ETD-db: Today, Tomorrow, and the Future CaR

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Acknowledgments: Sung Hee Park, Paul Mather
About ETD-db from VT/NDTLD

- Today
  - HTML pages, Perl scripts interact with MySQL database

- Tomorrow
  - Ruby on Rails open source Web applications

- Future option
  - VT IT CaR (Collaboratory and Repository)
ETD-db: Student Authors

- Login with university PID, password
- Metadata
  - Derived from university records (e.g., Banner and Plan of Study) (new)
  - Entered by authors (e.g., copyright, keywords)
- Set access level for the ETD
  - Worldwide (open) access (all eventually)
  - Restricted access (host university community-only temporarily)
  - Embargoed access (inaccessible to everybody temporarily)
- Faculty: online approval (new)
ETD-db: Graduate School

- Processes submitted ETDs
  - stored on ETD-db server
- Graduate School personnel login
  - Access list of submitted ETDs
  - Email with authors as needed (tracked)
  - Approve ETDs
ETD-db: Graduate School

- Approving an ETD automatically generates
  - Emails
    - Notifications to author and committee w/URL
    - Notification to UMI/ProQuest, includes author, title, institution, URL
  - List of ETDs for Library Cataloging
  - Access
    - Author selected 1 of 3 levels: public, university-only, no one
    - Automatically available to the public after temporary period of restricted access expires (new)
Title page for ETD etd-12292005-222243

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**Abstract**

Tactile and visual sound: Experiencing the aural through the use of material and form to direct, create and control sound.

**Files**

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ETD-db software is free to NDLTD
http://scholar.lib.vt.edu/ETD-db

Today
  – ETD database: workflow, processing
  – ETD server: provides access
    • Cataloging
    • Backups
    • Preservation

Tomorrow: New and improved ETD-db
Current Efforts for ETD-db Redesign

- Collect requirements
  - Reviewing current ETD workflows
  - Interviewing Users (e.g., reviewers, administrators)

- Investigating candidates
  - Rewriting a pilot system in Ruby on Rails
    - Using Agile Web Development Technology
  - DSpace
    - Commonly used institutional repository
  - CONTENTdm
    - Supported by OCLC (Online Computer Library Center)
  - D-Net
    - Important outcome from the DRIVER (Digital Repository Infrastructure Vision for European Research) project
Future CaR: Collaboratory & Repository

- Develop an ETD within this system
  - Author controls access
  - Standards are more easily enforced
  - Processing functions continue
  - More reusable data

- Updates: http://scholar.lib.vt.edu/theses

- Email: ETD-db@scholar.lib.vt.edu