


Annual Meeting 2004 Posters

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Poster Title 	Contact Person 	Abstract Excerpt	Associated Files
NEEDS.ORG/SMETE.ORG: Engineering Education Digital Library and STE&M Digital Library Services	Alice M. Agolino	NEEDS has been a pioneer in the development of educational digital libraries since the early 1990s...	
BEN Collaborative	Linda Akli	The goal of the BEN Collaborative is to transform teaching and learning in the biological sciences. ...	
An Introduction to the Science Knowledge and Education Network Framework: The Birds of North America Demonstration Case	Paul Allen	The Science Knowledge and Education Network (SKEN) is an open-source framework for supporting dynami...	Poster
DLESE and Ridge 2000 - Linking Research with Education	Robert Arko	The Ridge 2000 Education & Outreach Plan (Goehring, 2002) calls for a multifaceted effort to increas...	
The DLESE Community Review System - A Virtual	Robert Arko	The Digital Library for Earth System Education (DLESE) Community Review System (CRS) provides a Web-...	
Federal Education Digital Resources Library (FEDRL): A K-12 Mathematics and Science Collection	Carolee Barber	FEDRL, an Eisenhower National Clearinghouse (ENC) project, identifies and catalogs high-quality digi...	Poster
MatDL: Making Connections between MSE Education and Research	Laura Bartolo	A primary goal of the Materials Digital Library (MatDL) is to bring materials science research and e...	Poster
PER-CENTRAL	Robert Beichner	The Physics Education Research Community Enhancing Network for Teaching, Research, and Learning will...	Poster
Electronic Encyclopedia of Earthquakes	Mark Benthien	This digital library of educational resources and information is connected with the Digital L...	
AUTOMATED GRANULARITY AND COMPREHENSIVE INTEGRATION FOR KNOWLEDGE DISCOVERY: A CASE STUDY WITH POLICY DOCUMENTS	Paul Berkman	NSDL Annual Meeting 2004 "AUTOMATED GRANULARITY AND COMPREHENSIVE INTEGRATION FOR KNOWLEDGE DIS...	
Digital Library Integration Infrastructure	Michael Bieber	The Digital Library Integration Infrastructure (DLII) provides a systematic lightweight approach for...	
Integral: Integrating Traditional and Digital Libraries	Michael Bieber	The Integral (Integrating Libraries) project will bring the potentially huge user population of trad...	
Mapping Medline Papers, Genes, and Proteins Related to Melanoma Research	Katy Borner	What is the structure of the research reported on melanoma? How has it evolved over the last 40 year...	Poster
AMSER: The Applied Math and Science Education Repository	Rachael Bower	The Internet Scout Project along with its project partners are being funded by the National Science ...	
CWIS: Turnkey software for seamlessly integrating your collection into NSDL	Rachael Bower	CWIS (pronounced see-wis) is software to assemble, organize, and share collections of data about res...	

