

ETD MANAGEMENT IN THE TEXAS DIGITAL LIBRARY

Adam Mikeal
Texas Digital Library

ETD 08
Aberdeen, Scotland
June 6, 2008

OVERVIEW

- Texas Digital Library
- ETD Repository Project
- Vireo
- Deployment
- Conclusion

TEXAS DIGITAL LIBRARY



TDL Home

The Texas Digital Library is a multi-university consortium providing the digital infrastructure to support a fully online scholarly community for institutions of higher education in Texas and the widespread availability of their enormous intellectual capital.

The Shibboleth Federation



ONE KEY FOR ALL DOORS

Faculty Services

Scholarly Blogs
Research Wikis
Peer-Reviewed Journals
Repositories

About TDL

Members
Projects
Publications
Labs
Staff

Impact

The presence of the Texas Digital Library will provide many benefits to the state, its schools, and the development of teaching and research. These include:

- ◊ Increased visibility for member institutions and affiliates
- ◊ Encouragement of innovation in education and knowledge sharing
- ◊ Increased accessibility to scholarship and research
- ◊ Greater competitiveness for research funding
- ◊ Preservation of intellectual assets for future generations of researchers, teachers, students, and scholars

TDL NEWS

TDL Update for April 2008

April news includes the release of DSpace 1.5!

TDL Update for February 2008

TDL news for February 2008 -- Manakin, Vireo, and more!

Texas Conference on Digital Libraries

Please join us in Austin June 4-6, 2008

[News Archive »](#)

Texas
Conference
on
Digital
Libraries
June 4 - 6, 2008
The University of Texas at Austin



TEXAS DIGITAL LIBRARY

*A center for excellence for the
creation, curation, and preservation
of digital scholarly information for
the state*

ETDs IN TDL

Now showing items 1-10 of 2275
1 2 3 4 . . . 228

[Next Page](#)

Search Results for Community: Theses and Dissertations

[+] Teaching styles and computer use in family and consumer sciences teacher education programs: a survey of university faculty in Texas
Koukel, Sonja D., Doctor of Philosophy (Texas Tech University, 2005-12-02)



[+] Possible applications of handheld computers to quantity surveying
[electronic resource]
Saldi, Kamel., Ph. D. (The University of Texas at Austin, 2002)



[+] Self-esteem and life satisfaction of aged individuals with and without access to computer training
Brown, Cindy Ann, 1974-, Ph. D. (Texas A&M University, December 2004)



[+] Perceptions of teaching and learning automata theory in a college-level computer science course
Weidmann, Phoebe Kay, 1971-, Ph. D. (The University of Texas at Austin, 2003)



[+] Cultural enhancement of neuroevolution [electronic resource]
McQuesten, Paul Herbert., Ph. D. (The University of Texas at Austin, 2002)



[+] Computing Best Coverage Path In The Presence Of Obstacles In Wireless Sensor Networks
Basu Roy, Senjuti, M.S. (University of Texas at Arlington, April 2007)



[+] Bridging Two Grids: The Sam-grid/lcg Integration Project
Reddy, Tummalapalli Sudhamsh, M.S. (University of Texas at Arlington, April 2006)



[+] Techniques for analyzing distributed computations [electronic resource]
Mittal, Neeraj., Ph. D. (The University of Texas at Austin, 2002)



Efficient model checking for timing diagrams [electronic resource]



[Titles](#)
[Subjects](#)

[This Community](#)

[By Issue Date](#)
[Authors](#)
[Titles](#)
[Subjects](#)

TEXAS ETD REPOSITORY

- Metadata Profile
- Shibboleth
- Preservation Network
- OAI Harvesting in DSpace
- Manakin
- Submittal and Management System

