

Full Paper-Award

Enhancing student learning by incorporating learning styles into adaptive hypermedia
Curtis A. Carver, Richard A. Howard & Edward Levelle

Off-campus preservice teacher education via IMM technology: An indigenous cohort case study
Lyn Henderson, Bill Patching & Ian Putt

The Impact of Learning Pathways on Performance in an Interactive Multimedia Learning Environment
Hueyching Janice Jih

Delivery methods for hypertext-based courseware on the World Wide Web
A.D. Marshall & S. Hurley

Experience with the Learning Web
M.L.G. Shaw & B.R. Gaines

Full Paper-Award Hon.

Efficacy of story in multimedia training
Daniel R. Bielenberg & Ted Carpenter-Smith

Experiences with learning scenarios in an authoring support environment
T.T. Carey & J.V. Minstrell

Instructional hypertext: Study strategies for different types of learning tasks
Diana Dee-Lucas

Designing and managing virtual learning environments for secondary, post-secondary, graduate and continuing education: A landgra
A Hill Duin & E.A. Nater

The Flashlight Project: Developing tools for local assessment of educational strategies and technology
Stephen C. Ehrmann

The Web as a Student Communication Medium: What's Different?
Stephen Gilbert

Advanced collaborative educational environment using virtual shared space
Yasuhisa Kato, Akihisa Kawanobe, Susumu Kakuta, Katsumi Hosoya and Yoshimi Fukuhara

Improving WWW-Aided Instruction A Report from Experience
Samuel A. Rebelsky

Full Paper-Student Award

Toward a software engineering discipline for the modelling and the design of hypermedia distributed applications

Patrick Senac, Francois Fabre, Emmanuel Chaput & Michel Diaz

Learning to learn by doing by doing

Suzanne J. Surprise & Richard G. Feifer

Full Paper-Award Student Hon.

Support for Cooperation in Smalltalk

Kenn Hussey, Ivan Tomek

Use of WWW resources by an intelligent tutoring system

Roger Nkambou & Gilles Gauthier

Full Paper

Infusion of Telecommunications Technology into a Project-based Curriculum: Running with the River

Natalie M. Abell, William D. Newsted

Some effects of motivational elements in mathematical drill-and-practice software

Andrea Abercrombie & John King

A WWW Microworld for Mathematics

Kostadin Antchev, Markku Luhtalahti, Jari Multisilta, Seppo Pohjolainen, Kari Suomela

DIALECT: Digital Interactive Lectures in Higher Education

Nicolas Apostolopoulos, Albert Geukes, Stefan Zimmermann

Intelligent agents to support the effective collaboration in a CSCL environment

Gerardo Ayala & Yoneo Yano

Tools and services for authoring on the fly

Ch. Bacher & Th. Ottmann

What's IS all about?: A multimedia aid for learning information systems (IS) concepts and methodologies

Seung Ik Baek, Jay Liebowitz & Alisa Liebowitz

Interface design to support active learning

Philip Barker

Evaluating educational multimedia programmes in North America

Antonio R. Bartolome & Luran Sandals

MURIEL: a European Multimedia Interactive Training System for Librarians

Margaret Barwick

Learning as action: A social science approach to the evaluation of interactive media
Peter Baumgartner & Sabine Payr

User navigation strategies for multimedia tutorials
Barbara Beccue & Joaquin Vila

How I can't teach without making noise
Alfred Benney

Multiple Levels of Use of the Web as a Learning Tool
Evelijn S. Bos, Annemieke Kikstra, Christina M. Morgan

An Interactive Cooperative Teleworking Environment
C. Bouras, D. Fotakis, V. Kapoulas, S. Kontogiannis, K. Kyriakou, P. Lampsas, P. Spirakis, A. Tatakis

The Harlem Environmental Access Project: A Partnership with Columbia University, The Environmental Defense Fund, and the Public Schools of Harlem, New York
Joseph Bowman, Jr.

The Development of a Computer-Mediated Academic Communication System
Duane T. Brandau, Xuming Chi

Breaking the spell: Towards a reconciliation of education and television
Brian Burke

A multimedia training tool for speech impaired clients
D.J. Calder, B.M. Chen & G. Mann

Hypermedia interface design and mental models: A case study
Licia Calvi

HCID: An Experience in Collaborative Work and Distance Education
Daniel Campos D., Pedro Salcedo L., Pedro Rossel F.

