

A2-57

WebNet 2000

World Conference

on the WWW and Internet



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AACE Association for the
Advancement of Computing in Education

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Integrating Computer Ethics Across the Curriculum

Marion Ben-Jacob, Mercy College, USA

Students will be more responsible than ever for their own learning in this millennium. It is our pedagogical obligation to insure that the integration of technology will enhance the learning environment. The integration of computer ethics across the curriculum is critical because technology will be integrated into every aspect of a student's life and the 21st century learner will be a life-long learner. This paper provides a format for professors to generate examples and assignments that are relevant to their curricula, as well as specific examples that maybe incorporated into many courses.

Utilizing Interactive Instructional Strategies to Improve Teaching and Learning in Web-assisted Courses

John Bennett, Stephens College, USA

While the World Wide Web holds the potential to improve teaching and learning, this potential is not being fully realized by many educators now integrating Web technologies in their classroom-based courses. The purpose of this paper is to provide these educators with some ideas on how to utilize the interactive components of the Web to improve teaching and learning.

Developing Best Practices for Prospective Teachers and Mentors with Technology

Linda Bennett, University of Missouri-Columbia, USA

The "Mentoring Web Site" <http://www.coe.missouri.edu/~esse/mentor> began in January, 2000, for teacher certification students in the Teacher Development Center at the University of Missouri-Columbia who are enrolled in elementary social studies and a field experience. This project provides a means for delivering a technology support system for field experience. The project provides the technological and pedagogical resources for university instructors, classroom mentor teachers and university students to develop as professionals within a virtual learning community. The participants develop strategies to incorporate educational technology in the elementary classroom. University students and mentors use technology to communicate, collaborate on projects, research new bodies of knowledge, and design multimedia projects. As an ongoing project, the mentoring web site is being refined based on feedback from the students and classroom teachers.

Integrating Web, Advertising and Public Relations Strategies to Create a Dot Com Brand from Scratch

Mark Brett, Cellmania.com, USA; Steve Bryant, Publicis Dialog, USA; Neerav Berry, Cellmania.com, USA

This panel describes how to develop a dot-com brand from scratch by integrating its Web, advertising and public relations strategies. Panel audience will hear from representatives involved each perspective and describe how each element – the Web site, public relations activities and advertising – can be leveraged against each other to extend the brand. Personalization is stressed in all three areas.

Training Teachers in Technology — A Mountain to Climb

Monte Betz, Lipscomb University, USA

How can preservice teachers and P-12 public and private teachers be empowered to use technology as an effective teaching tool? This question becomes larger in light of numerous obstacles – lack of training time, lack of hardware and software, lack of technical support, etc. While teacher trainers cannot solve many of the school/classroom-based problems that represent obstacles, they can provide appropriate instruction to equip teachers to use technology in the teaching/learning process. Utilizing theories/models of learning that are suited to adult learners can do much to prepare teachers to be confident in their use of technology in the classroom.

Instructional Design Attributes of Web-Based Courses

Joy Bi, Ohio University, USA

Revitalized efforts have taken place in the fields of knowledge engineering, expert systems, and multimedia educational technology. The delivery of instruction and instructional materials changed from instructor to students in a classroom, to learners in a certain country or even to students all over the world on the Web. What theory or model can educators follow to design effective instruction for distance learners on the Web? In an effort to apply traditional instructional design theories to Web course development, the researcher conducted a qualitative research study to examine the experiences in Web course design and delivery and to explore what components affected Web-based course design. The purpose of this research study is to identify and document instructional design attributes of the Web courses which contribute to the comprehension of online instruction and the relationships between these major areas in Web-based courses: instructional design, course development, content delivery, and administrative support.

