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Soggetti	Computer science Educational technology Application software Artificial intelligence User interfaces (Computer systems) Education—Data processing Popular Computer Science Educational Technology Information Systems Applications (incl. Internet) Artificial Intelligence User Interfaces and Human Computer Interaction Computers and Education
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Formato	Materiale a stampa
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Keynote Speech -- A Growing Book for Distance Learning -- System Modeling and Architecture -- An Open Framework for Smart and Personalized Distance Learning -- A Metadata Framework for Description of Learning Objects -- A Web-Based Motivation-Supporting Model for Effective Teaching-Learning -- The Design and Implementation of a Web-Based Teaching-Learning Model for Information Communication Technology Application Education -- On Analysis and Modeling of Student Browsing Behavior in Web-Based Asynchronous Learning Environments -- Conceptual Network Based

Courseware Navigation and Web Presentation Mechanisms -- Distance Learning System Engineering -- Web-Based Knowledge-Based System on Liquid Retaining Structure Design as Instructional Tool -- A Web-Based Language Learning System -- WebMath: A Web-Based ITS System* -- Smart Remote Classroom: Creating a Revolutionary Real-Time Interactive Distance Learning System -- Critical Success Factors for Web-Based Organizational IT Training Systems -- Application of Quality Assurance in Web-Based Laboratories -- Collaborative Systems -- Towards Open Standards: The Evolution of an XML/JSP/WebDAV Based Collaborative Courseware Generating System -- An Educational Community Using Collaborative Virtual Environments -- KGCL: A Knowledge-Grid-Based Cooperative Learning Environment -- A Component-Based Architecture for Adaptive, Collaborative Web-Based Learning -- Virtual Programming Lab for Online Distance Learning -- The Vega Grid and Grid-Based Education -- Experiences in Distance Learning -- Experiences in Running a Flexible, Web-Based, and Self-Paced Course -- Virtual Teaching and Learning Based on Multimedia Techniques: Experiences from a Master Program Delivered over the Internet -- Experiences in Developing a Large-Scale School IT Project: Processes, Outcomes, and Issues -- Enabling Communities by Constructed Media: The Case of a Web-Based Study Environment for a Talmudic Tractate -- Innovative Teaching through the Cyber University -- Supporting Practices in Web-Based Learning -- Databases and Data Mining -- A Web-Based Lecture Video Database System with Flexible Indexing Method Using Action Logs -- A Locking-Based Transaction Scheduling Algorithm for Supporting Web-Based Classes -- Database and Metadata Support of a Web-Based Multimedia Digital Library for Medical Education -- Design and Evaluation of Lecture Support Functions for Question Databases -- Using Page Classification and Association Rule Mining for Personalized Recommendation in Distance Learning -- Multimedia -- Web-Based Video Indexing and Retrieval for Teaching and Learning -- Applying Multimedia Authoring Tool and XML Techniques to Standardized Knowledge Management for Web-Based Learning -- Fifth Normal Form Made Easy with Novel Web-Based CAI HCI -- Multimedia Knowledge Exploitation for E-Learning: Some Enabling Techniques -- Web-Based Interactive 3D Visualization for Computer Graphics Education.

Sommario/riassunto

This book constitutes the refereed proceedings of the First International Conference on Web-Based Learning, ICWL 2002, held in Hong Kong, China in August 2002. The 34 revised full papers presented together with an invited keynote paper were carefully reviewed and selected from 75 submissions. The papers are organized in topical sections on system modeling and architectures, distance learning systems engineering, collaborative systems, experiences in distance learning, databases and data mining, and multimedia.