The experimental learning cycle as a framework for integrating multimedia case studies and task workbenches
T.T. Carey & M. Blurton-Jones

A formal approach to the EMI model and case study
Enrique Espinosa Carrillo, Marc Boumedine Montaner & Ivonne Chirono Barcelo

Multiplatform implementations of the EMI model using the JAVA technology
Enrique Espinosa Carrillo & Alejandro Brito Lopez

"Getting Lost in Hyperspace": Lessons learned and future directions
Carlo Castelli, Luigi Colazzo & Andrea Molinari

Experiences in evaluating electronic books: Hyper-book and Ceasar
Nadia Catenazzi, Ignacio Aedo, Paloma Diaz & Lorenzo Sommaruga

Efficient methodology for automatic video-content indexing and retrieval of lectures for CAI systems
S.L. Chan & Horace H.S. Ip

A computer logging method for collecting user-reported inputs during formative evaluation of computer network-assisted distance l
Chien Chou

Evaluation of a hypermedia music CAL system
Huey-Wen Chou

Walk the Footsteps of a Stranger: Learning Things You Never Knew You Never Knew
Lauren Cifuentes, Teri Metcalf, Gwendolyn Webb-Johnson, Karen L. Murphy, Trina Davis

The effect of technology on student learning
Vicki L. Cohen

The 'Learning Station': An Interactive Learning Environment for Distance Learners in Geographical Information Systems.
Sarah Cornelius, Ian Heywood

Teacher-learners cooperation produces an innovative computer-based course
Giorgio Da Bormida, Giuliano Donzellini & Domenico Ponta

Superhighways for Teachers AND Teachers for Superhighway(Invited Speaker)
Niki Davis

ScienceSpace: Research on using virtual reality to enhance science education
Chris Dede, Marilyn C. Salzman & R. Bowen Loftin

SLIM: A model for automatic tutoring of language skills
Rodolfo Delmonte, Andrea Cacco, Luisella Romeo, Monica Dan, Max Mangilli-Climpson, Francesco Stiffoni

Multimedia: How INTER-How ACTIVE: Do we really know? Concern about 'positions' and priorities for action
Jim Devine

A Teaching and Learning Framework for the Images for Teaching Education Project
Patrick Dillon, Alison Hudson, Penni Tearle

Simulations: New "worlds" for learning?
Carolyn Dowling

When is software both valuable and viable?
Stephen C. Ehrmann

Learning styles and hypermedia courseware usage: Is there a connection?
Ainslie E. Ellis

Networking in Fifth Grade: Learning Through Exchanging Questions and Answers
Michele Evard

Hypercalculus: Will students be completely satisfied with our Hypertext, one day?
Laura Farinetti & Anna Rosa Scarafiotti

Remote Tutoring: What we Learned by a Practical Experience
Laura Farinetti, Giovanni Malnati

Multimedia communications: Designing for interactivity
Richard G. Feifer & Denise Tazbaz

Designing effective multimedia programs to enhance teacher problem solving skills and cognitive flexibility
Gail E. Fitzgerald, Brenda Wilson & Louis P. Semrau

The evaluation of a distributed multimedia foreign language learning system
Sandra P. Foubister, Patrick McAndrew & Terry Mayes

Networks, Workstations, Multimedia, and Electronic Communities: Creating a University Learning Environment
Wendy A. L. Fowler, Richard H. Fowler

A framework for CAL performance support: An open hypertext model
Jane M. Fritz

Foundations for the Learning Web
Brian R. Gaines, Douglas H. Norrie & Mildred L.G. Shaw

Visualized conceptual structuring for heterogeneous knowledge acquisition
Tatjana Gavrilova & Alexander Voinov

Interactive multimedia information: Evaluation by home users
Mark Gillham & Kathy Buckner

Obstacles in Web Multimedia Publishing: Bringing Conference Proceedings On-line
Peter A. Gloor, Fillia Makedon, Oliver Van Ligten

Networked, asynchronous student evaluations of courses and teaching: An architecture and field studies
John Greenwood & Mimi M. Recker

QTVR aided urban design and planning
Shen Guoqiang

Computers and the College Classroom: Two studies of Computer Training and Use Patterns
Marjorie L. Hatch, Mary Sue Hayward

Embedding game's attractiveness into CALL system
Toshihiro Hayashi, Yukuo Hayashida & Yoneo Yano

Qualitative diagnosis of error-based simulation for error-visualization
Tomoya Horiguchi, Tsukasa Hirashima, Akihiro Kashihara & Jun'ichi Toyoda

Encouraging the investigation and solution of real-life problems with Mathematica and QBASIC
R. Ilango & Tock Keng Lim

Broadband architectures for arts education: An exploratory study
Susan Jacobson

Understanding Teaching in the Video Conferencing Classroom
Peter Jamieson & Elaine Martin

MASK: Multimedia Audit Situated Knowledge
Rodger Jamieson & Andrew Chodkiewicz

Multimedia-based case studies in education
Ewald M. Jarz, Gerhard A. Kainz & Gerhard Walpoth

A classroom-based multimedia teaching system: SHARE
Zhang Ji-Ping & Italo De Diana

Scriptable Applications: Implementing Open Architectures In Learning Technology
Jeremy Roschelle, Rich DeLaura, James Kaput

Learning computer skills in school
Satu-Sisko Koivula & Eero Ropo

Software factories for active learning environments
Michael Korcuska

MediaADE: The MHEG-based distribution multimedia/hypermedia Application
Development Environment
Sei-Hoon Lee & Chang-Jong Wang