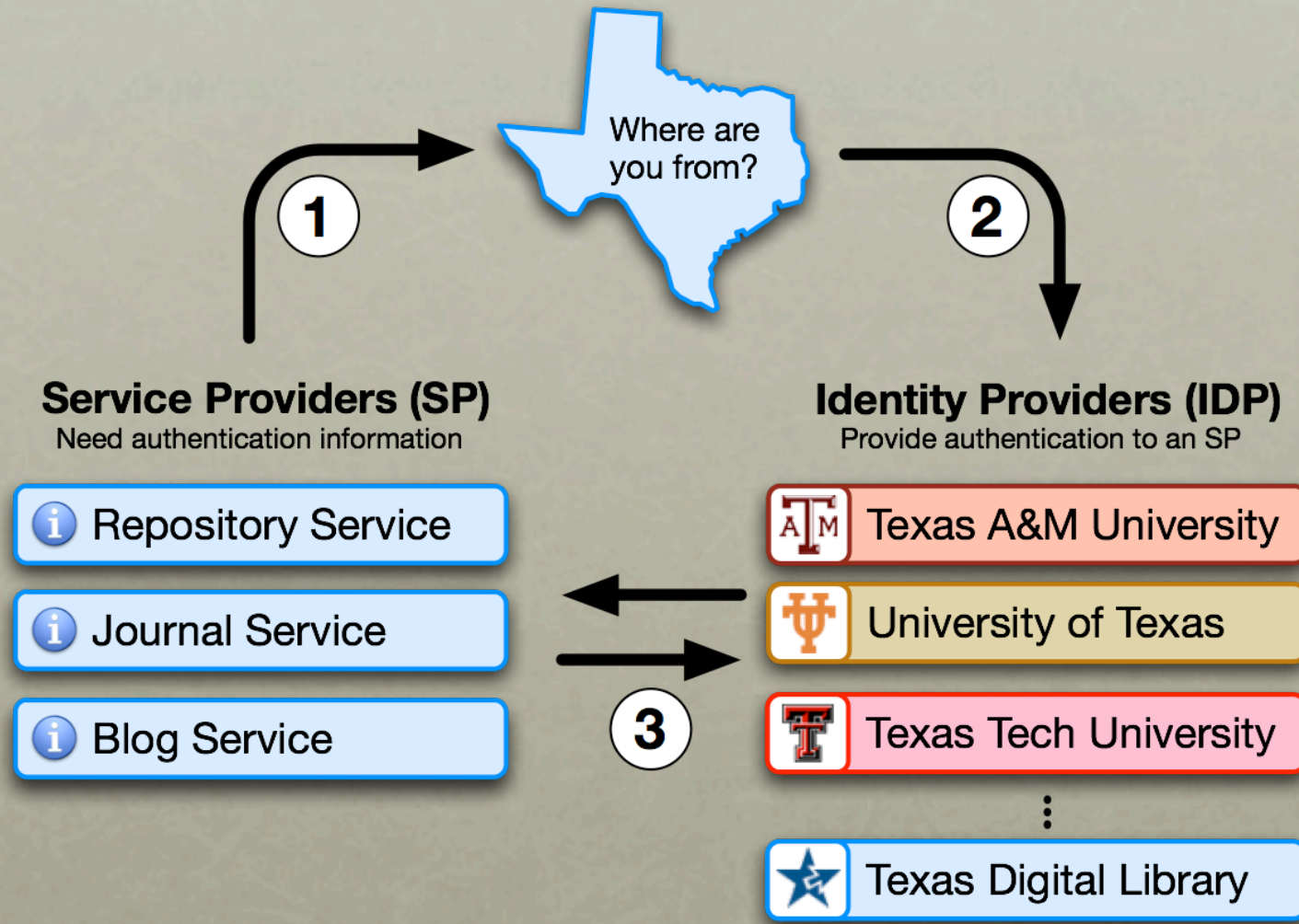
METADATA PROFILE

- MODS Application Profile (XML), 2006, 2008
- Mappings to DC, ETD-MS, MARC XML

```
<mods:nametype="personal">
  <mods:nameParttype="given">Bryan R.</mods:namePart>
  <mods:nameParttype="family">Cole</mods:namePart>
  <mods:role>
    <mods:roleTerm authority="marcrelator" type="text">
      Thesis advisor
    </mods:roleTerm>
  </mods:role>
</mods:name>

<mods:extension>
  <etd:degree>
    <etd:name>Doctor of Philosophy</etd:name>
    <etd:level>Doctoral</etd:level>
    <etd:discipline>Educational Administration</etd:discipline>
  </etd:degree>
</mods:extension>
```


SHIBBOLETH



PRESERVATION NETWORK

- Core component of TDL's mission
- Early stages of development
- State-wide network, geographically distributed
- Format forward-migration

