Implement Online Dissertations to Support Global Learning Environment

Presented by
Kathy Downes
Sha Li Zhang
Susan Matveyeva

Information Technology Conference
Wichita State University
November 10, 2004
Print Dissertations at WSU Libraries

- WSU doctoral students have authored more than 400 dissertations from 1960s to present
- Graduate School has submitted one copy to UMI
- University Libraries has kept 2 print copies (Stacks & Special Collections) & microfilm (Reserve)
- All dissertations have online catalog records searchable from OPAC
- The Library of Congress Subject Headings were added to cataloging records
Unfortunately, Print dissertations were underused

- Accessible only in the library and departmental offices. Researchers and students had to physically come to the library or office to get the dissertation.
- Paper copies were vulnerable to damage or loss.
- LC subject headings were not specific enough for narrowly defined fields making it difficult to locate a particular dissertation through subject or keyword search in OPAC.
Solution:

Go Digital!
Current State of ETD

- Electronic theses and dissertations (ETD) offer technologically advanced scholarship with new information options for researchers.
- Access to digitized online dissertations can be anytime and from anyplace.
- The empirical research findings and data can be shared by a large scholarly community.
- Increased archiving possibilities.
Current State of ETD

- Key players in the ETD community
  - UNESCO ETD resource center, projects, workshops, conferences
  - NDLTD: 215 members worldwide, including 187 universities and 7 consortiums
  - State-wide consortium
  - Initiatives at university libraries
  - Commercial vendors such as UMI/ProQuest database and services
Cooperative ETD Projects-Worldwide

- Networked Digital Library of Theses and Dissertations (NDLTD) http://www.ndltd.org/
- Centre pour la Communication Scientifique Directe, (France covers Europe) http://ccsd.cnrs.fr/index.html
- Theses Canada Portal http://www.collectionscanada.ca/thesescanada/index-e.html
- UNESCO Clearing House on Electronic Theses and Dissertations (ETD) http://www.eduserver.de/unesco/
UMI/Proquest initiated a project to create a digital library for all dissertations submitted after 1997. Project included WSU dissertations submitted by Graduate School.

The library applied WSU Information Technology Grant in November 2003 for funding to digitized remaining dissertations.

The project was funded with $3,000 for all dissertations completed prior to 1997.
The library contracted with ProQuest in December 2003 to digitize 186 dissertations published between 1965 to 1997.

Negotiated license that guaranteed permanent online access to WSU users.

ProQuest completed digitization in spring 2004.
Project Challenges and Questions

- How to inform and direct users to digital option?
- What would be the role of the online catalog?
- How could subject access be improved?
- How should WSU users be authenticated?
Accessing to Current Research @ WSU ETD

- Two options
  - Connect to full text from a WSU Library Website and use UMI/ProQuest search
  - Find a dissertation by searching WSU Library Catalog and go to full text through a record
Option 1. Accessing to ETD through a WSU Library Website

- Go to WSU Library Website: http://library.wichita.edu/
  -- Click on “Electronic Databases”
  -- You will see 2 links to lists of databases “By Subject” and “By Title”
  -- Click on any of 2 and go to Current Research @ dissertation database
Option 1. Accessing to ETD through a WSU Library Website
Option 1. A link brings you to the ETD database search screen.
Option 1. Search Current Research@ WSU database using

- Quick search page by
  - Keyword in title/abstract
  - Author
  - Advisor
Option 1. Search Current Research@ WSU database using

- Detailed search page by fields

- Abstract
- Adviser
- Author
- Degree Date
- Degree Awarded
- Database ID
- Title
- ISBN
- Keyword
- Language
- Publication/Order #
- School
- Subject
- Volume/Issue
Option 2. Accessing to the ETD through WSU Library Catalog

- Go to WSU Catalog Search Screen
  http://libcat.wichita.edu/cgi-bin/Pwebrecon.cgi?DB=local&PAGE=hbSearch
  - Find a cataloging record of a dissertation you need
  - Go to this dissertation full text
Option 2. WSU Library Catalog Search Interface
Option 2. A link from a cataloging record brings you to a dissertation.
We concentrated on the Option 2

