“NDLTD: Past, Present, and Future”

by Edward A. Fox

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Outline

• Acknowledgements
• NDLTD
• Union Catalog
• Recent and Future Work
• Summary
Acknowledgements

• All those working with ETDs
• NDLTD, including Board, Committees, and Members
• ETD & OR Workshop Team
• Sponsors
• Presenters, Attendees
Acknowledgements:
Future Conferences

• 2010 – 13th symposium
  – University of Texas at Austin, 16-19 June

• 2011 – 14th symposium
  – Cape Town, S. Africa, in Sept.-Oct. time frame

• 2012 – 15th symposium
  – Bidding still open … 😊
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The Networked Digital Library of Theses and Dissertations

www.NDLTD.org

Advocate:
- Training Authors
- Expanding Access
- Preserving Knowledge
- Improving Graduate Education
- Enhancing Scholarly Communication
- Empowering Students & Universities

Leader of the Worldwide ETD (Electronic Thesis and Dissertation) Initiative
ELECTRONIC THESIS AND DISSERTATIONS
A Sourcebook for Educators, Students, and Librarians

by

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Examinining how electronic publication of theses and dissertations may enhance graduate education, this text clarifies the composition, evaluation, dissemination, and preservation of electronic theses and dissertations (ETDs)—providing a conceptual framework for the development of effective ETD programs and identifying the main technical concerns related to the adoption of ETD initiatives. This volume contains answers, techniques, and methods that have proven effective in the longest-running library-group support effort for campus ETDs. Helping graduate students, research mentors, and librarians move students through the transition from paper to electronic theses and dissertations, this text

- Addresses seven key questions that students often face when considering an ETD
- Studies how institutions are providing technical support and offering digitized versions of theses and dissertations
- Provides case study examples of how ETDs have evolved through the influence of new technologies and institutional efforts
- Analyzes currently utilized technologies for the publishing and maintenance of ETDs
- Examines strategies currently in use by universities for handling of copyright issues
- Discusses the best methods for cataloging ETDs to ensure that they can be easily found

Presenting studies by leading figures in the ETD community, Electronic Theses and Dissertations is a must-have guide for all
Welcome to The Guide for Electronic Theses and Dissertations. We offer this site as a resource for graduate students who are writing theses or dissertations, for graduate faculty who want to mentor ETD authors, for graduate deans who want to initiate ETD programs, and for IT administrators at universities. The Guide is designed specifically for academic researchers and their mentors, yet anyone interested in research and e-publishing will enjoy this resource.

Published by UNESCO, The Guide is an international, "living" document, written by ETD (electronic thesis and dissertation) scholars throughout the world (see About the Authors). The Guide will be updated regularly based on submissions by ETD authors and NDLTD members.

We invite you to contribute essays describing your university's best ETD practices, to suggest ETD Resources, or to nominate ETDs for our Exemplary ETD Database.
NDLTD Incorporation

• Networked Digital Library of Theses and Dissertations
• incorporated May 20, 2003 in Virginia, USA
• Charitable and educational purposes (501 c 3)
Board of Directors

• Suzie Allard (ETD 2004, U. Kentucky)
• Julia C. Blixrud (ARL)
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• Hussein Suleman (U. Cape Town, S. Africa)
• Shalini R. Urs (U. Mysore, India)
• Eric F. Van de Velde (ETD 2001)
• Xiaolin Zhang (National Science Library, China)
NDLTD Committees (Chairs)

- Awards (Christine Jewell, John Hagen)
- Communications (Suzie Allard)
- Conferences (Sharon Reeves)
- Development (Suzie Allard, John Hagen)
- Executive (Ed Fox)
- Finance (Austin McLean)
- Membership (Eric Van de Velde)
- Nominating (Joan Lippincott)
- Working Groups
  - International Activities, Strategic Planning, Website Revision, ETD Guide Revision
Member Support

• Advocacy for ETD activities
• Annual conference
• ETD-L – listserv for discussion
• Union catalog: improving local data
• Best X ETDs in Y lists
• Services for access
• Information for ETD projects
  – Standards, documentation, best practices
• Connect with: institutional repositories, …
Focused Needs/Opportunities

- DART-Europe
- Internationalization
- Marketing
- Member Benefits
- Mentoring
- Students
- Visibility
- Website, Guide (in Wikibooks)
Welcome to ETD Individuals

This server supports submission of, and access to, electronic theses and dissertations (ETDs). We welcome works submitted by individuals whose degree granting institution does not have a program for ETDs. Works can be at the bachelor's, master's, doctoral, post-doctoral, and other levels. They typically will be a thesis or dissertation, but can be a project report or other resource prepared by a student with college or university supervision.

