DRUM:
Digital Preservation

Terry M. Owen

DRUM Coordinator

28 April 2010

DRUM

What is an Institutional Repository?

SPARC definition:

"A digital collection capturing and preserving the intellectual output of a single or multi-university community."

Crow, Raym. "The Case for Institutional Repositories: A SPARC Position Paper."
ARL Bimonthly Report 223 (August 2002).

DRUM

Attributes of a Repository

- Institution-based
- Open access
- Managed by libraries
- Variety of content

DRUM Background

- Initial proposal to Provost from ULC May 2003

- Mission: store, index, distribute, and preserve the research works of UM faculty

- Launched in August 2004
  - 1,100 documents
  - 9,600+ documents as of April 2010

- Developed using DSpace
  - open source
  - active user community
  - out-of-the-box implementation

DuraSpace

- Merger of DSpace Foundation and Fedora Commons in 2009

- Continue to support and grow DSpace and Fedora

- New offering: DuraCloud
  - Hosted service based on cloud computing
  - Add features to support access, preservation, re-use, and sharing of content
  - Scheduled release for fall 2010

DRUM

DRUM
Digital Repository at the University of Maryland

Search DRUM:

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Welcome to the repository for University of Maryland research.

Any UM Faculty member can make digital works permanently accessible and available across the Internet with DRUM. Find out more about depositing your work.

Learn more:

- About DRUM
- About Institutional Repositories

The following communities of digital works are available:

Collections Organized by Department

A. James Clark School of Engineering

College of Agriculture & Natural Resources

College of Arts & Humanities

College of Behavioral & Social Sciences

College of Chemical & Life Sciences

College of Computer, Mathematical & Physical Sciences

College of Education

College of Information Studies

Philip Merrill College of Journalism

Robert H. Smith School of Business

School of Architecture, Planning, & Preservation

School of Public Health

School of Public Policy

University Libraries (faculty)

NIH Public Access Policy

In early January 2008, the National Institutes of Health (NIH) announced a revision to its Public Access Policy that ensures that published results of NIH-funded research are publicly available.

Effective April 7, 2008, all peer-reviewed articles arising from NIH funds are required to be submitted to PubMed Central within 12 months of publication. Please visit the NIH Public Access site for further information.

Thesis/Dissertation Deposit Timeline

New submissions to the thesis/dissertation collections are added automatically as they are received from the Graduate School. Currently, the Graduate School deposits all theses and dissertations from a given semester after the official graduation date. This means that there may be up to a 4 month delay in the appearance of a given thesis/dissertation in DRUM.

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College of Arts & Humanities

Community home page

In: [College of Arts & Humanities ▾]

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or **browse**

[Title] [Author] [Issue Date]

The collections in this community comprise faculty research works, as well as graduate theses and dissertations. Any faculty member can deposit works. Find out more about depositing works and the submission policy for these collections.

Sub-communities within this community

- American Studies

- Art

- Art History & Archaeology

- Classics

- Communication

- Dance

- English

- History

Recent Submissions

CHRISTIAN COMMUNITY-BASED PERFORMANCE PRACTICES IN CONTEMPORARY NORTH AMERICA

Words to the Wives: The Jewish Press, Immigrant Women, and Identity Construction, 1924-1925

Where Colors Blend Into Sounds

The Theme Of Nature In Victor Hugo's Contemplations

Revolt and it expressions in the works of Williams Sassine

- **College of Arts & Humanities**
  - **American Studies**
    - American Studies Research Works
    - American Studies Theses and Dissertations

  - **Art**
    - Art Research Works
    - Art Theses and Dissertations

  - **Art History & Archaeology**
    - Art History & Archaeology Research Works
    - Art History & Archaeology Theses and Dissertations

  - **Classics**
    - Classics Research Works
    - Classics Theses and Dissertations

  - **Communication**
    - Communication Research Works
    - Communication Theses and Dissertations

  - **Dance**
    - Dance Research Works
    - Dance Theses and Dissertations

  - **English**
    - English Research Works
    - English Theses and Dissertations

  - **History**
    - History Research Works
    - History Theses and Dissertations