HARVESTING IN DSPACE

- DSpace is already an OAI *provider*
- Adding to DSpace an OAI *harvester*
 - Uses PMH and ORE to deliver metadata and files
- Enables remotely “mounted” collections
 - Administration from a web page
 - Enhance collaboration and backup options

MANAKIN / DSPACE

Manakin introduces a modular interface layer to DSpace

The screenshot shows the Policy Archive website. At the top, there's a navigation bar with the Policy Archive logo, a 'Browse By' dropdown menu, a search bar, and links for 'Login or Register Now!', 'Home', 'About Us', 'Contact', and 'Site Map'. The main content area is divided into several sections: 'Upload Research' with a brief description and a 'Learn More' link; 'Receive Newsletters' with a sign-up form and a 'Subscribe Now!' link; 'A Project of' section featuring logos for CGS and IUPUI; 'Welcome to PolicyArchive' with a description of the digital library and a 'Register Now' link; 'Featured Content' with three featured items: 'The Burke (Dis)Connection', 'Polar Bears on Thin Ice, Not Really! Redux', and 'Increasing Airport Capacity Without Increasing Airport Size'; 'Research Spotlight' with a featured article 'Democracy by Initiative: Shaping California's Fourth Branch of Government (Second Edition)'; 'Latest Additions' with a list of recent uploads; and 'Topic Quick Links' with a grid of links for various topics like Agriculture, Law, Business, etc. The footer contains copyright notices and links to Terms of Use, Privacy Policy, and Report Abuse.

The screenshot shows the Texas A&M Libraries Digital repository interface. At the top, there's a navigation bar with the Texas A&M Libraries Digital logo, a 'Library' dropdown menu, and links for 'Digital Library', 'Repository Home', 'Texas A&M University Libraries', 'Map Library', 'Geologic Atlas of the United States', and 'Login'. The main content area is divided into several sections: 'Search Repository' with a search bar and a 'Go' button; 'All of the Repository' with a list of communities and collections; 'This Collection' with a list of items; 'My Account' with a link to 'My Account'; and a large map of the United States showing the locations of the Geologic Atlas of the United States folios. The map is labeled with folio numbers and includes a scale bar and a 'View complete folio' link. The footer contains links for 'Giving to the Libraries', 'Texas A&M University', 'Employment Opportunities', and 'Contact Us'.

SUBMITTAL AND MANAGEMENT

- Interacts with each component of the ETD Repository
 - Based on TDL MODS profile
 - Uses Shibboleth for authentication
 - Relies on the preservation network
 - Built on Manakin/DSpace
- Creates a complete ETD solution in DSpace:
 - Ingestion
 - Approval
 - Publication

VIREO

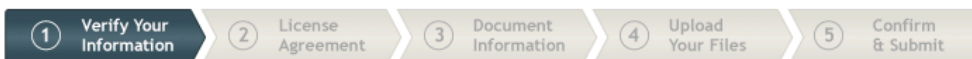
- Student interface
- Staff interface

TWO APPLICATIONS

- 2 very different workflows = 2 unique interfaces
- **Student** submittal interface
 - *Novice* interface
 - Focus on ease-of-use
- **Staff** management interface
 - *Expert* interface
 - Focus on efficiency

STUDENT INTERFACE

- “Wizard” interface paradigm
- Embedded documentation
- One-time-use: intuitive controls
- Neutral language
- Follow standard conventions





Verify Your Information

Please verify all of your personal information. Some of the information has been provided by your school; if this information is in error, you will need to correct it through the appropriate office at your school.

Required fields are indicated with a red asterisk.


Personal Information

* **First Name:** 
Middle Initial:
 * **Last Name:** 
Suffix:
 * **Email:**

Your name should appear as it does on your title page. You can use Unicode characters, if your computer supports them.

Select the degree and major that are listed on your title page.

Affiliation

* **School:** 
 * **Degree:**
 * **Discipline:**

You must enter a permanent, long-term address. If your present address is different, use the Current Address field.

