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
A center for excellence for the creation, curation, and preservation of digital scholarly information for the state
ETDs IN TDL

Search Results for Community: Theses and Dissertations

1. 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)

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


9. Efficient model checking for linearly bounded Petri nets...
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

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<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>
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<mods:extension>
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    <etd:level>Doctoral</etd:level>
    <etd:discipline> Educational Administration </etd:discipline>
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```
SHIBBOLETH

1. Where are you from?

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

Affiliation

* School: Texas A&M University
* Degree: [Dropdown]
* Discipline: [Dropdown]

Phone & Address

* Permanent Phone: [Dropdown]
* Permanent Address: [Dropdown]
Current Phone: +1 375 739 1578
Current Address: [Dropdown]
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

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<th>Status</th>
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DEPLOYMENT

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

- Lessons learned
- Moving forward
- Open source release
INSTITUTE of Museum and Library SERVICES

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