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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	e-Learning Platforms and Tools -- A Core Model Supporting Location-Aware Computing in Smart Classroom -- Student Adoption Towards Web-Based Learning Platform -- ALIAS: An Automated Lab Information Administration System -- An Online Template-Based Authoring System for E-Learning -- Design and Implementation of a J2EE-Based Platform for Network Teaching -- A Web-Based Classroom Environment for Enhanced Residential College Education -- Adaptive Internet Interactive Team Video -- A Prototype of the Web-Based Marine Training

Environment -- P2P Video Synchronization in a Collaborative Virtual Environment -- Virtual Experiment Services -- Learning Resource Deployment, Organization and Management -- Designing a Learning Objects Repository -The Views of Higher Education Faculty -- A Novel Resource Recommendation System Based on Connecting to Similar E-Learners -- MECCA-Learn: A Community Based Collaborative Course Management System for Media-Rich Curricula in the Film Studies -- Building Learning Management Systems Using IMS Standards: Architecture of a Manifest Driven Approach -- Constructing a SCORM-Compliant Intelligent Strategy Repository -- Effortless Construction and Management of Program Animations on the Web -- Practice and Experience Sharing -- Student Centered Knowledge Level Analysis for eLearning for SQL -- Web-Based Chinese Calligraphy Retrieval and Learning System -- Computer-Assisted Item Generation for Listening Cloze Tests and Dictation Practice in English -- The Gong System: Web-Based Learning for Multiple Languages, with Special Support for the Yale Representation of Cantonese -- A Novel Multi-agent Community Building Scheme Based on Collaboration Filtering -- Semantic Caching for Web Based Learning Systems -- An Approach to Acquire Semantic Relationships Between Words from Web Document -- Grounding Collaborative Knowledge Building in Semantics-Based Critiquing -- Real-Time Adaptive Human Motions for Web-Based Training -- Experiences in Using an Automated System for Improving Students' Learning of Computer Programming -- Automatic Leveling System for E-Learning Examination Pool Using Entropy-Based Decision Tree -- A Web-Based Environment to Improve Teaching and Learning of Computer Programming in Distance Education -- The Design and Implementation of Digital Signal Processing Virtual Lab Based on Components -- A Design for Generating Personalised Feedback in Knowledge Construction -- Refining the Results of Automatic e-Textbook Construction by Clustering -- ANTS: Agent-Based Navigational Training System -- An Educational Virtual Environment for Studying Physics Concept in High Schools -- Mobile e-Learning -- Mobile learning with Cellphones and PocketPCs -- A Novel Mobile Learning Assistant System -- Context-Sensitive Content Representation for Mobile Learning -- Pedagogical Issues -- Managing Student Expectations Online -- Collaborative Virtual Learning Environment Using Synthetic Characters -- Devising a Typology of LOs Based on Pedagogical Assumptions -- Using Web Based Answer Hunting System to Promote Collaborative Learning -- The Impact of E-Learning on the Use of Campus Instructional Space -- The Research of Mining Association Rules Between Personality and Behavior of Learner Under Web-Based Learning Environment.

Sommario/riassunto

With the rapid development of Web-based learning, a new set of learning environments including virtual classrooms, virtual laboratories and virtual universities are being developed. These new learning environments, however, also introduce new problems that need to be addressed. On the technical side, there is a need for the deployment of effective technologies on Web-based education. On the learning side, the cyber mode of learning is very different from traditional classroom-based learning. On the management side, the establishment of a cyber university imposes very different requirements for the set up. ICWL 2005, the 4th International Conference on Web-Based Learning, was held in Hong Kong, China from July 31 to August 3, 2005, as a continued attempt to address many of the above-mentioned issues. Following the great success of ICWL 2002 (Hong Kong, China), ICWL 2003 (Australia), and ICWL 2004 (China), ICWL 2005 aimed at presenting progress on the technical, pedagogical, as well as

management issues of Web-based learning. The conference featured a comprehensive program, including a number of tutorials, two keynote talks, a main track containing regular as well as short paper presentations, and an application track. We received a total of 99 submissions from all over the world. The Program Committee selected 33 papers as regular papers for presentation in the main track, an acceptance rate of about 33%. Due to the high-quality submissions, the Committee decided to further accept 9 papers as short papers for presentation.