  - **Jewish Studies**
    - Jewish Studies Research Works
    - Jewish Studies Theses and Dissertations

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DRUM Content

5448	Theses & Dissertations (ETDs)
4201	Faculty/Student Contributions
9649	**TOTAL**

DRUM

ETDs – Electronic Theses and Dissertations

- Mandatory since September 2003
- Submitted via the Web in PDF form
- Automatically deposited in DRUM
- Also available via ProQuest's *Digital Dissertations*

ETD Embargo Options

- Restrict access for one year
  - Patent protection
  - Publish journal article
- Restrict access for six years
  - Publish book
- Restrict access indefinitely
  - Requires written approval by the Dean of the Graduate School

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DRUM Deposit Policies

- Depositor must be a UM faculty member
- Depositor must have the ability to assign needed rights to UM
- Deposits must be substantive works of scholarship
- Deposits must be complete and able to stand alone as a work or collection (no notes, etc.)
- No restrictions on file formats

DRUM
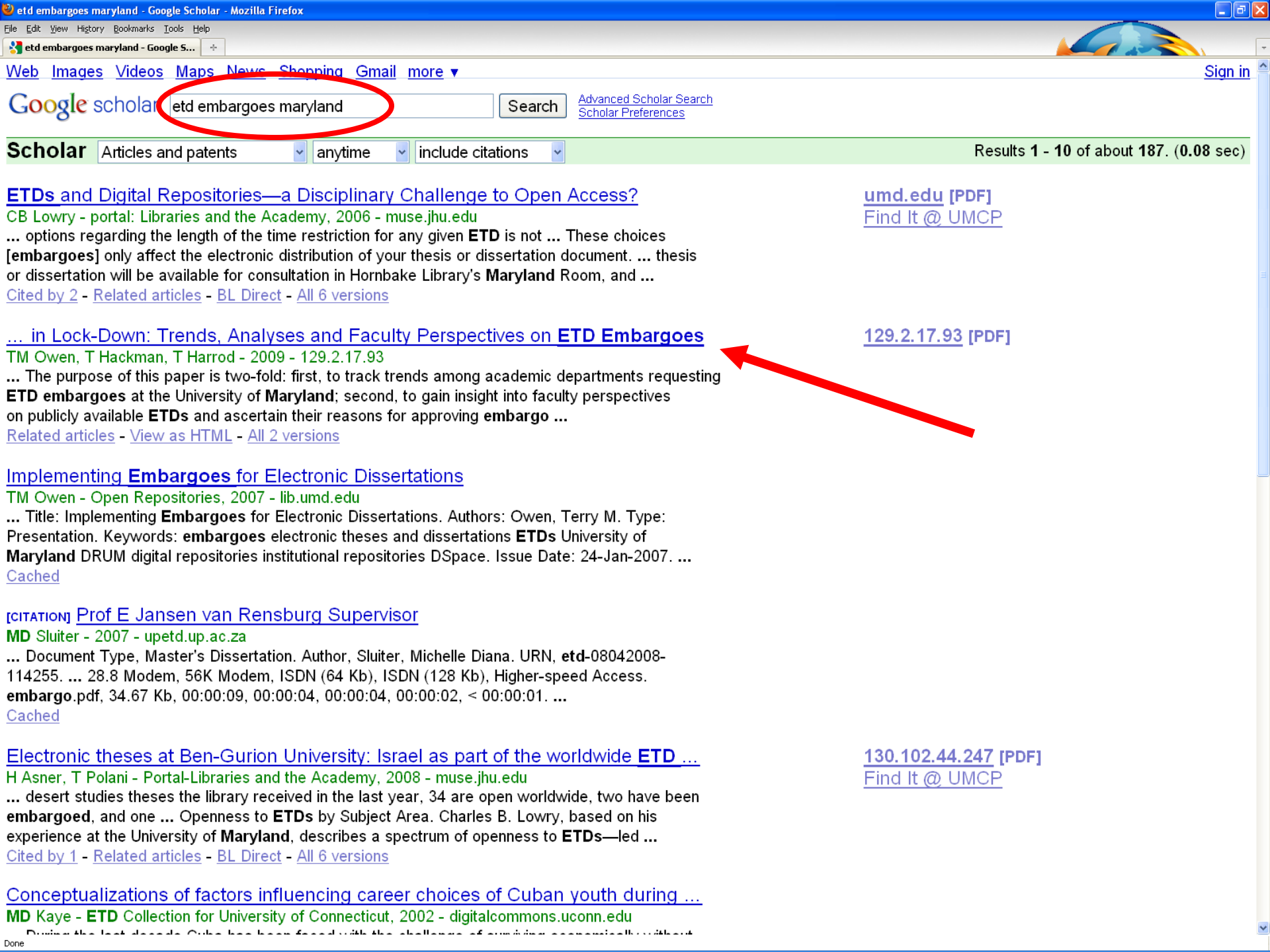
DSpace Preservation Tools

- Format registry
- Checksum generator
- Handles
- Logs

How Does DRUM Work?

- UM faculty members deposit their work in DRUM

- Paper is uploaded and bibliographic record is created

- Full text of the submitted work is indexed via Google and other search engines

DRUM

Web   Images   Videos   Maps   News   Shopping   Gmail   more ▾

Google scholar   etd embargoes maryland   Search   Advanced Scholar Search
                                                               Scholar Preferences

Scholar   [Articles and patents ▾]   [anytime ▾]   [include citations ▾]   Results **1 - 10** of about **187**. (0.08 sec)

ETDs and Digital Repositories—a Disciplinary Challenge to Open Access?
CB Lowry - portal: Libraries and the Academy, 2006 - muse.jhu.edu