Flexible link architectures in hypermedia systems
Jennifer Lennon & Hermann Maurer

Adaptive Interaction through WWW
Fuyau Lin, Ron Danielson, Sherry Herrgott

ATM as a Facilitator for Distance Learning
Marlyn Kemper Littman

Supporting Learning from Field Experience in Teacher Education
James M. Laffey, Dale Musser

Net-Frog: Analyzing monthly user access patterns on the WWW
Valerie A. Larsen, Mable B. Kinzie, Steven M. Boker & Joseph B. Burch

Obstacles to the Implementation of Computer-Assisted Reporting Courses
Kevin C. Lee

Comparative Analysis of Teacher's Discourse and Students' Behaviour in Traditional and
Distance Lectures
Benoît LEMAIRE, Pascal MARQUET, Jacques BAILLÉ

Collaborative learning with multimedia
Min Liu

Engaging high school students in multimedia development
Min Liu & Keith Rutledge

A computer-based tutor for teaching and learning word problem-solving
Chee-Kit Looi & Boon Tee Tan

Formal language as a medium for technical education
Edward S. Lowry

Specifying educational software: Goals and process
Christophe Marquesuzaa, Jaques Meyranx & Thierry Nodenot

Is this thing really going to work?: The development of two computer-based multimedia programs
Mary Mauldin, Robbin Cullum, Diane Raeke, G. Robert Ross

Courseware market: Problems and solutions
Hermann Maurer & Nick Scherbakov

HM-Card: A new approach to courseware production
Vanessa Mayrhofer, Nick Scherbakov & Keith Andrews

Creating A Multimedia Interface To Teach Inexperienced Circuit Board Assembly Line Operators How To Correctly Assemble Circuit Boards.
Fergal McCaffery & Michael McTear

A flexible multimedia tutoring system for medicine
James J. McGregor, John Poyser, Margaret E. Anderson & Ali A.H. Mansour

A practitioner validated list of competencies needed for courseware authoring
Sara McNeil

Multimedia and language learning: A study of features that support off-screen communication practice
Carla Meskill & Mingming Jang

A software tool for educational research in pictorial communication
Ch. Metaxaki-Kossionides, S. Vazouras & S. Sehperides

The effect of on-screen instructor gender and expressivity upon adult learning of basic skills from a videotaped lesson
Arnold Meyrow

Virtual Knowledge Park: A Cooperative Learning Environment in Cyberspace
David Mioduser, Avigail Oren, Amichay Oren

Cal-farm: A Distance Learning CAL Project for Farm Investment Decision Makers
Ian Moncrieff, Des Thornton, Larry Nelson, Mike Jefferson

The Technology Rich Classroom Project: Where Learning Soars
Mike Muir & JoLynne Crout

An interactive hypermedia tutorial for power electronics instruction
A. Moreno-Munoz, J. Ortiz-Medina & A. Plaza-Alonso

The design and evolution of an authoring environment and its applications
Tomasz Muldner, Kasia Muldner & Christine Marie van Veen

Authoring a literary hypermedia encyclopedia CD-ROM using hypermedia modeling technique
Fabio Nemetz, Jose Valdeni de Lima & Altair Cardoso Borges

Linking Models to Data: Hypermodels for Science Education
Eric K. Neumann

Implementing a Student Allele Database via the World Wide Web
Lee A. Newberg, John A. Kruper, David Micklos

School work: Learning and leading in an information age
Joy Nunn & Ron Toomey

FAST: A research paradigm for educational performance support systems
Jennifer J. Ockerman, Lawrence J. Najjar, J. Christopher Thompson, Christopher J. Treanor, & F.D. Skip Atkinson

Knowledge awareness: Bridging between shared knowledge and collaboration in a shared space
Hiroaki Ogata, Kenji Matsuura & Yoneo Yano

The Western Australian Telecentres Network: Enhancing Equity and Access to Education in Rural Communities
Ron Oliver, Gay Short

Hypermedia and the transfer of self-directed learning
C. Paakkanen & J.J. Viteli

Distributed computing network for science and math education in rural New Mexico
Andrea P.T. Palounek, Connie L. Witt, M. Carolyn Briles, Jeff Dulaney & Norman Georgina

Developing the Virtual Campus Environment
G. Paquette, C. Ricciardi-Rigault, C. Paquin, S. Liegeois and E. Bleicher

Authoring an interactive multimedia CD-ROM on French civilization
Rebecca M. Pauly

Telematics for Education: the Design of a Distributed Computer-Based Collaborative Learning System.
Domenico Ponta, Anna Marina Scapolla, Mauro Taini

Implementation Aspects of Information Technology at a Campus University
C.L.M. Pouw, J.T. van der Veen, A.B.M. Koppen

International Collaboration Using Digital Media
Patrick Purcell, Gerard Parr

Distance Learning System for Telekom Slovenije
Matev Pustišek, Janez Bešter, Peter Homan

Strategy for Setting up a Multimedia Resource Centre for Hungarian Universities
Peter Rackso