Innovation Curriculum Online Network	Quentin Briggs	The International Technology Education (ITEA), in partnership with the Eisenhower National Clearingh...	
SIMPLE Science: A New Tool for Learning, Teaching, and Collaboration	Wynne Brown	Since 1992 the Center for Image Processing in Education (CIPE) has successfully introduced digital i...	Poster
The Shibboleth Advantage: Content Management and Privacy Working Together	James Burger	James Burger, Columbia University, NSDL Core Integration Carol Kassel, Columbia University, Digital...	Poster
NSDL Policy Committee	Howard Burrows	This year the Policy Committee worked on policies concerning collection development, a new Assembly ...	
WGBH Teachers Domain	Karen Cariani	This poster will demonstrate the features of Teachers' Domain, WGBH's set of K-12 NSDL collections a...	
Gender, Diversities and Technology Institute	Bethany Carlson	This poster highlights two NSDL projects housed within the Gender, Diversities and Technology Instit...	
Data Discovery for the NSDL	Bruce Caron	The Data Discovery Toolkit and Foundry is the largest community of data-rich application developers ...	
MicrobeLibrary (ML) Moves to Subscriptions: A 6-Months Report	Amy Chang	In 1999, the American Society for Microbiology (ASM) launched the award-winning site www.MicrobeLibr...	
Services for a Customizable Authority Linking Environment (SCALE)	Robert Chavez	What's in a name? Digital libraries contain a vast array of names, such as proper names and geograph...	
Digital Library Evaluation in DLIST	Anita Coleman	DLIST is the Digital Library for Information Science and Technology, an eprints repository that is h...	Poster
NSDL Persistent Archive	Charles Cowart	The San Diego Supercomputer Center is maintaining a preservation environment for the NSDL. SDSC cra...	
Implementing Peer Review on BioMoleculesAlive	Paul Craig	BioMoleculesAlive is the educational digital library of the American Society for Biochemistry and Mo...	
The UC Berkeley Digital Chemistry Library: Streamlining the creation and cataloguing of learning objects	Alex Cuthbert	This project establishes a digital chemistry library composed of tightly integrated learning objects...	Poster
Collaborative Project: Superimposed Tools for Active Arrangement and Elaboration	Lois Delcambre	Education and scholarly research, by their very nature, involve scanning, reviewing, and sometimes i...	
CephSchool: Design, Implementation and Assessment.	David del Pino	Del Pino, D., Day, C., Crain, C.J., and Lee, P.G. CephSchool (www.cephschool.utmb.edu) is an onl...	
Computer-Assisted Content Standard Assignment & Alignment	Anne Diekema	Building on content standards assignment software that was developed and tested in a prior NSDL stud...	Poster Handout
Phenomena and Representations for the Instruction of Science in Middle Schools (PRISMS)	Francis Eberle	PRISMS: Phenomena and Representations for the Instruction of Science in Middle Schools The Main...	Poster
Using the ASDLib For Cross Continent Teaching	Alanah Fitch	Discovery Across Continents hopes to build a shared course curriculum for instrumental analysis and ...	
CITIDEL (Computing and Information Technology Interactive Digital Educational Library)	Edward Fox	CITIDEL is the largest NSDL collection effort in the computing and IT area. Our project goal is 1 mi...	

Exploring Multi-Faceted Search in Specialized Collections	Sean Fox	The Science Education Resource Center is developing websites to support faculty in improving geoscie...	Poster
The Digital Water Education Library	Edward Geary	The Digital Water Education Library (DWEL) is an NSF-NSDL funded project formerly called Water in t...	
Demonstrating the Value of NSDL in the Classroom	Sarah Giersch	Over the next two years, the Core Integration team, in conjunction with ENC and other NSDL projects,...	
2003-04 NSF/NSDL Workshops	Sarah Giersch	Over the past year, several workshops, supported by NSF, have addressed pivotal issues that impact t...	
The Achievement Standards Network: Correlating Learning Resources to Academic Standards	Diny Golder-Dardis	The National Science Digital Library: Achievement Standards Network (NSDL:ASN) is designed to help N...	
A Digital Rich Media Library of Animal Behavior	Mary Guthrie	The Macaulay Library, a division of the Cornell Laboratory of Ornithology, is the world's largest op...	Poster Handout
OCKHAM Library Network	Martin Halbert	The OCKHAM Library Network is a project now in development by digital library researchers and libra...	
Multimedia interactive virtual laboratories in GROW	Yan Han	GROW uses Flash and Authorware to create multimedia interactive virtual labs for creating a new lear...	
The ERESE Project: Modeling and Enactment of Inquiry-Based Plate Tectonic Lessons Margaret Helly, Christina Massell Symons, Nancy Dow, Jerrie Reining, Susanne Schissel, Hubert Staudigel, John Helly, Stephen Miller, Anthony Koppers	Maggie Helly	The ERESE Project: Modeling and Enactment of Inquiry-Based Plate Tectonic Lessons Margaret Helly, ...	Poster
Web Lecture Archiving System for Professional Society Meetings	Jeremy Herr	Our team, made up of members of the High Energy Physics department at the University of Michigan and...	
NSDL Standing Committee: From Community Services to User Services	Ellen Hoffman	As the NSDL community has matured, the Standing Committees are also evolving. This poster will provi...	
Infusing NSDL in Middle Schools: Research on Teachers	Ellen Hoffman	In a targeted research project, EMU, TERC, and Merit are conducting a study of the use of digital li...	
Journal of Chemical Education Digital Library	Jon Holmes	The Journal of Chemical Education Digital Library (JCE DLib) is a collection of NSDL. A publication ...	
Exploratorium Online: Exhibit-Based Science Learning and Teaching Digital Library	Sherry Hsi	The Exploratorium, a hands-on museum of science, art, and perception, produces a vast array of digit...	Poster
Reciprocal Net--A Distributed Molecular Database	John Huffman	The Reciprocal Net is a collaboration of research laboratories from throughout the world engaged in ...	
General Recommendation Engine (GRE) for NSDL	Il Im	This project proposes a general recommendation engine (GRE) that any NSDL system can integrate. GRE...	
Using Data in the Classroom	Ellen Iverson	Manduca, Mogk, Fox, Kirk, Iverson This is from NSF award #0127298 Faculty and teachers understand ...	Poster
Starting Point: Harnessing pedagogy with geoscience teaching resources	Ellen Iverson	Manduca, Merritts, Savina, Iverson Award #0226243 The Starting Point site (http://serc.carleton.ed...)	
Educational Impact and Evaluation Standing Committee	Casey Jones	The EIESC is working to develop community-based processes for implementing shared evaluation goals a...	Poster