... options regarding the length of the time restriction for any given **ETD** is not ... These choices [**embargoes**] only affect the electronic distribution of your thesis or dissertation document. ... thesis or dissertation will be available for consultation in Hornbake Library's **Maryland** Room, and ...

Cited by 2 - Related articles - BL Direct - All 6 versions

umd.edu [PDF]
Find It @ UMCP

... in Lock-Down: Trends, Analyses and Faculty Perspectives on **ETD Embargoes**
TM Owen, T Hackman, T Harrod - 2009 - 129.2.17.93

... The purpose of this paper is two-fold: first, to track trends among academic departments requesting **ETD embargoes** at the University of **Maryland**; second, to gain insight into faculty perspectives on publicly available **ETDs** and ascertain their reasons for approving **embargo** ...

Related articles - View as HTML - All 2 versions

129.2.17.93 [PDF]

Implementing **Embargoes** for Electronic Dissertations
TM Owen - Open Repositories, 2007 - lib.umd.edu

... Title: Implementing **Embargoes** for Electronic Dissertations. Authors: Owen, Terry M. Type: Presentation. Keywords: **embargoes** electronic theses and dissertations **ETDs** University of **Maryland** DRUM digital repositories institutional repositories DSpace. Issue Date: 24-Jan-2007. ...

Cached

[CITATION] Prof E Jansen van Rensburg Supervisor
MD Sluiter - 2007 - upetd.up.ac.za

... Document Type, Master's Dissertation. Author, Sluiter, Michelle Diana. URN, **etd**-08042008-114255. ... 28.8 Modem, 56K Modem, ISDN (64 Kb), ISDN (128 Kb), Higher-speed Access. **embargo**.pdf, 34.67 Kb, 00:00:09, 00:00:04, 00:00:04, 00:00:02, < 00:00:01. ...

Cached

Electronic theses at Ben-Gurion University: Israel as part of the worldwide **ETD** ...
H Asner, T Polani - Portal-Libraries and the Academy, 2008 - muse.jhu.edu

... desert studies theses the library received in the last year, 34 are open worldwide, two have been **embargoed**, and one ... Openness to **ETDs** by Subject Area. Charles B. Lowry, based on his experience at the University of **Maryland**, describes a spectrum of openness to **ETDs**—led ...