How to measure the behavioural and cognitive complexity of learning processes in man-machine systems
Matthias Rauterberg & Roger Aeppli

Design and Operational Assistance of a Pedagogical Virtual Space
Claude Ricciardi-Rigault, France Henri and Lise Damphousse

Revising an environmental information database using interactive multimedia technology
H. J. Rosen

First Amendment Rights and the Internet in K-12 Schools: Legal Precedent from Print
Media
Russell I. Rothstein

Presenting HyTime documents with HTML
Lloyd Rutledge

Education via hyperobjects on the Web
Carola Salis, Francesco Benevento & Andrea O. Leone

New tools of the trade: Using multimedia in the history classroom
Steven Schoenherr

World-Wide Intelligent Textbooks
Elmar Schwarz, Peter Brusilovsky, and Gerhard Weber

A computer based student Welfare Information Support and Help system
Peter J. Scott, Janet Curson, Geraldine Shipton & John McAuley

The Role of Electronic Communication in Supporting Beginning Teachers
Michelle Selinger

Incorporating Asynchronous Collaborative Learning into an AS Engineering Degree
Program for Home-Based Learners: Challenges, Strategies and Tools
John Sener

SWAN: A student-controllable data structure visualization system
Clifford A. Shaffer, Lenwood S. Heath & Jeffrey M. Nielsen; Jun Yang

Creating Educational Guided Paths over the World-Wide Web
Frank M. Shipman III, Catherine C. Marshall, Richard Furuta, Donald A. Brenner, Hao-wei Hsieh,
and Vijay Kumar

Analysis of hypermedia browsing processes in order to reduce disorientation
Ana Paula Sousa & Paulo Dias

Assessing the Learning of Distant Students: Competency-Based Instruction
Emilie D. Steele, Frank Linton

An experimental comparison of effects of dynamic and static visual displays in computer
based instruction on declarative and procedural
Michael Szabo & Ron Schlender

Change in the use of alternate delivery systems through professional development within
colleges and universities
Michael Szabo

HyperMed: A hypermedia system for anatomical education
K. Tochtermann, C. Tresp, J. Hiltner, B. Reusch, J. Weidemann, H.P. Hohn, H. W. Denker & A.
Freund

The effects of different computer-based instructional modes on students of different cognitive styles
Seong-Chong Toh

A learning-lab where AI meets hypermedia
Guglielmo Trentin & Vittorio Midoro

The metaphoric hammer: Driving messages home through the use of metaphor in an EPSS
Rick Trevail & Robert Chafetz

Assessing the usability and effectiveness of a remote language teaching system
Anna Watson & Angela Sasse

Educational hypermedia systems for the Earth Sciences: Students as authors
Denise A. Wiltshire & Carmelo F. Ferrigno

Analyzing the Process of Learning in a Web Based Community of Learners
Karsten D. Wolf

A multimedia authoring system for building intelligent learning systems
Wing-Kwong Wong, Tak-Wai Chan, Yao-Sheng Cheng & Shih-Shen Peng

Concept-map based navigation in educational hypermedia: A case study
Romain Zeiliger, T. Reggers & Robert Peeters

Cooperation in a hypertext environment
Zizi Zhang

Panel

Ways of Knowing Teaching with New Technologies
Deborah Ball

From straightjackets and blinders to infinite space: Using the internet to transform writing in the classroom
Robert M. Bender, Glenda Moum & Byron T. Scott

Educational applications of virtual reality
Jack A. Chambers, John Q. Mullins, Veronica S. Pantelidis, Eben Gay & Carl E. Loeffler

Finding Common Language and Common Ground: The Talking Mathematics Videotapes
Rebecca Corwin

Technology planning for connecting kids
Mary Flynn-Maguire, Cheryl Zupan & Jill Moffitt Cullen

General and specific issues in applying standards in multimedia development
Lynette Gillis, Peter S. Ho & Martin R. Ramirez

Video Analysis in an On-Line Professional Community
Margaret Honey

Multiple Perspectives on Using Multimedia To Provide a Common "Text" for the Study of Innovative Teaching
Magdalene Lampert

School-Based Lesson Study Groups: Exploring American Practice through Japanese Teaching
Jim Stigler

Collaborative inter-class teaching and research over the Internet: Students' perspectives on the research and learning process
Thomas Treadwell, Adel Barimani, Hanna Kellar, Michelle Pole & Erin Ross

Roundtable

E-mail metrics: It is better to give than to receive
Gerald Knezek & Rhonda Christensen

Making the most of learning opportunities: The role of reflection for action, on action, and in action
Som Naidu, Ray McAleese & Jacques Le Cavalier

Applications of interactive technologies for reluctant readers
Raymond S. Pastore, Stefanie Pastore & Paul Quick

Redesigning Courses for the Computer
Carol Washburn, Prabha Vasudevan

Short Paper

Development of an Electronic Teaching and Learning System for Undergraduate Degree Courses
Marco Adria