ETRD: a Digital Library for the European IT Community


Stefania Biagioni, IEI - CNR, Italy; Carlo Carlesi, IEI - CNR, Italy; Pasquale Pagano, IEI - CNR, Italy

The ERCIM Technical Reference Digital Library (ETRD) has been designed to meet the needs of scientists and librarians of the European Research Consortium for Informatics and Mathematics and thus offers a set of services for three distinct user types: information providers, seekers and administrators. ETRD has been implemented as part of an international federation: NCSTRL (the US Networked Computer Science Technical Reference Library) and adopts the well-known Dienst compatible. However, in order to meet the specific requirements of a European research community while maintaining compatibility with NCSTRL, Dienst has been adapted by extending the existing functionality (e.g. search and browse), adding new capabilities (multilingual interface and access functions) and implementing new services (on-line document submission and withdrawal, administration). The system is open, providing a core set of services for the entire ERCIM collection which can be further specialized on the collections of the single ERCIM institutions according to local requirements.

AACE

Association for the Advancement of Computing in Education

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ETRDL: a Digital Library for the European IT Community

Stefania Biagioni, Carlo Carlesi
and Pasquale Pagano
IEI- CNR, Pisa, Italy

San Antonio, Texas

30 October - 4 November 2000

The ERCIM Technical Reference Digital Library - ETRDL

An activity of the DELOS Working Group, funded by:

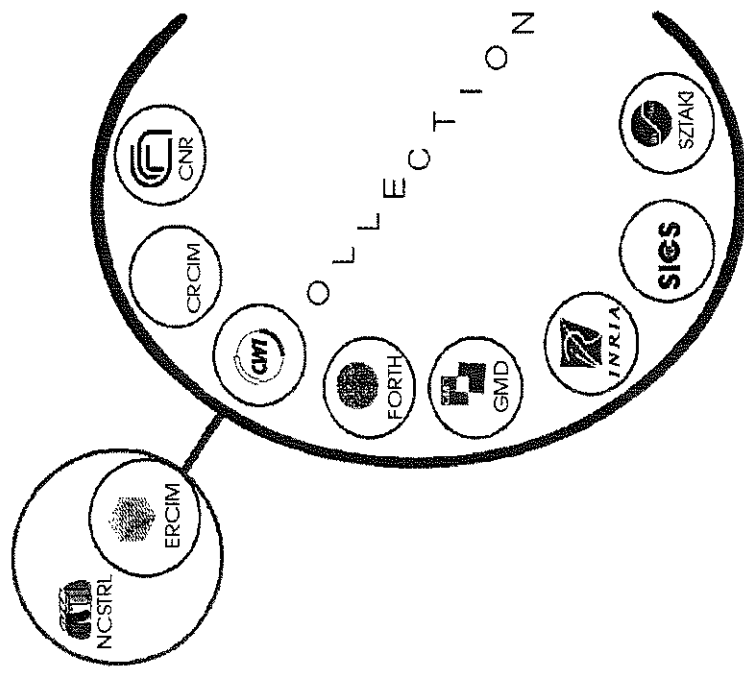
- ESPRIT Long Term Research Programme (LTR No. 21057)
- ERCIM - European Research Consortium for Informatics
and Mathematics
- Project partners themselves

<http://iei.pi.cnr.it/DELOS/ETRDL>

The ERCIM Technical Reference Digital Library - ETRDL

Project partners

- CNR - Italy
- CRCIM - Czech Republic
- CWI - The Netherlands
- FORTH - Greece
- GMD - Germany
- INRIA - France
- SICS - Sweden
- SZTAKI - Hungary



ETRD L objectives

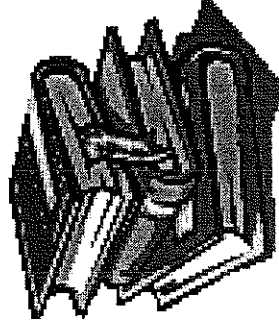
- To offer networked access to a globally distributed collection of technical reports in Computer Science and Applied Mathematics
- To provide an *on-line service* to assist ERCIM computer science scientists in exchanging their technical documentation and making it immediately available world-wide
- To provide the ERCIM DL group with a *test-bed* for experimental activities