www.eSkeletons.org SUPERsized: expanding the extent and the reach of a web site for the study of human and primate comparative anatomy.	John Kappelman	Anatomy is a discipline taught across many educational levels. However, the vast majority of s...	
Digital Libraries for All: Accessibility for NSDL Sites	Andrew Kirkpatrick	Tools, resources, solutions, inspiration ♦ make your NSDL site accessible to people with disabilit...	
From LibQUAL+(tm) to e-QUAL or digitQUAL	Martha Kyrillidou	This poster is an update of the 2004 implementation of LibQUAL+(tm). A total of 102 libraries parti...	
Core Integration Architecture - Metadata and More	Carl Lagoze	Over the past several years Core Integration has successfully built an architecture that automatical...	Poster
The Analytical Sciences Digital Library	Cynthia Larive	The Analytical Sciences Digital Library (ASDL) has over 200 peer-reviewed websites in its library co...	
The Earth Exploration Toolbook	Tamara Ledley	The Earth Exploration Toolbook (EET) provides step-by-step instructions for using Earth science data...	Poster
Federation of Earth Science Information Partners	Tamara Ledley	The Federation of Earth Science Information Partners (Federation) formed seven years ago and now wit...	Poster
An Intelligent, Integrated Digital Laboratory For Groundwater Education and Research	Shu-Guang Li	Project Summary The growing emphasis on student-centered active learning has yielded a veritable r...	
NSDL Content Standing Committee	Kimberly Lightle	The mission of the Content Standing Committee (CSC) is to develop and recommend policies for the cre...	
Viewing the Future: Digital Video and Teachers	Marcia Mardis	This NSDL collections project, a partnership between Merit Network and the University of Washington,...	
The Rosetta Project: ALL Language Archive	james mason	The Rosetta Project is a global collaboration of language specialists and native speakers working to...	
ComPADRE: Tools and Communities	Bruce Mason	ComPADRE (Communities for Physics and Astronomy Digital Resources in Education) is a network of educ...	Poster
Designing Effective On-Line Educational Resources In The Geosciences	John McDaris	One of the primary goals of the NSDL is promoting the reuse of learning objects. A critical part of...	
Creating Interactive Educational Activity Templates for Digital Libraries	Lois McLean	This new NSDL project will address a gap in current R&D by exploring ways to enhance the educational...	Handout
SIOExplorer: NSDL as a Catalyst for other Projects	Stephen Miller	The SIOExplorer Digital Library was launched as an NSDL Collections Track project three years ago pr...	Poster
Math-aware Searching	Robert Miner	Traditional text search engines do a poor job searching for mathematical notation and expressions. A...	
Introducing Learn NSDL Magazine	Carol Minton Morris	Our vision is for Learn NSDL magazine is for it to be a living science magazine for educators with d...	Poster
Innovations in Mathematics Graphic Libraries and Metadata	William Mischo	The University of Illinois at Urbana-Champaign and Wolfram Research Inc have greatly enhanced the se...	
iVia: An open source Internet subject portal or virtual library system	Steve Mitchell	iVia (http://infomine.ucr.edu/iVia/) is an open source Internet subject portal or virtual library sy...	