Multimedia Training in the Mining Industry - Collaborative Development in Customised Projects
Trish Andrews

The EduAnet Project: Education Across Internet
Walther Antonioli, Michel Rudoy

An interactive, simulated experiment for biochemistry and molecular biology students
Mark Arundel & David Day

The relationship between linear/nonlinear navigation and linear/nonlinear mental models of hypermedia environments
David J. Ayersman, John M. Oughton & W. Michael Reed

Content based retrieval in an educational video system
Antoni Bibiloni, Ricardo Galli & Bartomeau Estrany

Towards the Definition of a General Model for the Transfer of Knowledge in Multimedia-Based Learning Systems

Marc Boumedine Montaner, Ivonne Chirino Barceló and Enrique Espinosa Carrillo

The Development of a Computer-Based Academic Tracking System with PowerBook and PowerTalk

Duane T. Brandau, Xuming Chi

Using virtual reality technology for learning design skills

Ted Carpenter-Smith & Lisa Seaman Anderson

Large-Scale, Hypermedia-based, Course Legacy Systems

MAJ Curtis A. Carver Jr.

An intelligent multimedia tutoring system for quality control training in the food industry

Oscar Castillo & Patricia Melin

A Learning Activity Development System on World Wide Web

Chih-Kai Chang and Gwo-Dong Chen

A script-based development environment for instructional games

Gwo-Dong Chen & Chih-Kai Chang

Assembling the Double Helix: Development of an NCTM-compliant interactive mathematics learning environment

S.C. Andrew Chen, George L. Johnston & Kai C. Liu

Global Classrooms In Perspective: Reflecting On Five Years Of The Air/Water Projects

Rhonda Christensen, Gerald Knezek

Facing east: Multimedia interface design for the Far East

Jiin-Tian Chyou & Norman Eisley

A multimedia computer-based test generation system

Donald H. Cooley & Jianping Zhang

Creating Engaging Courseware Using System Dynamics

J. Michael Spector, Pål I. Davidsen

The University of Colima Distance Education Project

J. Eliezer de los Santos & S. Lourdes Cruz

FRAMES - A User-Controlled Practice Environment in Theoretical Computer Science

Ruth de Villiers

The Role of the Multimedia Features in the Natural World on the Human Knowledge Processes. Application to the Design of Computer Mediated Communications

Sophie M. DELOUIS

A Model of Architecture for Integrated Open and Collaborative Hypermedia

Paloma Díaz and Ignacio Aedo

Planning and development of an interactive computerised assessment system

R.C.A. Donnelly, M.D. Mulvenna & J.G. Hughes

Designing Hypertext: What we can learn from Linguistics and Discourse Research
Mary Ann Eiler

Fixing Chinglish!: Developing educational multimedia for Asian ESL training
Norman Easley & Jiin-Tian Chyou

Authoring semantic hypermedia: A concept mapping approach
G.J. Elliott, Eleri Jones & P. Barker

Embedding the aesthetic objective in educational multimedia design: Adding the human element
Veronica I. Ent

The language of art
Sandra Ewing & Robert Munro

The Evaluation of Electronically Delivered Distance Education Courses
Stuart Fletcher and Robyn Benson

Developing multimedia courseware: Two EFL applications for teaching phonetics
Richard Foley

Eleven lessons from the DAGS '93 hypermedia conference proceedings
James Ford, Fillia Makedon, Charles Owen & Samuel A. Rebelsky, Kenneth E. Harker, P. Takis Metaxas

A different learning approach: The hypertextual paradigm
A. Franich

Reflections on the multimedia explanation
Giovanni Fulantelli, Mario Allegra & Alessandra Salerno

Institutional faculty development in education technologies to improve classroom teaching: Launching the IDO Pioneers and Guides
Michael Randy Gabel & Veronica D. Feeg

Implementing the Learning Web
Brian R. Gaines & Mildred L.G. Shaw

The Underserved Families Internet Research Project: A Case Study
Michael Gallo, Melinda Bier

Recording and Replaying of an X-Session: an Approach for an Asynchronous Interaction Method
Lassaâd Gannoun , Philippe Dubois, Jacques Labetoulle

Visual programming in Smalltalk
Randy Giffen & Ivan Tomek

Letting Learners Be Learners: Combining Constructivism and Computer-based Instruction
Doug Holyoak, Ken Goldwasser

Partners in cognition: Problem-based learning with computers
Ian Hart

Learning with hypermedia: What users do and how to observe it automatically
Joachim P. Hasebrook & Gilbert Fezzardi

An authoring metaphor to match constructivist theory
John Hedberg, Barry Harper, Robert Wright & Grant Farr

Shifting the paradigm as schools and technology improve
Kathleen Heide, Mary Beal, Tom Cook, Susan Lynds & Michael Nicholson

An Interactive Distributed Distance Education Environment
Jwu-Hwa Ho, Wen-Han Lin, Jia-Sheng Heh and Tzong-Tsann Wu