- by creating cataloging records for WSU dissertations
- by enhancing these records to increase findability of WSU dissertations
- by linking records to the digitized WSU dissertations
Creating Cataloging Records

- MARC 21 metadata standard
  -- over 30 years of development
  -- hundreds of million bibliographic records worldwide

- Z39.50 protocol
  -- enables search and retrieval of bibliographic information over the Internet

- MARC21 XML
  -- interconnect different metadata standards
We create MARC21 records by deriving bibliographic data from theses.
and code this data for machines

<table>
<thead>
<tr>
<th>Tag</th>
<th>11</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>035</td>
<td></td>
<td></td>
</tr>
<tr>
<td>040</td>
<td></td>
<td></td>
</tr>
<tr>
<td>090</td>
<td></td>
<td></td>
</tr>
<tr>
<td>049</td>
<td></td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>245</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>260</td>
<td></td>
<td></td>
</tr>
<tr>
<td>300</td>
<td></td>
<td></td>
</tr>
<tr>
<td>502</td>
<td></td>
<td></td>
</tr>
<tr>
<td>500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>520</td>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>
We enhanced MARC records by adding author’s abstracts for keyword searches.
We scanned the abstracts

- using
  - HP scanner
  - MS WORD editing for special characters and diacritics to preserve scientific terminology and symbols in original text
We setup proper indexing for keyword searches in Voyager.
Finally, we linked 404 records to 404 digitized dissertations by using

- a 856 MARC21 field for URLs and related data
- proxy-server for off-campus access
- MACRO command for workflow efficiency
856 MARC field: staff and public display

- 856 40 #u
  Click here for available full-text of this dissertation via Current Research@Gateway.

Electronic Resource: Click here for available full-text of this dissertation via Current Research@Gateway.
Linked record in OPAC

Main Author: Alansatan, Sait

Title: Aerodynamic effects of simulated ice shapes on two-dimensional airfoils and a swept finite tail / by Sait Alansatan.

Published: 2001.

Description: XXiv., 270 leaves : ill. ; 29 cm.

Series: Wichita State University Thesis.

Electronic Resource: Click here for available full-text of this dissertation via Current Research@Gateway.

Database: Wichita State University Libraries Catalog

Location: Ablah(A-L on Floor3)(M-QE on Floor2)(QH-Z on LowerLevel)

Call Number: LD2667.T42 A319737

Status: Returned - 03/23/2004

Database: Wichita State University Libraries Catalog

Location: Microforms Area, Ablah Library-1st Floor-Reserve

Call Number: Microfilm 1299

Database: Wichita State University Libraries Catalog

Location: Special Collections & University Archives-Ablah Lower Level

Call Number: Thesis
One click... You got it!!!
If you want, you can click on “Preview” and read first 24 pages.
Full Text Delivery Service

Current Research

Wichita State University

Mobile IP in a MPLS-enabled IP network
by Bhagavathula, Ravi Subramanyam
AAT 3098776

5.73Mb image-only PDF

Download Now

Email: [Enter]

It may take a few minutes to prepare your PDF file for download after you submit this form. If you provide your email address above, a message will be sent to you once your order is ready for download. The message will contain instructions on how to access and download your PDF file via the web. These instructions will also be displayed after you submit this form.

Add To Shopping Cart
Benefits

- The WSU students and scholars have immediate access to online dissertations on campus and off campus at any time and from any places (more than 1,000 usages of the online dissertations since their inception)

- The online dissertations do not take up shelf space in each department where currently additional copies of dissertations are kept
Benefits (cont.)

- ProQuest provide perpetual archiving
- Graduates may be able to save money on binding & printing dissertations
- WSU online dissertations are available to scholars in a larger community through ProQuest’s CurrentResearch program where other libraries can subscribe to the database.
Next steps

- Work with the Graduate School on a pilot project to convert newly published master theses in digital form
- Work with the WSU Technology Committee for funding to convert retrospective master theses into a digital form
- Incorporate online dissertation into an institutional repository program.
Questions?