Browsing and searching are anonymous. But if you wish to submit a work, you must first register.

Please see Terms and Policies for information about intellectual property rights.

Please see www.ndltd.org for information about the Networked Digital Library of Theses and Dissertations, that sponsors this service.

Search the Titles, Abstracts and Keywords

Search
Members, Community

- Individuals
- Universities
- Consortia

- Investigate the Possibility
- Pilot
- Richer ETDs
- Backfile conversion
- Help other sites
For Students

• Learn about
  – Electronic publishing
    • Concepts, computational thinking
    • Tools and services
  – Intellectual property rights
  – Digital libraries

• More visibility
  – Discover (potential) collaborators
  – More citations
For Universities

• Improve graduate education
• Save time, space, and money
• Increase visibility of research
  – Through open access
• Expand capabilities with digital libraries
  – Including institutional repositories
• Collaborate in region, nation, and internationally through the ETD movement
Outline

• Acknowledgements
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• Union Catalog
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Union catalog

- OCLC runs OAI data provider on TDs, getting data from WorldCat (many sites!).
- Harvests from all others who contact them (see Thom Hickey, hickey@oclc.org).
- Need DC and either ETD-MS or MARC.
- Need a set for ETDs, or separate data provider.
- Supports services by VTLS, Scirus, …
ListSets Response [NDLTD] - Microsoft Internet Explorer provided by OCLC, Inc.

OCLC ONLINE COMPUTER LIBRARY CENTER

XTCat NDLTD
NDLTD Union Catalog

Identify | GetRecord | ListIdentifiers (Resumption) | ListMetadataFormats | ListRecords (Resumption) | ListSets

responseDate 2003-05-09T17:54:25Z
request http://alcme.oclc.org/ndltd/servlet/OAIHandler?verb=ListSets

ListSets

setName

VTEDT
Virgina Tech. Theses and Dissertation

LMU
Digitale Hochschulschriften der LMU

LSU
Louisiana State University

CALTECH
California Institute of Technology

HKU
Hong Kong University Theses

VIENNA
Wirtschaftsuniversität Wien

USE
University of South Florida

DUETT
Dissertations and other Documents of the Gerhard-Mercator-University Duisburg

MIT
M.I.T. Theses and Dissertation

WATERLOO
Waterloo University Canada

PHYSNET
PhysNet, Oldenburg, Germany, Document Server

NCSU
North Carolina State University

UUdiva
Upsalla University
Scirus ETD Search

This search service is provided courtesy of Scirus, based on data harvested from the Union Archive hosted by OCLC.

Basic Search

Query :

Search

powered by Scirus

Advanced Search

Only show results published between

1900 and 2012

Only show results in

- All subject areas
- Astronomy
- Earth and Planetary Sciences
- Engineering, Energy and Technology
- Languages and Linguistics
- Life Sciences
- Mathematics
- Neuroscience
- Physics
- Social and Behavioral Sciences
- Agriculture and Biological Sciences
- Chemistry and Chemical Engineering
- Economics, Business and Management
- Environmental Sciences
- Law
- Materials Sciences
- Medicine
- Pharmacology
- Psychology
- Sociology

Only search in the following collection

- ETDs
- The Scholarly Web
Union catalog statistics 5/2010

• WorldCat has 13.4M records w. 502 MARC field indicating “thesis”

• 915K records are ETDs
  – 502 and 856 MARC fields

• ETDs added to WorldCat over the last 21 months = 630K

• Uncertainty
  – ETDs in Union Catalog not in WorldCat
  – Union Catalog duplicates
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Recent and Future Work

- OAI
- Preservation (LOCKSS)
- Metadata: Update ETD-MS
- Seungwon Yang
- Venkat Srinivasan
- Sung Hee Park
- Other Future Services and Enhancements
OAI - Open Archives Initiative

- Advocacy for interoperability
- Standard for transferring metadata among digital libraries
  - Protocol for Metadata Harvesting (PMH)
    - Simplicity
    - Generality
    - Extensibility
- Support for PMH => Open Archive (OA)
LOCKSS, MetaArchive

- Lots of copies keep stuff safe
- Stanford (Vicky Reich)
- Initial content: journals
- Set of publisher manifests (information providers)
- Set of storage systems (archival storage)
- 2005 proof of concept inside USA
- 2006 proof of concept for international members
- Who wants to join to extend (w. MetaArchive)?
- Preservation Initiative: Gail McMillan
ETD-MS