ETRD L documents

- Grey literature in the fields of Computer Science and Mathematics published by

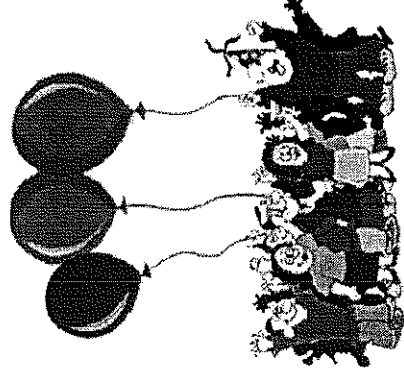
ERCIM institutions

- Technical reports
- EC deliverables
- Proceedings
- Preprints
- Theses
- Project reports



ETRD L users

- information seekers
- information providers
- information administrators (librarians)



ERCIM requirements

- ETRDL must provide a *library service*
 - access, selection, acquisition, cataloguing, dissemination, preservation,
- ETRDL must not be *isolated*
 - part of a wider scientific community
- ETRDL must permit *localization*
 - independent management of collections
 - language customisation

ETRDL infrastructure

- ETRDL uses Dienst technology (Cornell University)
 - an open architecture for distributed digital library (DL)
 - a communication protocol service
- Dienst supports the following DL
 - NCSTRL, Networked Computer Science Digital Library
 - CoRR, the Computing Research Repository
 - Open Archive Iniziative
 - Cornell University Historical Math Book Collection
 - Cornell University library Makig of American Collection
 - Hein On-line Retrospective Low Journals

NCSTRL and ETRDL

ETRDL is a specialised sub-collection of

NCSTRL - U.S. Networked Computer Science
Technical Reference Library

with extended functionality to meet the needs of
a European Digital Library service

ETRD L Extensions

- **Querying**
 - search by subject, selection by date, language, type
 - boolean structures
- **Multilingual information access**
 - user interface localization
 - multiple language handling
- **Functionality**
 - submission, withdraw
 - administration

ETRD L access points

- Users can access the following collections
 - NCSTRL
 - ETRDL
 - Local

ETRDL access points

File Edit View Go Communicator Help

Back Forward Reload Home Search Netscape Print Security Shop Stop

Bookmarks Location: <http://dienst.iet.tu-berlin.de> What's Related


Instant Message WebMail Radio People Yellow Pages Download Calendar Channels


ERCIM Technical Reference Digital Library


[[Italian](#)]

Welcome to the ERCIM Technical Reference Digital Library (ETRDL). ETRDL is an activity of the DELOS Working Group. The following partners of DELOS participate in ETRDL:
CNR, CWI, FORTH, GMD, INFIA, INESC, SICS, SZTAKI

ETRDL is a European branch of the global Networked Computer Science Technical Reference Library (NCSTRL).

 [Search / Browse NCSTRL collection](#)

 [Search / Browse ERCIM collection](#)

 [Search / Browse local collection](#)

Document: Done

NCSTRL vs. ETRDL browsing

- NCSTRL

browse a publishing
authority by

- author
- year

- ETRDL




browse a publishing
authority by

- author
- year
- keywords
- ACM codes
- MSC codes

ETRDL browse session

The screenshot shows a Netscape browser window with the following elements:

- Browser Title Bar:** IE-ETRDL - Netscape
- Menu Bar:** File, Edit, View, Go, Communicator, Help
- Navigation Bar:** Back, Forward, Reload, Home, Search, Netscape, Print, Security, Shop, Stop
- Address Bar:** Location: <http://dienst.elpicn.it/>
- Buttons:** Bookmarks, Instant Message, WebMail, Radio, People, Yellow Pages, Download, Calendar, Channels
- Page Content:**
 - ## ERCIM Technical Reference Digital Library
 - [[Italian](#)]
 - Welcome to the ERCIM Technical Reference Digital Library (ETRDL). ETRDL is an activity of the DELOS Working Group. The following partners of DELOS participate in ETRDL:
[CNR](#), [CWI](#), [FORTH](#), [GMD](#), [INRIA](#), [INESC](#), [SICS](#), [SZTAKI](#)