Using the World-Wide-Web to Promote Faculty Development in the Use of Technology
Michael R. Hoadley, Jeri L. Engelking

A study of cognitive effectiveness on computer-assisted learning
Jon-Chao Hong, Jing-Shin Yang & Ming-Chou Liu

Integrating the Internet into the Undergraduate Curriculum
M. Eleanor Irwin, Janice Crichton Patterson

A hypermedia-driven computer assisted mathematics mediation package: From
prototype to problem shell with tracking mechanism
Jeff James & Margaret Taplin

Implementation of new technologies in Hong Kong Polytechnic University
John Jones & Jeff James

The Multimedia Mentor
Frank Kaduk, Richard G. Feifer

Courseware authoring method for ITS on WWW
Y. Koike, M. Maruyama, K. Nakabayashi, Y. Fukuhara & Y. Nakamura

Evidence-based advising
Michael Korcuska, Joe Herman & Menachem Jona

Simulation in the learning of automated systems
Jean-Baptiste La Palme

Computer-Mediated Discussion in a Postgraduate Course: Some Observations
Kwok-Wing Lai

Interactive Distance Learning Network Decision Model
Joyce M. Lang

Teaching hypermedia use more effectively using mental models
Richard F. Lewis & Michael J. Lewis

The customer-focused evaluation of the LEAP intelligent tutor
Frank Linton

Navigation through medical digital video libraries
S. Suave Lobodzinski, Leonard E. Ginzton & Hermann Maurer

Assessing Educational Multimedia Courseware
A.D. Marshall and S. Hurley

An Approach to Implementing Adaptive Hypermedia for an Intelligent Tutoring System on the World-Wide Web
Mina Maruyama, Kiyoshi Nakabayashi, Yoshimasa Koike, Yoshimi Fukuhara and Yukihiro Nakamura

The work expansion and implementation of multimedia authoring tool "sumiki":
Generating webpage, visual editor and OLE support
Tsutomu Matsumoto, Hideo Kiyohara, Hidenori Miyamoto, Chieko Kouyama, Hideki Hayashi, Keiji Uemura & Shinsuke Shiota

A comparison of the influence of CD-ROM interactive storybooks and traditional print storybooks on reading comprehension and
Kathryn I. Matthew

Keeping Up With The Jones's: A Survey Of New Technology on The World Wide Web and Their Instructional Potential
Thomas Fox McManus

A virtual hand with tactile feedback for virtual learning environments
T.A. Mikropoulos & E. Nikolou

Mediated Design: A Collaborative Learning Experience
Karen Madsen Myers, Lorraine Sherry

Effects of navigation structure in CD-ROM courseware on learning achievement
Som Naidu & Jenny L. Wilson

Building a demonstration multimedia electronic performance support system
Lawrence J. Najjar, Jennifer J. Ockerman, J. Christopher Thompson & Christopher J. Treanor

Promoting structural knowledge by computer based case studies: Studies on different help systems
Helmut M. Niegemann

Teaching social skills through face-to-face versus computerized instruction
Beverly B. Palmer, Robert Dutilleul & Sharla Solsma

AGD: Knowledge modeling in an instructional design support system
Gilbert Paquette, Francoise Crevier, Claire Aubin & Eric Bleicher

Hypermedia in the literature classroom: Literalizing poststructuralism
Christiane Paul

Learning Environments for Manufacturing: a Framework and Example
Valery A. Petrushin and Chris Thompson

An interactive environment based on a distributed architecture for an educational museum application
Gilbert Pinot, Gerard Metzger & Bernard Thirion

Dimensions of learning styles and their influence on performance in hypermedia lessons
Karen Rasmussen & Gayle V. Davidson

A systems approach to adaptive computerized instructional design: The relevance of
guiding principles
Roger D. Ray

Why and how to teach hypermedia in introductory computer science courses (summary)
Samuel Rebelsky

A review of the research on the effect of learning styles on hypermedia-related
performance and attitudes
W. Michael Reed

Collaborative Educational Design towards Collaborative Learning
Franz Reichl

Hypermedia learning environment for especially mathematically gifted students for
mathematical word problem-solving
Heli Ruokamo-Saari

Hyperstories for creative thinking
Jaime Sanchez & Mauricio Lumbreras

Evaluating structural organization of a hypermedia learning environment using GOMS
model analysis
Terry Shikano, Mimi Recker & Ashwin Ram

Using World-Wide Web (WWW) Technology for Teaching
Zafar ul Islam Singhera

MultiWorlds-II: Multimediamicroworlds instrumentation tools
Peter Skobelev, L. Berdnikov, S. Garchev, S. Kazarine, I. Maiorov, V. Rasskazov & A.
Sverkounov

The effects of an interactive learning environment on learning styles
Keng-Soon Soo & Yeok-Hwa Ngeow

Creating engaging courseware using system dynamics
J. Michael Spector & Pal I. Davidsen

CBL Evaluation: TheWhy's, What's & How's
G. Stubbs & M. Watkins

Design and Development of the CORAL System
Chuen-Tsai Sun

Exploring the role of video in learning from hypermedia
Karen Swan, Carla Meskill, Bill Reilly

