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
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.

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
A center for excellence for the creation, curation, and preservation of digital scholarly information for the state
Search Results for Community: Theses and Dissertations


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


• Metadata Profile
• Shibboleth
• Preservation Network
• OAI Harvesting in DSpace
• Manakin
• Submittal and Management System
• MODS Application Profile (XML), 2006, 2008
• Mappings to DC, ETD-MS, MARC XML

```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

1. Service Providers (SP) - Need authentication information
   - Repository Service
   - Journal Service
   - Blog Service

2. Identity Providers (IDP) - Provide authentication to an SP
   - Texas A&M University
   - University of Texas
   - Texas Tech University
   - Texas Digital Library

Where are you from?
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 introduces a modular interface layer to DSpace
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
VIRES

- 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: Jeremy
* Last Name: Tarpley
* Email: jeremytarpley@tamu.edu

Affiliation

* School: Texas A&M University

Phone & Address

* Permanent Phone:
* Permanent Address:
Current Phone: +1 979 738 1978
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
# ETDs currently in the system

<table>
<thead>
<tr>
<th>Student name</th>
<th>Status</th>
<th>Assigned to</th>
<th>Document title</th>
<th>Submission date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Creel, James S.</td>
<td>Approved</td>
<td>Diane Holt</td>
<td>Intention Is Commitment with Expectation</td>
<td>18 Jan 2008</td>
</tr>
<tr>
<td>Farnell, Stephen M.</td>
<td>Needs Correction</td>
<td>Amy Moquin</td>
<td>I like titles</td>
<td>18 Jan 2008</td>
</tr>
<tr>
<td>Maslov, Alexey</td>
<td>Pending Publication</td>
<td>Unassigned</td>
<td>On the breeding habits of porcupines</td>
<td>18 Jan 2008</td>
</tr>
<tr>
<td>Messinger, Christine</td>
<td>Submitted</td>
<td>Unassigned</td>
<td>how stuff works</td>
<td>18 Jan 2008</td>
</tr>
<tr>
<td>Mikeal, Adam</td>
<td>Needs Correction</td>
<td>Laura Hammond</td>
<td>Fear and Trembling: A Fresh Look</td>
<td>18 Jan 2008</td>
</tr>
<tr>
<td>Tarpley, Jeremy</td>
<td>Submitted</td>
<td>Diane Holt</td>
<td>How to dig holes of various sizes.</td>
<td>18 Jan 2008</td>
</tr>
<tr>
<td>Liles, Benjamin F., IV</td>
<td>Needs Correction</td>
<td>Amy Moquin</td>
<td>Implementing Persistent Identifiers</td>
<td>18 Jan 2008</td>
</tr>
<tr>
<td>Ponsford, Bennett</td>
<td>Submitted</td>
<td>Unassigned</td>
<td>A PROCESS FOR CREATING CELTIC KNOT WORK</td>
<td>22 Jan 2008</td>
</tr>
<tr>
<td>Ponsford, Bennett</td>
<td>Submitted</td>
<td>Unassigned</td>
<td>Beatrix and Autti of Huntsford and Their Daughter Theodora. Parent/Child ...</td>
<td>22 Jan 2008</td>
</tr>
<tr>
<td>Hammans, Laura</td>
<td>Under Review</td>
<td>Amy Moquin</td>
<td>My Dissertation</td>
<td>30 Jan 2008</td>
</tr>
<tr>
<td>Mikeal, Adam</td>
<td>Submitted</td>
<td>Unassigned</td>
<td>How We May Think</td>
<td>01 Feb 2008</td>
</tr>
<tr>
<td>Tarpley, Jeremy</td>
<td>Submitted</td>
<td>Unassigned</td>
<td>Depressed Candidate Runs Attack Ad About Self</td>
<td>05 Feb 2008</td>
</tr>
<tr>
<td>Hammans, Laura</td>
<td>Waiting On Requirements</td>
<td>Unassigned</td>
<td>Test Title2</td>
<td>12 Feb 2008</td>
</tr>
<tr>
<td>Mikeal, Adam</td>
<td>Submitted</td>
<td>Diane Holt</td>
<td>My cool thesis title</td>
<td>12 Feb 2008</td>
</tr>
<tr>
<td>Mikeal, Adam</td>
<td>Waiting On Requirements</td>
<td>Unassigned</td>
<td>My cool thesis title</td>
<td>12 Feb 2008</td>
</tr>
<tr>
<td>Mikeal, Adam</td>
<td>Submitted</td>
<td>Laura Hammans</td>
<td>asdc</td>
<td>28 Feb 2008</td>
</tr>
<tr>
<td>Mikeal, Adam</td>
<td>Submitted</td>
<td>Unassigned</td>
<td>kgkghg</td>
<td>28 Feb 2008</td>
</tr>
<tr>
<td>Peschel, Joshua M.</td>
<td>Submitted</td>
<td>Unassigned</td>
<td>TRADE, PRACY, AND NAVAL WARFARE IN THE CENTRAL MEDITERRANEAN: THE MARITIM...</td>
<td>29 Feb 2008</td>
</tr>
<tr>
<td>Krueger, Cara B.</td>
<td>Submitted</td>
<td>Unassigned</td>
<td>Cara's Dissertation</td>
<td>29 Feb 2008</td>
</tr>
<tr>
<td>Catanch, Therese A.</td>
<td>Submitted</td>
<td>Unassigned</td>
<td>t</td>
<td>29 Feb 2008</td>
</tr>
<tr>
<td>Adair, Irene N.</td>
<td>Submitted</td>
<td>Unassigned</td>
<td>Interactive Storytelling Engines</td>
<td>29 Feb 2008</td>
</tr>
<tr>
<td>Wyckoff, Robert T., II</td>
<td>Submitted</td>
<td>Unassigned</td>
<td>Laying Claim to the Domestic</td>
<td>29 Feb 2008</td>
</tr>
<tr>
<td>Ji, Yue</td>
<td>Submitted</td>
<td>Unassigned</td>
<td>aaaa</td>
<td>29 Feb 2008</td>
</tr>
<tr>
<td>Karadkar, Unmilsaf P.</td>
<td>Needs Correction</td>
<td>Diane Holt</td>
<td>MIDAS</td>
<td>29 Feb 2008</td>
</tr>
<tr>
<td>Pang, Chongzong</td>
<td>Submitted</td>
<td>Unassigned</td>
<td>PhD Dissertation</td>
<td>29 Feb 2008</td>
</tr>
<tr>
<td>Feng, Fabiola</td>
<td>Submitted</td>
<td>Unassigned</td>
<td>Trade, Prize, and Naval Warfare in the Central Mediterranean</td>
<td>29 Feb 2008</td>
</tr>
</tbody>
</table>

---

**Filter further by:**

- **Status:** Active
- **Assigned To:** Unassigned, Ayssa Stephens, Amy Moquin, Jeremy Tarpley, Diane Holt, Carol Johnson, more...
- **Embargo Type:** None, Journal Hold, Patent Hold, Other Embargo Period
- **UMI Release:** YES, NO
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