The Mathematical Sciences Digital Library	Lawrence Moore	The Mathematical Sciences Digital Library is a project of the Mathematical Association of America. I...	Poster
Sustainability Standing Committee	John Moore	The sustainability standing committee (SSC) is exploring sustainability through several elements: in...	Poster
Extensible Networked Association Extensible Networked Association-based Bioinformatics Learning Environment	Javed Mostafa	ENABLE is a multidisciplinary project funded by the NSF's National Science Digital Libraries progra...	Poster
Just-in-Time Teaching Digital Library	Gregor Novak	We are building JiTTDL, a semantic web - based virtual community of JiTT practitioners designed to ...	
Shodor: A national resource for computational science education	Robert Panoff	Since 1994, Shodor has developed a unique approach to improving math and science education by combin...	
CAUSEweb, a digital library for statistics instructors	Dennis Pearl	This poster will highlight CAUSEweb.org, a new digital library for statistics instructors operated b...	Poster
The Instructional Architect	mimi recker	The Instructional Architect (IA)is an NSDL end-user authoring tool that enables users (particularly ...	Poster
DLConnect: a Workshop Model for Teacher Use of Online Learning Resources	mimi recker	This poster describes the development, enactments, and evaluation of a professional development work...	Poster
TeachEngineering; Resources for K-12	Reindert Reitsma	The future of engineering lies in the creative initiatives and innovations of our youth. A closer lo...	Poster
Guidelines for Reusable Learning	Robby Robson	Guidelines for reusable design of learning resources and guidelines for collections wishing to supp...	Poster
Microbial Life Educational Resources (MLER)	Sarah Roland	Microbial Life Educational Resources (MLER) is a new digital library of resources dedicated to the d...	Poster
Kinematics of Design Digital Library (KMODDL)	John Saylor	A demonstration and description of the Kinematics of Design Digital Library (KMODDL). KMODDL is an o...	
Resource Recommendation System	John Saylor	The NSDL Core Integration team has built a resource recommendation systgem for distributed recommend...	Poster
The Tree of Life Web Project: First Generation Tools for Treehouse Builders	Katja Schulz	The Tree of Life Web Project (ToL, tolweb.org) is a collaborative effort of biologists from around t...	Poster
Using the Alsos Digital Library as a Bibliographical Resource	Frank Settle	This poster will show how the bibliographic resources of the Alsos Digital Library for Nuclear Issue...	Poster
The Alsos Digital Library for Nuclear Issues	Frank Settle	The implementation, web dissemination, and evaluation of this focused collection will be presented. ...	
VKB: Visual Knowledge Builder	Frank Shipman	The Visual Knowledge Builder (VKB) is spatial hypertext designed to support the gradual expression o...	Poster
NSDL PC Nominating Committee	Ted Sicker	This year, three are three openings on the NSDL Policy Committee (PC). This poster will introduce th...	
Using THREDDs in My World GIS	David Smith	My World GIS is a geographic information system (GIS) designed specifically for use in educational s...	Poster Handout

NSDL Middle School Pathway at ENC	Judith Spicer	The NSDL Middle School Pathway (MSP) at ENC provides a special portal into the NSDL site to help mid...	Poster
The ERESE project: Bridging the gap between Digital Science Libraries and Education through Professional Development of Teachers and Database Development by Hubert Staudigel (hstaudigel@ucsd.edu), John Helly, Margaret Helly, Anthony Koppers, Chris Massel-Symons, and Steve Miller, Scripps Institution of Oceanography, La Jolla, CA 92093	Hubert Staudigel	The ERESE (Enduring Resources in Earth Science Education) project involves a close collaboration bet...	
eERL: Environmental Resources for Community College Educators but MUCH MORE!	Christine Walker	This poster will show the story of lessons learned as our NSF Center, ATEEC, and its collaborators h...	Poster
Integrating Digital Libraries and Traditional Libraries: A Model for Sustaining Some NSDL Collections	Charles Ward	This project explores the integration of the iLumina digital library with UNCW's Randall Library. I...	Poster Handout
OAI help 5c	Simeon Warner	NSDL-wide services such as search (http://nsdl.org/search/) and collection browsing (http://nsdl.org ...	
Automating Keyphrase Generation for Text Document Collections	Jia-Long Wu	Keyphrases have been used extensively in IR systems to facilitate information exchange, organize inf...	
Using digital libraries to build educational communities: The Chemistry Collective	David Yaron	The goal of this targeted research project (http://www.chemcollective.org) is to create a collaborat...	Poster
Metadata Quality Study for the NSDL Metadata Repository	Marcia Zeng	Metadata repositories are loosely-controlled environments where each discrete metadata dataset retai...	Poster
Physics Teaching Web Advisory (Pathway)*	Dean Zollman	The Physics Teaching Web Advisory (Pathway) is a proof-of-concept demonstration of a new type of dig...	
A Self-Sustainable Digital Library for Evolving Communities	Mohammad Zubair	Despite the creation of many digital libraries, there exists considerable untapped content with indi...	Poster