Technology and assessment: How to measure competence when integrating technology
into preservice teacher education
Rhonda Taylor Richards

A WWW Based Interactive Hypermedia Tutorial
Patrick S. Tse, Ming-kuen Lin

Using Computer Based Conferencing In Teaching University Courses
Danney Ursery

ALGANI: Algorithm animations for computations
Kai Warendorf, Wen-Jing Hsu & Yew-Chong Chia

Combining interactive multimedia and inquiry teaching to build an intelligent multimedia tutoring system
Kai Warendorf

Design guidelines for achieving synergy between digital multimedia & artificial intelligence
Merrill E. Warkentin

Multimedia and virtual reality in instruction
Some risks of virtual learning
Joe Winslow

Evaluation Tools for Web-Based CBT
Mark E. Woodcock

The application of hypermedia technology in foreign language education: The experience in designing a Chinese language course
Chia-shing Yang & Cathy J. Wei

TELECOM: An analysis of hypermedia in higher education
Gayle J. Yaverbaum

Poster/Demo

Case Studies in Coaching and Facilitating Student Creation of Multimedia
Palmer Agnew, Anne Kellerman, Jeanine M. Meyer

Towards adaptive multimedia systems
Chrystalla Alexandrou, Christos N. Schizas & Costas Yenethli

A demonstration of multimedia teaching packages developed at the Australian National University
Mark Arundel, David Day, Peter Janssens, Sue Bennett, Simon Yates, Jane Worner, Chris Trevitt, Anthony Diller, Peter Ross, Ja

Courseware for undergraduate technical students on "Superconducting Accelerator Magnets: An Interdisciplinary Application"
Millicent Ball & Carl L. Goodzeit

Basile, a world wide tool
Antonio R. Bartolome

Uses of student modelling in an intelligent, multimedia, mathematics tutor
Joseph Beck, Mia Stern & Beverly Park Woolf

Cognitive issues in the design of windowing environments
Louis H. Berry & Patrick S. Tse

Sharing parts of forty professional lives with television
Marie-Michele Boulet

Science Technology Entry Program: Integrating Technology into a Cross Curricula Design
Joseph Bowman, Jr., Aliya Holmes, Donavan Smith, Marc Callendar, Etwin Mapp-Bowman

Computer-based clinical log-update and management
Duane T. Brandau, Xuming Chi & Jeff Thomas

The developing, testing and rewriting of the multi-media Royal New Zealand Ballet case study in strategic marketing
Richard Brookes & Simon Dixon

Application of software to enhance listening and reading competence in French
Anne Brown & Doris LeBlanc

Nutritional orientation of patients with chronic renal failure: Self-learning with the interactive multimedia
Fernanda Claudia A. Campos, Jaqueline Aparecida S. Rocha, Maria Amelia R. Elias & Marcus G. Bastos

Piggy in Numberland: A multimedia tool for numerical concept and skill development with children ages 4-8
Shaw-Jing Chao & J. Arthur Woodward

Designing the structure of a hypermedia package
Wing Cheung

The use of interactive multimedia in patient education: The asthma files
Lynda Cleveland

Kindergarten students' predictive ability using a science interactive videodisc
Richard L. Daughenbaugh, Edward L. Shaw & Robert L. Doan

The Internet,and the Changes it has Wrought!
Martha Davies & Alberto Delgado

ESCUELA: Integration of Environments, Inter-personal Space and Shared Workspace
Gisela E.T. de Clunie, Gilda H.B. Campos & Ana Regina C. Rocha

An interactive statistics tutorial for statistics-anxious students
J.A. Dunning & L.M. Sorensen

Developing a Computer-Conferenced Masters Degree in Computer Information Systems: Preliminary Steps
Douglas E. Durand, James B. Pettijohn

Development of veterinary orthopedics teaching aids using CD-ROM technology
G.E. Fackelman & R.M. Egle

A virtual reality environment for jazz improvisation
Hugh Garraway & Larry Panella

User-centered education: Teaching computer graphics for artists and designers
Gregory Patrick Garvey

Hypertext database management for the cognitive navigation and creation of new
hypertext
Gentile E., Plantamura V.L.