ETRDL is a European branch of the global Networked Computer Science Technical Reference Library (NCSTRL).
 - | | |
|---|---|
|  | Search / Browse NCSTRL collection |
|  | Search / Browse ERCIM collection |
|  | Search / Browse local collection |
- Status Bar:** Document: Done

NCSTRL vs. ETRDL search

- NCSTRL

search collections by

- author
- title
- abstract

- ETRDL




search collections by

- author
- title
- abstract
- subject (codes, keywords)
- abstract in other languages
- + query refinement by selectors:
 - type, year, language

Fielded search session

The screenshot shows a Netscape browser window with the following elements:

- Browser Title Bar:** IEI-ETRD L - Netscape
- Menu Bar:** File, Edit, View, Go, Communicator, Help
- Toolbar:** Back, Forward, Reload, Home, Search, Netscape, Print, Security, Shop, Stop
- Address Bar:** (Empty)
- Page Title:** ERCIM Technical Reference Digital Library
- Page Content:**
 - A link: [Italian]
 - Text: Welcome to the ERCIM Technical Reference Digital Library (ETRD L). ETRD L is an activity of the DELOS Working Group. The following partners of DELOS participate in ETRD L:
CNR, CWI, FORTH, GMD, INRIA, INESC, SICS, SZTAKI
 - Text: ETRD L is a European branch of the global Networked Computer Science Technical Reference Library (NCSTRL).
 - A table with three rows, each containing a book icon, a link, and a text label:

	Search / Browse NCSTRL collection	
	Search / Browse ERCIM collection	
	Search / Browse local collection	
- Status Bar:** Document Done

Multilingual information access

The collage consists of six overlapping screenshots of web pages:

- Top Left:** A page with the title "SICS" (Swedish Institute of Computer Science) and the ERCIM logo. It features a navigation menu with options like "Home", "About", "Services", and "Contact".
- Top Right:** A page titled "ERCIM Digitalis Preprint Könyvtár (ERDPL)" with a search bar and navigation links in Hungarian, such as "Keresés / Bőgészés a teljes NCSTRL gyűjteményben".
- Middle Left:** A page titled "ERCIM" with the subtitle "European Research Consortium for Informatics and Mathematics". It includes a navigation menu and the ERCIM logo.
- Middle Right:** A page titled "ERCIM Technical Resources" with a navigation menu and the ERCIM logo.
- Bottom Left:** A page titled "ERCIM" with the subtitle "European Research Consortium for Informatics and Mathematics". It features a navigation menu and the ERCIM logo.
- Bottom Right:** A page titled "ERCIM" with the subtitle "European Research Consortium for Informatics and Mathematics". It features a navigation menu and the ERCIM logo.

ETRD L submission

- To add a new document to a collection, the information providers must compile a bibliographic record and submit it with the digital document to the DL administrator via a Web interface
- An on-line help is available and classification codes can be browsed and retrieved directly from ACM and AMS web sites

ETRD L submit session

Submission Form - Netscape

File Edit View Go Communicator Help

Back Forward Reload Home Search Netscape Print Security Stop

Bookmarks Location: http://dienst.iei/AU/scripts/submit/new_upload.pl?langver=... What's Related

ERCIM Technical Reference Digital Library

Document Submission Form

To submit your *document* to the *Dienst* server via HTTP, please fill in the following form.
If you need help for any field, please click [here](#).
All fields are mandatory, except for the telephone number.