• ETD Metadata Standard
  – XML-encoded metadata standard (content and encoding) for Electronic Theses and Dissertations (ETDs)
  – in part conforming to Dublin Core (DC)
  – using RDF
  – using UNICODE

• With specified relationship to MARC
• Reworking and updating …
Seungwon Yang

• Gigapixel display
  – Many computers and monitors in display wall
  – 5 high x 10 wide
• Showing many pages simultaneously
• Sections of display for different purposes
• Structure tree, sections as leaves

• Comparing 2 ETDs
Venkat Srinivasan

- DMOZ: OK if use highest levels
- LCSH: over 4000 entries
- OCLC data for training
  - MARC records: for ETDs, for comparable set of books
- Build classifiers
- Data to use
  - Title + Abstract vs. Adding Fulltext
- New categorization and derived services
  - One ETD, ranked list of categories
  - Categories for each chapter
Sung Hee Park

• ETD Table of Contents
• Identify Structure according to ToC
• Relate to Structure of Chapters, Sections, …
• Extract citations and references

• Related work by C. Lee Giles, etc.
• Extract tables
• Extract figures
Vision for a Research Project

- Metadata Extraction
- Citation Extraction
- chapterizing
- TOC extraction
- ETD structuring
- Finding the evidence between interdisciplinary
- Semantic search for large size document
- Categorization, searching, retrieval
Introduction

Theoretically, it is possible that the right kind of music, employed in the proper manner, appropriate to both subject matter and audience, may facilitate learning. If music makes any contribution to learning from the film medium (and this is a hypothesis to be tested), then the problem becomes one of establishing what is right and appropriate...

-- from Zuckerman (1949, p. 1)

In the fields of advertising and media, there has been a rapidly growing interest in studying the effects of music in commercials, films, and television. In the advertising field alone, millions of dollars are being spent on background music research with the belief that proper music choice helps reinforce commercial messages (Kellaris, Cox, & Cox, 1995).

A content analysis (Stewart & Purse, 1986) of commercials, found that music had a positive relationship with recall as well as comprehension. Hunt (1988) found that radio ads with music backgrounds achieved higher recall scores than ads with straight announcement format.

Seidman (as cited in Bruner, 1990) reviewed music’s contribution in the film industry (both box-office features and educational films) and found that “cognitive and affective comprehension...[could] be influenced.” boltz, schulkind, and kautz (1991) concluded that background music was able to influence recall for film events and that music mood congruency with film mood was also able to have an effect.

With today’s “Nintendo” generation, educators are challenged to present new ideas to students in a way that will “draw them into the excitement of learning...” (p.35) not only to reach those most at risk of dropping out but also high-achieving students (Gates, 1993). The result has been the development of multimedia teaching aids in the hope of capturing
Future Work – 1 of 3

• Build Collection
  – Add in page images of back files or at least bib records (retrospective)
  – Expand from dissertations to theses to undergrad theses (to reports to e-portfolios)
  – Cover all universities in every region, every country

• Build Community: local, national, regional
Future Work – 2 of 3

• Promote richer use of ETDs
  – Collaborate with Google, Microsoft, …
  – Support students so have DOIs, resolved references, citing passages, separate CVs
  – Support cross language, multilingual, image & multimedia search/browse
  – Cross-lingual summarization and support for discovery
  – Browsing after classifying
Future Work – 3 of 3

• Enhance services for students
  – Help students with electronic submission, e-pub, multimedia, hypermedia, electronic data sets, electronic lab notebooks
  – Support students with annotations, threaded discussions, recommenders
  – Support work with early versions of ETDs for collaboration, with limited access and chat groups, mentoring, external committee members
  – Encourage submission of PPT, video of defense (or a rerun)
Other Conferences

- JCDL
- ICADL
- ECDL
- CIKM
- SIGIR
- Multimedia
- ...
- www.dlib.org
Spirit of NDLTD

• Help make a better (smaller) world
• Win-win-win (everyone can benefit)
• Have fun helping others
• Helpers/teachers learn more than those they work with
• Build on standards
• ETDs are preservable, popular, expressive, “better”
• Doable, feasible, learnable, affordable, sharable

• Please join/support NDLTD!
Summary

• Acknowledgements
• NDLTD
• Union Catalog
• Recent and Future Work

• Questions and Comments?
• http://fox.cs.vt.edu/talks/2010/