Problem Solving with Multimedia
Sonja Gilliland, Dawid B Jordaan

Interactive electronic training materials in basic electricity and electronics
Charles W. Hesse & Dan Latourelle

Four key tasks of meta-media management: Design, development, delivery and recovery
Mary E. Hopper

The structure of human memory and the impact of multimedia on learning
Mingming Jiang & Karen Swan

Oz-TeacherNet: Teachers Helping Teachers for Professional Development
Peter Kendal

Multimedia training packages for the mining industry
Mike Keppell & Trish Andrews

Integrating computer algebra system in the teaching of trigonometry
Heng Ooi Kiang & Lim Tock Keng

A qualitative case for increasing technology in teacher education
Cheryl Murphy Krawchuk

Linguistic awareness for teacher education: A multimedia CAL learning experience
Thao Le, Phillip Mahnken, & Quynh Le

Ophthalmology educational program
J.M. Lee, M.E. Salvador, K.C. Christo, R.P. Zanardo, M.P. Ramos, R. Uras, R.B. Matos, M.S.
Ancao, D. Sigulem

Integration of device control in an interactive learning environment
Pascal Leroux & Martial Vivet

Multimedia for marketing a university degree in information systems
Jo Luck, Graham Ivers & Robin Breuer

New communication technologies and social movements: Can computer networks
function as social networks?
R. Daniel Maher

Understanding of the Persuasive Effects of Interactive Media in HIV/AIDS Prevention
Programs
R. Daniel Maher

The development of Theory of Music computer-based lessons for underprepared students
Brenda Mallinson

Re-purposing an instructional design for a computer-based simulation: A case study
Martin Mann

Evaluation of the effectiveness of ScreenCam for teaching
Fergal McCaffery & Terry Anderson

Subject discussion panel on Artificial Intelligence (AI)
Fergal McCaffery

Applying the Power of Telecommunications to Daily Routine in Medical Education
O.S. Medvedev, A.V. Mikhailov, A.V. Prokhorov

Relationships between computer aided experiments in psychology and general attitude towards computers in education: Results from
Ananda Mitra

Collaborative problem solving with relative motion simulations
James M. Monaghan & John Clement

Transportable multimedia can be easy and inexpensive
Duane Moser

CALAT: A multimedia ITS integrated on the WWW
Kiyoshi Nakabayashi, Yoshimasa Koike, Mina Maruyama & Yoshimi Fukuhara

Brazilian literary hypermedia encyclopedia CD-Rom
Fabio Nemetz, Jose Valdeni de Lima & Altair Cardoso Borges

The effects of authoring on problem-solving skills and cognitive levels
John M. Oughton

Educational program on multimedia through Internet: Molecular biology, genetics and genetic engineering
S. Oyafuso, E.B. Tasso, M.E. Salvador, V. Bernardo, H.B. Nader, M.A.C. Smith, J.F. Silveira, J.M. Lee, M.P. Ramos, M.S. Andao

Hypermedia learning environments: A research review of the effects of cognitive style on performance
Rocco Paolucci & Robert J. Wright

My Top 3: A novel idea for constructing learning strategies in educational hypermedia?
James Paradiso

Design, development and validation of the use of multimedia and hypermedia: The case of distance teaching of research methods for
Laura Moran Pena & Zoila Leon Moreno

Learning tools for manufacturing
Bala Ram & Rajiv Girdhar

Authentic texts and the use of concordancing programs in foreign language teaching
Heike Rautenhaus

Kutiyattam: Marriage of an ancient art and the new technology
Farley Richmond

ARIS-Mentor: Towards a process-oriented learning environment for software users
August-Wilhelm Scheer & Sabine Stehle

Implementation of an Advisory System for On-The-Job Training of Printers
Ulrich Schmitt

Computer interactive case studies in teacher education
Larry J. Shaw

Applying principles of hypermedia design: Teachers as entry-level developers
Annette C. Sherry

Challenges In Developing an Effective Distance Education Delivery System in Malaysia
Abu Daud Silong, Norhayati Abdul Mukhti, Maimunah Ismail

The effects of active error correction in computer assisted learning of statistics
L.M. Sorensen, J.A. Dunning & L.A. Matteau

Creating engaging courseware using system dynamics
J. Michael Spector & P. I. Davidsen

Experimental and virtual laboratory: A strategy for modelling in physics education
R.M. Sperandio-Mineo & M.L. Aiello-Nicosia

New media for an old method: Using multimedia and hypermedia in case studies
David E. Spicer

Collaboratively-Created Multimedia Modules for Teachers and Professors
Ronald M. Stammen

The Beats: Tools for supporting response-based literature teaching and learning
Karen Swan, Carla Meskill & William J. Reilly

How Students Have Used a Discussion List in a Course
M.O. Thirunarayanan

Multimedia Training "Designing Randstad"
ir. Alexandra Tisma

Interactive design of a hypermedia tutorial via rapid prototyping
Patrick S. Tse

Teaching and learning through multimedia: Theoretical and applied issues
Regina Vasconcellos, Edison F. Pratini, Claudio E.X. Bueno, Lilia M. Feijo & Madalena Pereira

Standards-based educational reform and interactive technologies: A multimedia application for undergraduate human services education
Ralph Warren, Jr., Robert Martin, Suzie Roder & Christopher Jerome

The magic of telescribing
Fawn Whittaker

Student navigational choices in multimedia computing environments
Joseph Winslow

Learning computer programming as an apprentice: Improving undergraduate course
teaching
Eiichi Yamaguchi, Michiko Kayasima & Yuko Kato

Hypermedia interface: The effects of the magnitude of links and the granularity of nodes
on learners' information searching and l
Erping Zhu