Bibliographic record

<u>Title:</u>	Linear algebra problems with APL2
<u>Author(s):</u>	Beltrame, Renzo L.
<u>e-mail:</u>	renzo.beltrame@iei.iei.it

Document Done

ETRD L submit session

Submission Form - Netscape

File Edit View Go Communicator Help

Back Forward Reload Home Search Netscape Print Security Stop

Bookmarks Location: http://dienst.iei/AU/scripts/submit/new_upload.pl?langver=... What's Related

Submission contact	e-mail: Renzo.Beltrame@cnuce.cnr.it Tel: +39 050 593 288
Subject(s):	Free Keywords: Computing Classification System (ACM) C.4 PERFORMANCE OF SYSTEMS: Measurement techniques Mathematics Subject Classification (MSC)
Publisher:	>>> Click and choose your Collection <<< English: We present a performance comparison of three IBM systems, main-frame, SP1, and SP2. Some data are added, which refer to enhanced nodes of SP2, and to two different nodes type and configuration. We choose for the comparison three linear

Document: Done

Administration

Partners are responsible for implementing their own administrative procedures.

Here below we show the default system interface.

The screenshots show the following pages:

- Document Insertion:** A form with instructions: "To increase an incoming document director: 1. Choose the action to do: * Insert a document in a collection * Remove a document from a collection 2. Select the collection to browse 3. Insert your Strive or Identification". Fields include "Action:" (Insert a Document in a Collection), "Collection:" (CNR - Istituto di Elaborazione della Informatica), and "Password:".
- Document Rejection:** A form with instructions: "A procedure to decrease large size mailable blocks by ultrasound". Fields include "Entry:" (ercim-cur.itei), "Date:" (October 22, 1999), "Reason:" (The file you have sent is uncorrect. Please, provide a good version. The Librarian), and "E-mail:" (Bramanti@erpicr2).
- Collection Management:** A page titled "Collection: ercim-cur.itei" with instructions: "View the bibliographic record in text format", "View the bibliographic record in html format", and "View the document file: ercim-cur.itei-1".
- Document Details:** A page for document "ercim-cur.itei" with fields for "Title", "Author(s)", "Author's e-mail", "Author's tel", "Date", "Type", "Language", "Pages", "Subject(s)", and "Keywords".
- English Abstract:** A page with the text: "In stone and marble industry there is a core using ultrasound diagnostic techniques for".
- Document Rejection Confirmation:** A page titled "Document Rejection" with instructions: "The document 'ercim-cur.itei' is increasing document".

Next steps

- Porting to new version of Dienst (v.5)
- Multimedia Data Support
- Cross Language Search and Retrieval
- Personalized Information Dissemination Support
- Tools for Semi-automatic Document Classification
- Gateways to other on-line DLs and Catalogs

New Partners

- ERCIM News
- FIMU Faculty of Informatics, Masaryk University
- Brno - Czech Republic
- Others

Follow-up activity

SCHOLNET: a Digital Library Testbed to support Networked Scholarly Communities

- Implementation of a generic open infrastructure which can be used as a medium for sharing research results among the colleagues in a field
- Extension of the ETRDL set of services to build higher levels of functionality
 - multimedia data support, hypermedia annotation support, cross-language search and retrieval, personalised information dissemination

(financed under the EC 5FP IST Programme)

ETRDL bibliography

- **The ERCIM Technical Reference Digital Library**

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by L. Kovács, A. Micsik, B. Pataki - In: Digital Libraries 99 : The Fourth ACM Conference on Digital Libraries, Berkeley, August 11-14, 1999. Edward A. Fox and Neil Rowe (ed.)
- **Developing a European Technical Reference Digital Library**
by A. Andreoni, M. B. Baldacci, S. Biagioni, C. Carlesi, D. Castelli, P. Pagano and C. Peters - In: Research and Advanced Technology for Digital Libraries: third European Conference ; proceedings / ECDL'99, Paris, France, September 22-24, 1999. Serge Abiteboul Anne-Marie Vercoustre (ed.).
(Lecture notes in computer science ; Vol. 1696)
(link.springer.de/link/service/series/0558/tocs/t1696.htm)

The End

Many thanks to all those who have
collaborated with us on the development of

ETRD L

