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Architecture Solutions for E-Learning Systems Pahl, Claus, 2007-11-30 This book provides fundamental research on the architecture of learning technology systems discussing such issues as the common structures in LTS and solutions for specific forms such as knowledge based distributed or adaptive applications of e learning Researchers and scholars in the fields of learning content software development computing and educational technologies and e learning will find it an invaluable resource Provided by publisher

E-learning Safeeullah Soomro, 2010-04-01 This book is consisting of 24 chapters which are focusing on the basic and applied research regarding e learning systems Authors made efforts to provide theoretical as well as practical approaches to solve open problems through their elite research work This book increases knowledge in the following topics such as e learning e Government Data mining in e learning based systems LMS systems security in e learning based systems surveys regarding teachers to use e learning systems analysis of intelligent agents using e learning assessment methods for e learning and barriers to use of effective e learning systems in education Basically this book is an open platform for creative discussion for future e learning based systems which are essential to understand for the students researchers academic personals and industry related people to enhance their capabilities to capture new ideas and provides valuable solution to an international community

Intelligent and Adaptive Educational-Learning Systems Alejandro Peña-Ayala, 2012-08-10 The Smart Innovation Systems and Technologies book series encompasses the topics of knowledge intelligence innovation and sustainability The aim of the series is to make available a platform for the publication of books on all aspects of single and multi disciplinary research on these themes in order to make the latest results available in a readily accessible form This book is devoted to the Intelligent and Adaptive Educational Learning Systems It privileges works that highlight key achievements and outline trends to inspire future research After a rigorous revision process twenty manuscripts were accepted and organized into four parts Modeling Content Virtuality and Applications This volume is of interest to researchers practitioners professors and postgraduate students aimed to update their knowledge and find out targets for future work in the field of artificial intelligence on education

Intelligent Interactive Multimedia Systems and Services George A. Tsihrintzis, Maria Virvou, Lakhmi C. Jain, Robert J. Howlett, 2011-06-19 This volume contains the Proceedings of the 4th International Conference on Intelligent Interactive Multimedia Systems and Services IIMSS 2011 IIMSS 2011 comes as a sequel to IIMSS 2008 Piraeus Athens Greece July 9 10 and 11 2008 IIMSS 2009 Mogliano Veneto near Venice Italy July 15 16 and 17 2009 and IIMSS 2010 Baltimore USA July 28 29 and 30 2010 This fourth edition of the IIMSS Conference was organized jointly by the Department of Informatics of the University of Piraeus Greece and the School of Electrical and Information Engineering of the University of South Australia in conjunction with KES International At a time when computers are more widespread than ever and computer users range from highly qualified scientists to non computer expert professionals and may include people with special needs interactivity personalization and adaptivity have become a

necessity in modern multimedia systems Modern intelligent multimedia systems need to be interactive not only through classical modes of interaction where the user inputs information through a keyboard or mouse They must also support other modes of interaction such as visual or lingual computer user interfaces which render them more attractive user friendlier more human like and more informative IIMSS is a new series of international scientific conferences aimed at presenting novel research in the fields of intelligent multimedia systems relevant to the development of a new generation of interactive user centric services

Toward Quality Assurance and Excellence in Higher Education Ahmed Odeh Al Jaber, 2022-09-01 Quality Assurance is not a new concept in the education sector in general and higher education in particular though it is becoming increasingly more relevant and important Higher education helps to improve an individual's quality of life by enabling them to inflate their knowledge and expertise to grasp abstract concepts and theories and to raise their awareness of the world and their community and as such the assurance of quality is becoming more pivotal in the whole education process There is no simple definition of the concept of quality in education though numerous models and theories have been devised *Toward Quality Assurance and Excellence of Higher Education* is a new episode of the Quality Assurance perception in higher education which identifies the quality culture and orientation from the beginning integrating crucial factors to build a pyramid of higher education excellence The book compares concepts from the main theories of Quality Assurance management and control when they are applied to educational systems in higher education The book also presents a new model of excellence in higher education Excellence is an architecture of building blocks that comes with process performance effectiveness harmony and collaboration which should be incorporated in a quality oriented concept of a sustainable excellence of higher education The model integrates four main facets the Educational System Quality Assurance Managing and Control Strategic Planning and Globalization Also presented are international best practices in quality assurance in higher education from Japan and Finland

