

Energy Systems Laboratory: Building a Model Repository Collection

About the ESL

- Founded in 1939
 - Fan Test Laboratory
 - Mechanical Engineering
- Currently consists of:
 - Eight Faculty (5 ME, 3 Arch.)
 - 120 Staff
 - Undergraduate and Graduate Students

ESL Research

- Energy Efficiency
- Emissions Reduction
- Texas Senate Bill 5
- \$4.5 million spent on research each year

ESL Conferences

- ICEBO (International)
- IETC (International)
- Hot & Humid (National)
- Clean Air (State)

ESL Library

- File Cabinet
- In-house numbering system
- Available upon request
- Consisted of:
 - Technical Reports
 - Published Articles
 - Theses and Dissertations

Moving Online

- Problems
 - Findability
 - Copying/Mailing Costs
- Decision to move online in Fall 2004
- Planned for in-house system
- Discovered library's effort to build institutional repository

Cost/Effort Analysis

In-house

- \$1.78/pg
- 2000 man-hours
- 1 year to launch

Repository

- 57¢/pg
- 100 man-hours
- 2 months to launch

Building the Online Collection

- Technical Reports
 - Outsourced Scanning
- Theses and Dissertations
 - Historical
 - Mapping from ETDs
- Published Articles
 - Author Permission
 - Copyright
- Conference Proceedings
 - Batch Loading

Processes

- Documentation
 - Document Attributes
 - Permission Forms
 - Tracking Forms
- Student Workers
 - Scanning
 - Metadata
 - Upload to Repository
 - Train replacements
- Batch Loading
 - File structure created
 - Passed to Digital Initiatives

The Model Collection

- Well Organized
- Self-Sufficient
- Diverse
- Large
- Rapidly Growing

Video Interview with
Jeff Haberl, PhD



Digital Initiatives

Research & Technology