Cited by 1 - Related articles - BL Direct - All 6 versions

130.102.44.247 [PDF]
Find It @ UMCP

Conceptualizations of factors influencing career choices of Cuban youth during ...
MD Kaye - **ETD** Collection for University of Connecticut, 2002 - digitalcommons.uconn.edu

... During the last decade Cuba has been faced with the challenge of surviving economically without

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Title:	ETDs in Lock-Down: Trends, Analyses and Faculty Perspectives on ETD Embargoes
Authors:	Owen, Terry M.
	Hackman, Timothy
	Harrod, Thomas
Type:	Presentation
Keywords:	ETDs
	electronic theses and dissertations
	embargoes
	open access
	University of Maryland
Issue Date:	10-Jun-2009

Abstract: Since September 2006, graduate students at the University of Maryland have had the option of restricting access to their ETD in the university's digital repository (DRUM) for either a one- or six-year period. Embargo requests must be approved by the student's faculty advisor and submitted to the Graduate School prior to uploading the ETD. Since the beginning of the program, an average of 32% of the ETDs that have been submitted each semester have been embargoed. While Engineering has the largest number of embargoes (150), Chemical and Life Sciences has the greatest percentage (54%), followed closely by Agriculture and Natural Resources (51%) and Business (47%). The College of Arts and Humanities, specifically the English Department, has the largest number of six-year embargoes (75). Faculty advisors who had approved at least one embargo request since 2006 were surveyed to gain insight into their perspectives on publicly available ETDs and ascertain their reasons for approving embargo requests. In general, faculty advisors indicated that they approve ETDs without attempting to change the students' choice of embargo period, indicating that the student plays a major role in deciding whether or not to embargo their ETD. In addition, faculty stated that the primary reason for approving embargoes was to protect opportunities for future publication. While the percentage of embargoes has remained relatively constant each semester, our goal is to decrease the number of embargoes by educating faculty and students on the benefits of making their research widely available. We are working with the Graduate School and library faculty to develop a scholarly communications program that not only educates faculty and graduate students about the consequences of embargoes, but also makes them more aware of open access issues in general.

Description:	Paper presented at the 12th International Symposium on Electronic Theses and Dissertations, 10-13 June 2009, Pittsburgh, Pennsylvania. Also available at http://conferences.library.pitt.edu/ocs/viewabstract.php?id=679&cf=7.
URI:	http://hdl.handle.net/1903/9087
Appears in Collections:	Library Faculty Research Works

Files in This Item:

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ETD2009PowerPoint.pdf	PowerPoint Presentation	493.2 kB	Adobe PDF	71	View/Open
OwenHackmanHarrodETD2009.pdf	Paper	85.69 kB	Adobe PDF	90	View/Open

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ETDs in Lock-Down: Trends, Analyses and Faculty Perspectives on ETD Embargoes

Terry M. Owen, Timothy Hackman and Thomas Harrod

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Faculty Outreach

- Participate in New Faculty Orientation
- Letter and email campaign to UM faculty maintaining links to papers from personal web pages
- Research centers and institutes
- Work extensively with librarian liaisons

Barriers to Depositing in DRUM

- Redundancy
- No time
- Copyright confusion
- Fear of plagiarism
- Work associated with inconsistent quality
- Publishers might not accept articles for publication if freely available

DRUM

Why Deposit in DRUM?

1) Research can be found, read, and used by a global audience

2) Greatly increases the chances of the research being cited

3) Access is maintained with a permanent URL

4) Able to link to the permanent URL from any web page; no need to maintain files or changing URLs on personal web sites

5) Easy to deposit works along with associated content

6) Allows any researcher to locate documents of interest quickly and easily from any computer at any location

Preservation

- Libraries has no *formal* policies/procedures in place for digital collections
- DRUM is backed up regularly
- Some formats have been migrated
  - Majority of files are PDF
  - PostScript → PDF
- Issues with audio files from School of Music
  - Low quality .mp3 or .cda files
  - Prefer .wav files
- New Preservation Librarian

DRUM

Electronic Theses & Dissertations

- Maintain non-circulating print copy in Maryland Room of Hornbake Library
- ETD Preservation Archive
  - MetaArchive & NDLTD (Networked Digital Library of Theses and Dissertations)
  - Pilot program Jun 2008-May 2010 to examine collaborative preservation efforts
  - Document best practices for ETD preservation readiness
  - Establish and populate an ETD Archive

DRUM

Questions?

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