Phone & Address

* **Permanent Phone:**
 * **Permanent Address:**
Current Phone:
Current Address:

STAFF INTERFACE

- Complex, expert interface
- Small, controlled set of users
- “Job queue” interface paradigm
- Highly customizable (per school, per user)
- System expertise resides in people

[List](#)[View](#)[Log](#)[Settings](#)

ETDs currently in the system

Now filtering by:

Status

✖ Active

Filter further by:

Search Box

Assigned To

Unassigned
Alyssa Stephens
Amy Motquin
Jeremy Tarpley
Diane Holt
Carole Johnson
more...

Graduation Semester

August 2008
December 2007
May 2007
May 2008

Embargo Type

None
Journal Hold
Patent Hold
Other Embargo Period

UMI Release

YES
NO

Student name	Status	Assigned to	Document title	Submission date
Creel, James S.	Approved	Diane Holt	Intention Is Commitment with Expectation	18 Jan 2008
Pampell, Stephen M.	Needs Correction	Amy Motquin	I like titles	18 Jan 2008
Greenly, Cody B.	Under Review	Unassigned	Underwater left-handed basket weaving	18 Jan 2008
Tarpley, Jeremy	Submitted	Diane Holt	DETERMINING THE VALIDITY AND RELIABILITY OF THE CULTURAL AWARENESS AND BEL...	18 Jan 2008
Maslov, Alexey	Pending Publication	Unassigned	On the breeding habits of porcupines	18 Jan 2008
Messinger, Christina	Submitted	Unassigned	how stuff works	18 Jan 2008
Mikeal, Adam	Needs Correction	Laura Hammons	Fear and Trembling: A Fresh Look	18 Jan 2008
Tarpley, Jeremy	Submitted	Diane Holt	How to dig holes of various sizes.	18 Jan 2008
Liles, Benjamin F., IV	Needs Correction	Amy Motquin	Implementing Persistent Identifiers	18 Jan 2008
Ponsford, Bennett	Submitted	Unassigned	A PROCESS FOR CREATING CELTIC KNOT WORK	22 Jan 2008
Ponsford, Bennett	Submitted	Unassigned	Beatrix and Autti of Huntingdon and Their Daughter Theodora: Parent/Child ...	22 Jan 2008
Hammons, Laura	Under Review	Amy Motquin	My Dissertation	30 Jan 2008
Mikeal, Adam	Submitted	Unassigned	How We May Think	01 Feb 2008
Tarpley, Jeremy	Submitted	Unassigned	Depressed Candidate Runs Attack Ad About Self	05 Feb 2008
Hammons, Laura	Waiting On Requirements	Unassigned	Test Title2	12 Feb 2008
Hammons, Laura	Submitted	Unassigned	Ag History	12 Feb 2008
Mikeala, Adam	Waiting On Requirements	Diane Holt	My cool thesis title	13 Feb 2008
Mikeal, Adam	Submitted	Laura Hammons	asdc	28 Feb 2008
Mikeal, Adam	Submitted	Unassigned	kjhqg	29 Feb 2008
Peschel, Joshua M.	Submitted	Unassigned	TRADE, PIRACY, AND NAVAL WARFARE IN THE CENTRAL MEDITERRANEAN: THE MARITIM...	29 Feb 2008
Krueger, Cara B.	Submitted	Unassigned	Cara's Dissertation	29 Feb 2008
Catanach, Therese A.	Submitted	Unassigned	t	29 Feb 2008
Adair, Irene N.	Submitted	Unassigned	Interactive Storytelling Engines	29 Feb 2008
Wyckoff, Robert T., II	Submitted	Unassigned	Laying Claim to the Domestic	29 Feb 2008
Ji, Yue	Submitted	Unassigned	aaaa	29 Feb 2008
Karadkar, Unmilsdfg P.	Needs Correction	Diane Holt	MIDAS	29 Feb 2008
Pang, Chengzong	Submitted	Unassigned	PhD Disseration	29 Feb 2008
Sosa, Gabriela	Submitted	Unassigned	Trade, Piracy, and Naval Warfare in the Central Mediterranean	29 Feb 2008

DEPLOYMENT

- Accessibility & Usability
- Live-data Demonstrator
- Scalability & Performance

CONCLUSION

- Lessons learned
- Moving forward
- Open source release



INSTITUTE *of*
Museum and **Library**
SERVICES

National Leadership Grant # LG-05-07-0095-07