or not they involve the use of media it is a basic purpose of the field of instructional technology to promote and aid the application of these known and validated procedures in the design and delivery of instruction

Managing Software Engineering Knowledge

1990-06-01

this volume contains the proceedings of the 5th congress of the european association for research and development in higher education eardhe and the dutch association for research and development in higher education crwo the focus of the congress was the application of new technology both in the fields of teaching learning and in management organization and administration though teaching and learning are the core fields of interest this work reflects the growing importance of r d in university management planning and organization three main themes are discussed the influence and consequences of new technologies for learning and instruction the influence and consequences for management and institutional structures and the possibilities of new technologies in developing countries

Computational Intelligence, II

2004-03-01

this dissertation describes an intelligent computer aided instructional icai program named guidon with capabilities to carry on a structured case method dialogue generate teaching material from production rules construct and verify a model of what the student knows and explain expert reasoning the principle objective of this research has been to convert mycin a knowledge based consultation program into an effective instructional tool guidon combines the subject matter knowledge of the consultation system with tutorial discourse knowledge while keeping the two distinct mycin like knowledge based consultation programs are designed to provide expert level advice about difficult scientific and medical problems high performance is attained by interpreting a large specialized set of facts and domain relations that take the form of rules about what to do in a given circumstance such a rule base is generally built by interviewing human experts to formulate the knowledge that they use to solve similar problems in their area of expertise while it is generally believed that these programs have significant educational potential little work has been done to evaluate the problems of realizing this potential

The Evolution of American Educational Technology

1995-03-30

the handbook of artificial intelligence volume ii focuses on the improvements in artificial intelligence ai and its increasing applications including programming languages intelligent cai systems and the employment of ai in medicine science and education the book first elaborates on programming languages for ai research and applications oriented ai research discussions cover scientific applications teiresias applications in chemistry dependencies and assumptions ai programming language features and lisp the manuscript then examines applications oriented ai research in medicine and education including icai systems design intelligent cai systems medical systems and other applications of ai to education the manuscript explores automatic programming as well as the methods of program specification basic approaches and automatic programming systems the book is a valuable

source of data for computer science experts and researchers interested in conducting further research in artificial intelligence

Commutative Algebra

1995

computer aided processes in instruction and research describes the course content computer performance software developed and the manner that they are used by each student during the design process this book describes the database that is developed to further aid students who use the digital computer organized into 24 chapters this book begins with an overview of the design of an aerospace vehicle this text then explains the fundamentals of microcomputers and the use of computer aided data acquisition in a mechanical measurements course other chapters provide a brief explanation for the heavy use of graphics which is applied when comparing graphical input to numerical input this book presents as well a summary of work on a project that combines computer aided instruction cai and artificial intelligence ai the final chapter deals with the establishment of a joint venture between universities and industry whereby the university utilizes equipment provided by industry to solve some of the existing problems this book is a valuable resource for engineering students and practicing engineers

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Energy Research Abstracts

1991

this volume addresses the impact of cognitivism on teaching and learning in three ways the changes in the ways educators have come to view the learner as a result of cognitive theories the ways the immediate environment of the learner can be altered according to cognitive principles and the progress cognitive psychologists have made directly toward the teaching of specific subjects

The Leading Edge

2013-12-16

this collection of papers is the result of a symposium sponsored by nato s defense research group panel viii in the spring of 1985 the symposium came into being when it became obvious to the nato countries that research development and utilization of advanced technologies for training was the best means of increasing both training effectiveness and efficiency this symposium was the second in a series of three devoted to training the series was structured to cover all aspects of training the first series addressed the value of training the second one dealt with the application of training technologies and the third and last of the series focused on academic issues concerned with the effect of prior learning on subsequent learning the fact that a major american publisher has determined that computer based instruction is the technology of greatest interest to the nato community is not surprising advances in microprocessor technology have revolutionized both how and where we train during this symposium there were a limited number of carefully chosen exhibits to demonstrate the various applications of computer based training techniques in the following papers you will find both a practical and scientific basis for the way current and future training and training systems should be designed applied and utilized we know that training must be done faster and more effectively

Expert Systems and Intelligent Computer-aided Instruction

2013-10-22

considers methodological aspects related to design and implementation of symbolic computation systems this volume describes the proposed treatment of mathematical objects via techniques for method abstraction structures classification and exact representation the programming methodology which supports the design and implementation issues

Instructional Technology

1986

Higher Education and New Technologies

1979

Third International Conference on Logic Programming, Imperial College of Science and Technology, London, United Kingdom, July 14-18, 1986

1991

Transfer of Rule-based Expertise Through a Tutorial Dialogue

2014-05-12

Workshop on Expert Systems and Applications

2014-05-10

The Handbook of Artificial Intelligence

1990

Computer-Aided Processes in Instruction and Research

1989

Expert Systems in Education and Training

1990

Information Processing

1989

Expert Systems in Libraries

1990

Scandinavian Conference on Artificial

Intelligence 89

2012-12-06

Cognition, Curriculum and Literacy

1988

Computer-Based Instruction in Military Environments

1997-03-27

Computers in Human Behavior

1987

Applied Intelligence

1988

Advances in the Design of Symbolic Computation Systems

1992

Expert Systems for Civil Engineers

1987

Proceedings of the 1988 IEEE International Conference on Systems, Man and Cybernetics, August 8-12, 1988, Beijing and Shenyang, China

Ordnance

Proceedings