Advances in Web-Age Information Management Wenfei Fan, Zhaohui Wu, Jun Yang, 2005-10-20 This book constitutes the refereed proceedings of the 6th International Conference on Web Age Information Management WAIM 2005 held in Hangzhou China in October 2005 The 48 revised full papers 50 revised short papers and 4 industrial papers presented together with 3 invited contributions were carefully reviewed and selected from 486 submissions The papers are organized in topical sections on XML performance and query evaluation data mining semantic Web and Web ontology data management information systems Web services and workflow data grid and database languages agent and mobile data database application and transaction management and 3 sections with industrial short and demonstration papers

Intelligent Collaborative e-Learning Systems and Applications Thanasis Daradoumis, Santi Caballé, Joan Manuel Marquès, Fatos Xhafa, 2009-10-01 Intelligent Collaborative e Learning Systems and Applications is a major research theme in CSCL and CSCW research community It comprises a variety of research topics that focus on developing systems that are more powerful and flexible and also more adaptable to the learning process and thus

provide better answers to the paradigmatic principles of on line collaborative learning and work The chapters collected in this book provide new insights findings and approaches both on the analysis and the development of more powerful e collaboration settings Researchers will find in this book the latest trends in these research topics On the other hand academics will find practical insights on how to use conceptual and experimental approaches in their daily tasks Finally developers from CSCL community can be inspired and put in practice the proposed models and evaluate them for the specific purposes of their own work and context **ECEL2004-3rd European Conference on E-Learning** D. Remenyi,2004-01-01

Emerging Technologies and Applications in Data Processing and Management Ma, Zongmin,Yan, Li,2019-06-28 Advances in web technology and the proliferation of sensors and mobile devices connected to the internet have resulted in the generation of immense data sets available on the web that need to be represented saved and exchanged Massive data can be managed effectively and efficiently to support various problem solving and decision making techniques Emerging Technologies and Applications in Data Processing and Management is a critical scholarly publication that examines the importance of data management strategies that coincide with advancements in web technologies Highlighting topics such as geospatial coverages data analysis and keyword query this book is ideal for professionals researchers academicians data analysts web developers and web engineers Innovations in Smart Cities Applications Edition 2 Mohamed Ben Ahmed,Anouar Abdelhakim Boudhir,Ali Younes,2019-02-06 This book highlights cutting edge research presented at the third installment of the International Conference on Smart City Applications SCA2018 held in T touan Morocco on October 10 11 2018 It presents original research results new ideas and practical lessons learned that touch on all aspects of smart city applications The respective papers share new and highly original results by leading experts on IoT Big Data and Cloud technologies and address a broad range of key challenges in smart cities including Smart Education and Intelligent Learning Systems Smart Healthcare Smart Building and Home Automation Smart Environment and Smart Agriculture Smart Economy and Digital Business and Information Technologies and Computer Science among others In addition various novel proposals regarding smart cities are discussed Gathering peer reviewed chapters written by prominent researchers from around the globe the book offers an invaluable instructional and research tool for courses on computer and urban sciences students and practitioners in computer science information science technology studies and urban management studies will find it particularly useful Further the book is an excellent reference guide for professionals and researchers working in mobility education governance energy the environment and computer sciences

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table of content next page enhancement adds code to the application data classes to integrate them with jdo as a result of enhancement the enhanced class implements the persistencecapable interface when jdo acts on an application data object it acts on it as a persistencecapable object

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object fields are accessed by their name you must use a name that is unambiguous you may use a simple name for a field within its own class for example we can add a statement within the rectangle class that prints the width and height system out println width and height are width height in this case width and height are

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using transient application data objects and objects of classes that are not persistence capable for parameter values is not portable across jdo implementations declaring the query s variables the query interface provides a method to declare

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in order to provide persistent services for the application s data objects jdo must manage the objects within a java virtual machine jvm jdo manages some objects and does not manage other objects if jdo manages an object it manages its persistent state or its transactional state or both

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managers using a persistence manager the application can control the life cycle and caching of application data objects it can get the identity object for a persistent application data object and it can later fetch the persistent object that corresponds to an identity object finally the persistence manager interface has factory methods

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